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THE WORLD OF LEARNING

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FOURTEENTH EDITION

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FOREWORD

THIS edition of THE WORLD OF LEARNING contains the latest available information on cultural, scientific and higher educational institutes throughout the world.

It is interesting to record that since we published the ninth edition of THE WORLD OF LEARNING in 1958, twenty-one newly independent African countries have found their way into our pages, as well as twelve new universities and sixteen new university colleges in the African continent. It will also be found that five new universities have been listed under Great Britain this year for the first time, so it quickly becomes apparent that rapid development is taking place not only in the newly emerging countries, but also in the older-established ones.

Once again we should like to thank our many thousands of contributors, without whose help the present edition could not have been produced. May we hope that this volume will help them and many others to find their way about the complexities of "the world of learning" with much greater assurance than would otherwise have been possible.

December 1963.

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ABBREVIATIONS

A.A. .. Associate in Arts
A.B. .. Bachelor of Arts
A.C.A. .. Associate of the Institute of Chartered Accountants
Acad. .. Academy
A.C.C.S. .. Associate of the Corporation of Secretaries
A.C.I.I. .. Associate of the Chartered Insurance Institute
A.C.I.S. .. Associate of the Chartered Institute of Secretaries.
A.C.T. .. Australian Capital Territory
A.D.C. .. Aide-de-camp
Admin. .. Administrative, Administration
Agr. de D. .. Agrégé de Droit
Agr. des L. Agrégé des Lettres
Agr. de M. .. Agrégé de Médecine
Agr. de Sc. .. Agrégé de Science
A.I.A. .. Associate of Institute of Actuaries; American Institute of Architects
A.I.A.L. .. Associate Member of the International Institute of Arts and Letters.
A.I.B. .. Associate of the Institute of Bankers
A.I.C.E. .. Associate of the Institution of Civil Engineers
A.I.C.E.A. .. Associate of Industrial and Commercial Executive Accountants
A.I.Ch.E. .. American Institute of Chemical Engineers
A.I.F. .. Australian Imperial Forces
A.I.I.S. .. Associate of the Irish Institute of Secretaries
A.I.L. .. Associate of the Institute of Linguists
A.I.M. .. Associate of the Institution of Metallurgists
A.I.Mech.E. Associate of the Institution of Mechanical Engineers
A.I.M.T.A. .. Associate of the Institute of Municipal Treasurers and Accountants
A.Inst.C.E. Associate of the Institution of Civil Engineers
A.I.R.I. .. Associate of the Institution of the Rubber Industry
A.K.C. .. Associate of King's College (London)
A.L.A. .. Associate of the Library Association
Ala. .. Alabama
A.L.S. .. Associate of the Linnæan Society
A.M. .. Master of Arts
A.M.A. .. Associate of the Museums Association
A.M.I.C.E. .. Associate Member of the Institution of Civil Engineers
A.M.I.Chem.E. Associate Member of the Institution of Chemical Engineers
A.M.I.E.E. Associate Member of the Institution of Electrical Engineers
A.M.I.Mech.E. Associate Member of the Institution of Mechanical Engineers
A.M.I.Struct.E. Associate Member of the Institution of Structural Engineers
A.P.I. .. Associate of the Plastics Institute
Apptd. .. Appointed
A.R.A. .. Associate of the Royal Academy
A.R.A.M. .. Associate of the Royal Academy of Music
A.R.C.A. .. Associate of the Royal College of Art
A.R.C.M. .. Associate of the Royal College of Music
A.R.C.O. .. Associate of the Royal College of Organists
A.R.C.S. .. Associate of the Royal College of Science
A.R.E. .. Associate of the Royal Society of Painter Etchers
A.R.I B.A. Associate of the Royal Institute of British Architects
A.R.I.C. .. Associate of the Royal Institute of Chemistry
A.R.I.C.S. .. Associate of the Royal Institution of Chartered Surveyors
Ariz. .. Arizona
Ark. .. Arkansas
A.R.S.A. .. Associate of the Royal Scottish Academy; Associate of the Royal Society of Arts
A.R.W.S. .. Associate of the Royal Society of Painters in Water Colours
A.S.C.E. .. American Society of Civil Engineers
A.S.M.E. .. American Society of Mechanical Engineers
Assen. .. Association
Assoc. .. Associate
Asst. .. Assistant
Aug. .. August

B.A. .. Bachelor of Arts
B.Agr. .. Bachelor of Agriculture
B.A.(Ed.) .. Bachelor of Arts (Education)
B.Arch. .. Bachelor of Architecture
B.A.O. .. Bachelor of Obstetrics
B.A.S. .. Bachelor in Agricultural Science
B.A.Sc. .. Bachelor of Applied Science
B.B.A. .. Bachelor of Business Administration
B.B.C. .. British Broadcasting Corporation
B.C.E. .. Bachelor of Civil Engineering
B.Ch.,B. Chir. Bachelor of Surgery
B.C.L. .. Bachelor of Civil Law; Bachelor of Canon Law
B.Chem.E. Bachelor of Chemical Engineering
B.Comm. .. Bachelor of Commerce
B.C.S. .. Bachelor of Commercial Sciences
B.D. .. Bachelor of Divinity
B.D.S. .. Bachelor of Dental Surgery
B.E. .. Bachelor of Engineering; Bachelor of Education
B.Ec. .. Bachelor of Economics
B.Ed. .. Bachelor of Education
B.Eng. .. Bachelor of Engineering
B.Eng.A. .. Bachelor of Agricultural Engineering
B.E.E. .. Bachelor of Electrical Engineering
B.E.Sc. .. Bachelor of Engineering Science
B.F.A. .. Bachelor of Fine Arts
B.For. .. Bachelor of Forestry
B.I.D. .. Bachelor of Industrial Design
B.Lit(t). .. Bachelor of Letters
B.LL. .. Bachelor of Laws
B.L.S. .. Bachelor of Library Science
B.M. .. Bachelor of Medicine
B.M.A. .. British Medical Association
B.M.E. .. Bachelor of Mining Engineering
B.Mus. .. Bachelor of Music
B.N. .. Bachelor of Nursing
B.P.E. .. Bachelor of Physical Education
B.Paed. (or Pd.) .. Bachelor of Pedagogy
B.Phar. .. Baccalauréat en Pharmacie

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B.Phil. .. Bachelor of Philosophy
Br. .. .. Branch
Bro. .. Brother
B.S. .. Bachelor of Science; Bachelor of Surgery
B.S.A. .. Bachelor of Scientific Agriculture
B.Sc. .. Bachelor of Science
B.Sc.Com. .. Bachelor of Commercial Science
B.Sc.(Econ.) Bachelor of Science in the Faculty of Economics
B.Sc.(Eng.).. Bachelor of Science in the Faculty of Engineering
B.Sc.C.E. .. Bachelor of Science in Civil Engineering
B.Sc.F. .. Bachelor of Science in Forestry
B.S. in H.E. Bachelor of Science in Home Economics
B.Sc.(M.E.) Bachelor of Science in Mechanical Engineering
B.Sc.Met. .. Bachelor of Science (Metallurgy)
B.Sc.Pharm. Bachelor of Science in Pharmacy
B.S.C. .. Bachelor of Science in Commerce
B.S.D. .. Bachelor of Didactic Science; Bachelor of Science in Dentistry
B.Theol. .. Bachelor of Theology
Bt. .. .. Baronet

c. .. .. circa (approximately)
C.A. .. Chartered Accountant
Calif. .. California
Cantab. .. Of Cambridge University
C.B. .. Companion of the (Order of the) Bath
C.B.E. .. Commander of (the Order of) the British Empire
C.E. .. Civil Engineer
C.G.I.A. .. City and Guilds Institute Award
C.H. .. Companion of Honour
Chair. .. Chairman
Ch.B. .. Bachelor of Surgery
Ch.M. .. Master of Surgery (Edinburgh University)
C.I.A.L. .. Corresponding Member of the International Institute of Arts and Letters
C.I.E. .. Companion of (the Order of) the Indian Empire
Cie. .. .. Compagnie (Company)
C.I.E.E. .. Companion of the Institution of Electrical Engineers
C.M. .. Master in Surgery
C.M.G. .. Companion of (the Order of) St. Michael and St. George
Co. .. .. Company; County
Colo. .. Colorado
Comm. .. Commission
Commdr. .. Commander
Commr. .. Commissioner
Conf. .. Conference
Conn. .. Connecticut
Corpn. .. Corporation
Corresp. .. Correspondent, Corresponding
C.P. .. Congregation of the Passion
C.P.A. .. Certified Public Accountant
C.P.H. .. Certificate of Public Health
C.S.I. .. Companion of (the Order of) the Star of India
C.S.I.R. .. Council for Scientific and Industrial Research (re-named Commonwealth Scientific and Industrial Research Organisation)
C.St.J. .. Commander of (the Order of) St. John of Jerusalem
Cttee. .. Committee
C.V.O. .. Commander of the (Royal) Victorian Order

D.Agr. .. Doctor of Agriculture
D.Arch. .. Doctor of Architecture
D.B. .. Bachelor of Divinity
D.B.E. .. Dame Commander of (the Order of) the British Empire
D.C. .. District of Columbia
D.C.H. .. Diploma in Child Health
D.C.L. .. Doctor of Civil Law
D.C.M. .. Distinguished Conduct Medal
D.Cn.L. .. Doctor of Canon Law
D.C.S. .. Doctor of Commercial Sciences
D.C.T. .. Doctor of Christian Theology
D.D. .. Doctor of Divinity
D.D.C. .. Doctorat en droit canonique
Dr. der For. Doctor of Forestry
D.D.S. .. Doctor of Dental Surgery
D. de l'U .. Docteur de l'Université
D.Econ. .. Doctor of Economics
D.Ed. .. Doctor of Education
D.Eng. .. Doctor of Engineering
Del. .. Delegate, delegation, Delaware
Dept. .. Department
D. en D. .. Docteur en Droit
D. ès L. .. Docteur ès Lettres
D. ès Sc. .. Docteur ès Sciences
D.F.A. .. Doctor of Fine Arts.
D.F.C. .. Distinguished Flying Cross
D.H.L. .. Doctor of Hebrew Literature
D.Hy. .. Doctor of Hygiene
D.I.H. .. Diploma in Industrial Health
Dip. Bact. .. Diploma in Bacteriology
Dip. Ed. .. Diploma in Education
Dip. Ing. .. Diploma in Engineering
Dip. Pub. Admin. .. Diploma in Public Administration
Dir. .. Director
Dr.h.c. .. Dr. honoris causa
Dr.-Ing. .. Doctor of Engineering
D. Iur. Utr. Doctor of both Civil and Canon Law
Dr. Jur. .. Doctor of Laws
D.L. .. Doctor of Laws
D.Lett. .. Doctorat ès lettres
D.Lit(t). .. Doctor of Letters; Doctor of Literature
D.L.S. .. Doctor of Library Science
D.Litt.S. .. Doctor of Sacred Letters
D.M. .. Doctor of Medicine (Oxford)
Dr.Med. .. Doctor of Medicine
Dr.Med.Dent. Doctor of Dentistry
Dr.Med.Vet. Doctor of Veterinary Medicine
D.Mus. .. Doctor of Music
D.M.D. .. Doctor of Dental Medicine
D.Math.Sc... Doctor of Mathematical Science
Dr.Oec. .. Doctor of Commerce
D.Oph. .. Doctor of Ophthalmology
D.Paed. .. Doctor of Paediatrics
Dr.Phar .. Doctor of Pharmacy
D.Phil. .. Doctor of Philosophy
D.P.H. .. Diploma in Public Health
D.P.M. .. Diploma in Psychological Medicine
D.P.H.N. .. Diploma in Public Health Nursing
Dr.rer.Hort. Doctor of Horticulture
Dr.rer.Nat... Doctor of Natural Science
Dr.rer.Pol. .. Doctor of Political Science
D.S.C. .. Distinguished Service Cross
D.Sc. .. Doctor of Science
D.Sc.A. .. Doctor of Applied Science
D.Sc.Agr. .. Doctor of Science in Agriculture
D.Sc.Pol. .. Doctor of Political Sciences
D.S.I.R. .. Department of Scientific and Industrial Research
D.S.M. .. Distinguished Service Medal
D.S.O. .. Distinguished Service Order

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D.S.T. .. Doctor of Sacred Theology
D.S.W. .. Doctor of Social Work
D.Tech. .. Doctor in Technology
D.Theol. .. Doctor of Theology
Dr.Theol. .. Doctor of Theology
D.T.M. .. Diploma in Tropical Medicine
D.U.P. .. *Docteur de l'Université de Paris*
D.V.M. .. Doctor of Veterinary Medicine
D.V.S. .. Doctor of Veterinary Science

E.D. .. Doctor of Engineering (U.S.A.)
Ed.B. .. Bachelor of Education
Ed.D. .. Doctor of Education
Edn. .. Edition
Edin. .. Edinburgh
Ed.M. .. Master of Education
E.E. .. Doctor of Electrical Engineering
Exec. .. Executive

f. .. .. founded
F.A.A. .. Fellow of the Australian Academy of Science
F.A.A.A.S. .. Fellow of the American Association for the Advancement of Science
F.A.C.C.A. .. Fellow of the Association of Certified and Corporate Accountants
F.A.C.D. .. Fellow of the American College of Dentistry
F.A.C.P. .. Fellow of American College of Physicians
F.A.C.S. .. Fellow of the American College of Surgeons
F.A.I. .. Fellow of the Chartered Auctioneers' and Estate Agents' Institute
F.A.I.A. .. Fellow of the American Institute of Architects
F.A.O. .. Food and Agriculture Organisation
F.A.S.E. .. Fellow of Antiquarian Society Edinburgh
F.B.A. .. Fellow of the British Academy
F.B.A.A. .. Fellow of the British Association of Accountants and Auditors
F.C.A. .. Fellow of the Institute of Chartered Accountants
F.C.C.S .. Fellow of the Corporation of Secretaries
F.C.I.C. .. Fellow of the Chemical Institute of Canada
F.C.I.I. .. Fellow Chartered Insurance Institute
F.C.I.S. .. Fellow of the Chartered Institute of Secretaries
F.C.S. .. Fellow of the Chemical Society
F.C.T. .. Federal Capital Territory
F.C.W.A. .. Fellow of the Chartered Institute of Cost and Works Accountants
F.D.S.R.C.S. Fellow of the Royal College of Surgeons in Dental Surgery
Fed. .. Federation, Federal
F.E.I.S. .. Fellow Educational Institute of Scotland
F.F.A.R.C.S. Fellow of the Faculty of Anæsthetics, Royal College of Surgeons
F.F.R. .. Fellow of the Faculty of Radiologists
F.G.A. .. Fellow of the Gemmological Association
F.G.S. .. Fellow of the Geological Society
F.I.A. .. Fellow of the Institute of Actuaries
F.I.A.L. .. Fellow of the International Institute of Arts and Letters
F.I.B. .. Fellow of the Institute of Bankers
F.I.C.E.A. .. Fellow of Industrial and Commercial Executive Accountants
F.I.C.S. .. Fellow International College of Surgeons
F.Inst.F. .. Fellow of the Institute of Fuel
F.I.I.S. .. Fellow of the Irish Institute of Secretaries
F.I.L. .. Fellow of the Institute of Linguists
F.I.M. .. Fellow of the Institution of Metallurgists
F.Inst.P. .. Fellow of the Institute of Physics
F.Inst.Pet. .. Fellow of the Institute of Petroleum
F.I.R.E. .. Fellow of the Institution of Radio Engineers
F.I.R.I. .. Fellow of the Institution of the Rubber Industry
F.J.I. .. Fellow of the Institute of Journalists
F.K.C. .. Fellow of King's College (London)
Fla. .. .. Florida
F.L.A. .. Fellow of the Library Association
F.L.S. .. Fellow of the Linnæan Society
F.M.A. .. Fellow of the Museums Association
F.N.I. .. Fellow of the National Institute of Sciences (India)
F.P.I. .. Fellow of the Plastics Institute
F.Ph.S. .. Fellow of the Philosophical Society of England
F.Phys.S. .. Fellow of the Physical Society
F.R.A.C.P. Fellow of the Royal Australasian College of Physicians
F.R.A.C.S. .. Fellow of the Royal Australasian College of Surgeons
F.R.A.H.S. .. Fellow of the Royal Australian Historical Society
F.R.A.I. .. Fellow of the Royal Anthropological Institute
F.R.A.I.A. .. Fellow of the Royal Australian Institute of Architects
F.R.A.I.C. .. Fellow of the Architectural Institute of Canada
F.R.A.M. .. Fellow of the Royal Academy of Music
F.R.A.S. .. Fellow of the Royal Astronomical Society; Fellow of the Royal Asiatic Society
F.R.Ae.S. .. Fellow of the Royal Aeronautical Society.
F.R.B.S. .. Fellow of the Royal Society of British Sculptors; Fellow of the Royal Botanic Society
F.R.C.M. .. Fellow of the Royal College of Music
F.R.C.O. .. Fellow of the Royal College of Organists
F.R.C.O.G. .. Fellow of the Royal College of Obstetricians and Gynæcologists
F.R.C.P. (E.) Fellow of the Royal College of Physicians (Edinburgh)
F.R.C.P.(I.) Fellow of the Royal College of Physicians (Ireland)
F.R.C.S.(C.) Fellow of the Royal College of Surgeons (Canada)
F.R.C.S. (E.) Fellow of the Royal College of Surgeons (Edinburgh)
F.R.C.V.S. .. Fellow of the Royal College of Veterinary Surgeons (London)
F.R.Econ.S. Fellow of the Royal Economic Society
F.R.F.P.S. .. Fellow of Royal Faculty of Physicians and Surgeons
F.R.G.S. .. Fellow of the Royal Geographical Society
F.R.Hist.S. Fellow of the Royal Historical Society
F.R.Hort.S. Fellow of the Royal Horticultural Society
F.R.I.B.A. .. Fellow of the Royal Institute of British Architects
F.R.I.C. .. Fellow of the Royal Institute of Chemistry
F.R.I.C.S. .. Fellow of the Royal Institution of Chartered Surveyors
F.R.Met.Soc. Fellow of the Royal Meteorological Society
F.R.S. .. Fellow of the Royal Society
F.R.S.A. .. Fellow of the Royal Society of Arts
F.R.San.I. .. Fellow of the Royal Sanitary Institute
F.R.S.C. .. Fellow of the Royal Society of Canada
F.R.S.E. .. Fellow of the Royal Society of Edinburgh
F.R.S.G.S. .. Fellow of the Royal Scottish Geographical Society
F.R.S.H. .. Fellow Royal Society of Health
F.R.S.L. .. Fellow of the Royal Society of Literature
F.R.S.S. .. Fellow of the Royal Statistical Society

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F.R.S.S.Af. Fellow of the Royal Society of South Africa
F.R.S.T.M.. . Fellow of the Royal Society of Tropical Medicine and Hygiene
F.S.A. .. Fellow of the Society of Antiquaries
F.S.A.(Scot.) Fellow of the Society of Antiquaries (of Scotland)
F.S.A.L.A. . . Fellow South African Library Association
F.S.B.E. .. Fellow of the Society for British Entomology
F.S.S. .. Fellow of the Royal Statistical Society
F.T.C.D. .. Fellow of Trinity College, Dublin
F.T.C.L. .. Fellow of Trinity College of Music, London.
F.T.I. .. Fellow of the Textile Institute
F.Z.S. .. Fellow of the Zoological Society

Ga. .. .. Georgia
G.B.E. .. Knight (or Dame) Grand Cross of (the Order of) the British Empire
G.C.B. .. Knight Grand Cross of (the Order of) the Bath
G.C.I.E. .. (Knight) Grand Commander of the Indian Empire
G.C.M.G. .. Knight Grand Cross of (the Order of) St. Michael and St. George
G.C.S.I. .. Knight Grand Commander of the Star of India
G.C.V.O. .. Knight Grand Cross of the (Royal) Victorian Order
Gen. .. General
Gov. .. Governor
Govt. .. Government

h.c. .. honoris causa
H.E. .. His Eminence; His Excellency
H.M. .. His (or Her) Majesty
Hon. .. Honourable; Honorary

Ia. .. .. Iowa
I.C.E. .. Institute of Civil Engineers
I.C.S. .. Indian Civil Service
Ida. .. .. Idaho
Ill. .. .. Illinois
I.L.O. .. International Labour Organisation
Inc. .. Incorporated
Ind. .. Indiana; Independent
Inst. .. Institute; Institution
Inst.C.E. .. Institution of Civil Engineers
Inst.E.E. .. Institution of Electrical Engineers
Inst.Mech.E. Institution of Mechanical Engineers
Int. .. International
I.S.O. .. (Companion of the) Imperial Service Order

J.C.B. .. Juris Canonici Bachelor (Bachelor of Canon Law)
J.C.D. .. Juris Canonici Doctor (Doctor of Canon Law)
J.C.L. .. Juris Canonici Lector
J.D. .. Doctor of Jurisprudence
J.P. .. Justice of the Peace
J.S.D. .. Doctor of Juristic Science
J.U.D. .. Juris utriusque Doctor (Doctor of both Civil and Canon Law)
Ju.D. .. Doctor of Law

Kan. .. Kansas
K.B.E. .. Knight Commander of (the Order of) the British Empire
K.C.B. .. Knight Commander of (the Order of) the Bath
K.C.I.E. .. Knight Commander of (the Order of) the Indian Empire
K.C.M.G. .. Knight Commander of (the Order of) St. Michael and St. George
K.C.S.I. .. Knight Commander of the Star of India
K.C.V.O. .. Knight Commander of the Royal Victorian Order
K.G. .. Knight of (the Order of) the Garter
K.P. .. Knight of (the Order of) St. Patrick
K.St.J. .. Knight of (the Order of) St. John of Jerusalem
K.T. .. Knight of (the Order of) the Thistle
Kt. .. Knight
Ky. .. Kentucky

La. .. Louisiana
L.C.C. .. London County Council
L.C.L. .. Licentiate of Canon Law
L.D.S. .. Licentiate in Dental Surgery
L. ès L. .. Licencié ès Lettres
L. ès Sc. .. Licencié ès Sciences
L.H.D. .. Doctor of Humane Letters
L.I.M. .. Licentiate of the Institution of Metallurgists
Lic.Med. .. Licentiate in Medicine
Litt.D. .. Doctor of Letters
LL.B. .. Bachelor of Laws
LL.D. .. Doctor of Laws
LL.L. .. Licentiate of Laws
LL.M. .. Master of Laws
L.M. .. Licentiate of Medicine; or Midwifery
L.M.S. .. Licentiate in Medicine and Surgery
L.M.S.S.A. .. Licentiate in Medicine and Surgery of the Society of Apothecaries
L.Mus. .. Licentiate in Music.
L.N. .. League of Nations
L.Ph. .. Licentiate of Philosophy
L.R.C.P. .. Licentiate of the Royal College of Physicians
L.R.C.S. .. Licentiate of the Royal College of Surgeons
L.S. .. Library Science
L.S.A. .. Licentiate of Science in Agriculture
L.S.T. .. Licentiate in Sacred Theology
L.Th. .. Licentiate or Master of Theology

M.A. .. Master of Arts
M.Agr. .. Master of Agriculture (U.S.A.)
Man. .. Manager, Managing; Manitoba
M.A.O. .. Master of Obstetrics
M.Arch. .. Master in Architecture
M.A.Sc. .. Master of Applied Science
Mass. .. Massachusetts
M.B. .. Bachelor of Medicine
M.B.A. .. Master of Business Administration
M.B.E. .. Member of (the Order of) the British Empire
M.C. .. Military Cross
M.Ch. .. Master of Surgery
M.Ch.D. .. Master of Dental Surgery
M.C.E. .. Master of Civil Engineering
M.Ch.E. .. Master of Chemical Engineering
M.C.L. .. Master of Civil Law
M.Com(m). . . Master of Commerce
M.C.S. .. Master of Commercial Science
Md. .. Maryland
M.D. .. Doctor of Medicine
M.D.S. .. Master of Dental Surgery
M.E. .. Mechanical Engineer, Master of Education, Master of Engineering, Military Engineer, Mining Engineer
Me. .. Maine
M.E.E. .. Master of Electrical Engineering
M.E.I.C. .. Member of the Engineering Institute of Canada
Mems. .. Members
M.Eng. .. Master of Engineering (Dublin)

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M.F. .. Master of Forestry
M.F.A. .. Master of Fine Arts
Mgr. .. Monseigneur; Monsignor
M.H.A. .. Member of the House of Assembly
M.H.R. .. Member of the House of Representatives
M.I.Chem.E. Member of the Institution of Chemical Engineers
M.I.C.E. .. Member of the Institution of Civil Engineers
Mich. .. Michigan
M.I.E.A. .. Member of the Institution of Engineers of Australia
M.I.E.E. .. Member of the Institution of Electrical Engineers
Mil. .. .. Military
M.I.Loco.E. Member of the Institute of Locomotive Engineers
M.I.Mar.E. .. Member of the Institute of Marine Engineers
M.I.(Mech.)E. Member of the Institution of Mechanical Engineers
M.I.Min.E. Member of the Institution of Mining Engineers
M.I.M.M. .. Member of the Institution of Mining and Metallurgy
Minn. .. Minnesota
Miss. .. Mississippi
M.I.P.E. .. Member of the Institution of Production Engineers
M.I.Struct.E. Member of the Institution of Structural Engineers.
M.I.T. .. Massachusetts Institute of Technology
M.L. .. Master of Laws
M.L.A. .. Member of the Legislative Assembly
M.L.C. .. Member of the Legislative Council
M.L.S. .. Master of Library Science
M.Litt. .. Master of Letters
M.M.S.A. .. Master of Midwifery of the Society of Apothecaries
M.Mus. .. Master of Music
Mo. .. Missouri
Mont. .. Montana
M.P. .. Member of Parliament
M.P.H. .. Master of Public Health
M.Ph. .. Master of Philosophy (U.S.A.)
M.R.A.S. .. Member of the Royal Asiatic Society
M.R.C.P.(E.) Member of the Royal College of Physicians (Edinburgh)
M.R.C.S.(E.) Member of the Royal College of Surgeons (Edinburgh)
M.R.C.V.S. .. Member of the Royal College of Veterinary Surgeons
M.R.I. .. Member of the Royal Institution
M.R.I.A. .. Member of the Royal Irish Academy
M.R.S.A. .. Member of the Royal Society of Arts
M.R.S.A.E. Member of Royal Society of Agricultural Engineers
M.R.S.L. .. Member of the Royal Society of Literature
M.S. .. Master of Science; Master of Surgery
M.Sc. .. Master of Science
M.Sc.A. .. Master of Applied Science
M.Sc.Ag. .. Master of Science in Agriculture
M.Sc.(Chem. Tech.) Master of Science in Chemical Technology
M.Sc.D. .. Master of Science in Dentistry
M.Sc.F. .. Master of Science in Forestry
M.Sc.(Med.) Master of Science in Medicine
M.Sc.N. .. Master of Science in Nursing
M.S.D. .. Doctor of Medieval Studies
M.S.L. .. Licentiate of Medieval Studies
M.S.P. .. Master of Science in Pharmacy
M.S.W. .. Master of Social Work
M.Th. .. Master of Theology
Mus.Bac. or B. Bachelor of Music
Mus.Doc. or D. Doctor of Music
Mus.M. .. Master of Music (Cambridge)
M.S.B.E. .. Member of the Society for British Entomology
M.V.O. .. Member of the Royal Victorian Order
M.V.Sc. .. Master of Veterinary Science

Nat. .. National
N.B. .. New Brunswick
N.C. .. North Carolina
N.D. .. North Dakota
Neb. .. Nebraska
N.E.I. .. Netherlands East Indies
Nev. .. Nevada
N.H. .. New Hampshire
N.J. .. New Jersey
N.M. .. New Mexico
N.S. .. Nova Scotia
N.S.W. .. New South Wales
N.U.I. .. National University of Ireland
N.W.F. .. North-West Frontier
N.Y. .. New York
N.Z. .. New Zealand

O. .. .. Ohio
O.B.E. .. Officer of (the Order of) the British Empire
O.E.E.C. .. Organisation for European Economic Co-operation
O.F.S. .. Orange Free State
Okla. .. Oklahoma
O.M. .. Member of the Order of Merit
Ont. .. Ontario
O.P. .. Order of Preachers (Dominicans)
Ore. .. Oregon
Oxon. .. Of Oxford University

Pa. .. .. Pennsylvania
Parl. .. Parliament; Parliamentary
P.C. .. Privy Councillor
Pd.B .. Bachelor of Pedagogy
Pd.D. .. Doctor of Pedagogy
Pd.M. .. Master of Pedagogy
P.E.I. .. Prince Edward Island
P.E.N. .. Poets, Playwrights, Essayists, Editors and Novelists (Club)
Ph.B. .. Bachelor of Philosophy
Ph.D. .. Doctor of Philosophy
Ph.G. .. Graduate in Pharmacy
Ph.L. .. Licentiate of Philosophy
Ph.M. .. Master of Philosophy
P.Q. .. Province of Quebec
P.R.A. .. President of the Royal Academy
Pres. .. President
P.R.I. .. President of the Royal Institute (of Painters in Water Colours)
P.R.I.B.A. .. President of the Royal Institute of British Architects
Priv.Doz. .. Recognised teacher not on the regular staff
Prof. .. Professor
P.R.S. .. President of the Royal Society
P.R.S.A. .. President of the Royal Scottish Academy
Publs. .. Publications

Q.C. .. Queen's Counsel
Q.H.P. .. Honorary Physician to the Queen
Que. .. Quebec

R.A. .. Royal Academy; Royal Academician
R.A.C.P. .. Royal Australasian College of Physicians
R.A.C.S. .. Royal Australasian College of Surgeons

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R.A.F. .. Royal Air Force
R.A.M. .. Royal Academy of Music
R.A.S. .. Royal Astronomical (Asiatic) Society
R.B.A. .. Royal (Society of) British Artists
R.C.A. .. Member of the Royal Cambrian Academy; Member of the Royal Canadian Academy
R.D.I. .. Royal Designer for Industry
Rep. .. Representative; Represented
resgnd. .. resigned
retd. .. retired
Rev. .. Reverend
R.G.S. .. Royal Geographical Society
R.Hist.S. .. Royal Historical Society
R.I. .. Rhode Island; Royal Institute (of Painters in Water Colours) Royal Institution
R.I.B.A. .. Royal Institute of British Architects
R.I.C.S. .. Royal Institution of Chartered Surveyors
R.M.P.A. .. Royal Medico-Psychological Association
R.N. .. Royal Navy
R.O.I. .. Royal Institute of Oil Painters
R.P. .. Member Royal Society of Portrait Painters
R.S.A. .. Royal Scottish Academy Royal Society of Arts
R.S.C. .. Royal Society of Canada
R.S.W. .. Royal Scottish Society of Painters in Water Colours
Rt. Hon. .. Right Honourable
Rt. Rev. .. Right Reverend
R.W.S. .. Royal Society of Painters in Water Colours

S.C. .. South Carolina; Senior Counsel (Republic of Ireland)
SCAP .. Supreme Command Allied Powers
Sc.B. .. Bachelor of Science
Sc.D. .. Doctor of Science
S.C.D. .. Doctor of Commercial Science
S.Dak. .. South Dakota
Sec. .. Secretary
S.J. .. Society of Jesus
S.J.D. .. Doctor of Juristic Science
S.M. .. Master of Science
S.T.B. .. Bachelor of Sacred Theology
S.T.D. .. Doctor of Sacred Theology
S.Th.L. .. Sacrae Theologiae Lector (Reader or Professor of Sacred Theology)
S.T.M. .. Master of Sacred Theology
Supt. .. Superintendent

T.D. .. Territorial Decoration; Tealta Dáil (Member of the Dail), Teaching Diploma
Tenn. .. Tennessee
Tex. .. Texas
Th.B. .. Bachelor of Theology
Th.D. .. Doctor of Theology
Th.M. .. Master of Theology
T.U.C. .. Trades Union Congress

U.K. .. United Kingdom
U.N. .. United Nations
U.N.A. .. United Nations Association
UNESCO .. United Nations Educational, Scientific and Cultural Organisation
UNICEF .. United Nations International Children's Emergency Fund
Univ. .. University
U.N.R.W.A. United Nations Relief Works Agency
U.P. .. Uttar Pradesh (United Provinces)
U.S.A. .. United States of America
U.S.S.R. .. Union of Soviet Socialist Republics

Va. .. Virginia
V.C. .. Victoria Cross
V.D. .. Volunteer Officers Decoration, Victorian Decoration
Vols. .. Volumes
V.R.D. .. Royal Naval Volunteer Reserve Officers Decoration
Vt. .. .. Vermont

W.A. .. Western Australia
Wash. .. Washington (State)
W.E.A. .. Workers' Educational Association
Wis. .. Wisconsin
W.Va. .. West Virginia
Wyo. .. Wyoming

Y.M.C.A. .. Young Men's Christian Association
Y.W.C.A. .. Young Women's Christian Association

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INTERNATIONAL

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UNESCO

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

AIMS AND FUNCTIONS

(*Article 1 of Unesco Constitution*)

The purpose of the Organisation is to contribute to peace and security by promoting collaboration among the nations through education, science, and culture in order to further universal respect for justice, for the rule of law, and for the human rights and fundamental freedoms which are affirmed for the peoples of the world, without distinction of race, sex, language, or religion, by the Charter of the United Nations.

To achieve Unesco's purpose, the General Conference adopts at its biennial sessions a basic programme which stresses the main ideas underlying the aims of the Organisation and gives coherence to the detailed work plans. While the latter naturally vary from year to year, the basic programme covers the policies and main lines of work, with little change except of emphasis on this or that sector.

The chief tasks of Unesco, as defined in its basic programme, are as follows:

1. To eliminate illiteracy and encourage universal free and compulsory education;

2. to obtain for each person an education conforming to his aptitudes and to the needs of society, including technological training and higher education;

3. to promote, through education, respect for Human Rights throughout all nations;

4. to overcome the obstacles to the free flow of persons, ideas, and knowledge between the countries of the world;

5. to promote the progress and utilisation of science for the benefit of all mankind;

6. to focus the social sciences on the study of particular social questions for the benefit both of the general public and of governments;

7. to assure the preservation of the world's inheritance of books, works of art and monuments of history and science, to make this cultural heritage known and available to all, and to promote mutual appreciation of differing cultural values;

8. to advance through the press, radio, and motion pictures the cause of truth, freedom, and peace;

9. to bring about better understanding among the peoples of the world and to convince them of the necessity of co-operating loyally with one another in the framework of the United Nations;

10. to provide clearing-house and exchange service in all its fields of action, together with technical aid to nations and peoples in emergencies.

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MEMBER STATES

(November 1st, 1963)

Afghanistan
Albania
Algeria
Argentina
Australia
Austria
Belgium
Bolivia
Brazil
Bulgaria
Burma
Burundi
Byelorussia
Cambodia
Cameroun
Canada
Central African Republic
Ceylon
Chad
Chile
China, Republic of (Taiwan)
Colombia
Congo (Léopoldville)
Congo (Brazzaville)
Costa Rica
Cuba
Cyprus
Czechoslovakia
Dahomey
Denmark
Dominican Republic
Ecuador
El Salvador
Ethiopia
Finland
France
Gabon
German Federal Republic
Ghana
Greece
Guatemala
Guinea
Haiti
Honduras
Hungary
India
Indonesia
Iran
Iraq
Ireland
Israel
Italy
Ivory Coast
Jamaica
Japan
Jordan
Korea, Republic of
Kuwait
Laos
Lebanon
Liberia
Libya
Luxembourg
Madagascar
Malaysia
Mali
Mauritania
Mexico
Monaco
Mongolian People's Republic
Morocco
Nepal
Netherlands
New Zealand
Nicaragua
Niger
Nigeria
Norway
Pakistan
Panama
Paraguay
Peru
Philippines
Poland
Rumania
Rwanda
Saudi Arabia
Senegal
Sierra Leone
Somalia
Spain
Sudan
Sweden
Switzerland
Syria
Tanganyika
Thailand
Togo
Trinidad and Tobago
Tunisia
Turkey
Uganda
Ukraine
U.S.S.R.
United Arab Republic
United Kingdom
United States of America
Upper Volta
Uruguay
Venezuela
Viet-Nam, Republic of
Yemen
Yugoslavia

Associate Members

Mauritius Qatar

REGULAR PROGRAMME

1. DEVELOPMENT OF INTERNATIONAL CO-OPERATION

Unesco aims to maintain, increase and diffuse knowledge and to encourage co-operation among the nations in all branches of intellectual activity. The League of Nations set up its International Committee on Intellectual Co-operation for the same purpose, and Unesco took over this heritage in an attempt to restore contacts broken by the Second World War. It was realised that an effective and economical method would be, first, to support existing specialist organisations, and second to encourage individual scientists, scholars, writers and artists.

The natural sciences was the first sphere in which Unesco was able to co-operate with an already firmly established body of scientific associations. Unesco's success in this field prompted action where contacts at international level were less advanced. To achieve this a number of institutions were created: the International Council for Philosophy and Humanistic Studies, the International Theatre Institute, the International Music Council, the International Association of Plastic Arts. Unesco also decided to support the work of the International PEN and the International Union of Architects. The International Council of Archives was founded on the initiative of Unesco. Financial aid is given to the International Council of Museums, the International Federation of Library Associations and the International Federation of Documentation.

In the field of social sciences, Unesco promoted establishments in such major disciplines as sociology, political science, legal science and economics. Subventions have been granted to a few carefully-selected associations, including the International Union of Scientific Psychology, the International Statistical Institute, the International Union for the Scientific Study of Population. The International Social Science Council and the International Committee for Social Sciences Documentation were also helped.

In the field of education, financial assistance has been given to the World Confederation of Organisations of the Teaching Profession, the International Association for Teachers' Federation, the International Association for Vocational Guidance, the World Organisation for Early Childhood Education, the New Education Fellowship, etc. A major step was the creation in 1950, with UNESCO's help, of the International Association of Universities. Subventions have also been granted to the International Bureau of Education for its documentation services.

In the field of mass communication, Unesco has found that associations have more varied activities and less well defined programmes. It has founded the International Centre of Films for Children, the International Association for Mass Communication Research, the International Film and Television Council.

Unesco also organises seminars, international discussions and conferences, for example the International Conference of Artists held in 1952, the Conference on Radio-isotopes in Scientific Research held in 1957, the International Conference on Information Processing in June 1959, and the Intergovernmental Conference on Oceanographic Research in July, 1960.

2. IMPROVING DOCUMENTATION

These activities include the collection, analysis and diffusion of information and statistics, and the encouraging of other organisations to do similar work. Since 1948 this has been increasingly achieved through the Education Clearing House.

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Unesco has also built up a documentation and information service on opportunities and facilities for study abroad. The annual publications *Study Abroad* and *Vacations Abroad* bring such facts to a wide public.

The Clearing House in Mass Communications collects information on mass media techniques and the technical needs of mass media institutions.

In the field of culture Unesco has produced the *Index Translationum* and archives of colour reproductions of paintings. In the Social Sciences bibliographies have been produced in four major fields, sociology, political science, economics and social and cultural anthropology. Multilingual dictionaries and biographies are being prepared and attempts have been made to standardise techniques and terminologies. A study has also been made of scientific and technical dictionaries and a bibliography of monolingual glossaries has been produced.

Unesco also promotes the creation of scientific and technical documentation centres in order to meet the essential need of scientists and technicians for information on the work of their colleagues elsewhere.

Altogether, 36 national centres for the international exchange of publications are linked with Unesco. One of the chief aims of the International Centre for the study of the Preservation and Restoration of Cultural Property, newly set up in Rome, is to collect, analyse and distribute information concerning scientific and technical problems arising in the fields of preservation and restoration. Similarly the Documentation and Study Centre for the History of Art and Civilisation in Ancient Egypt is now in full operation.

3. SCHOOL EDUCATION

The Unesco programme for school education may be divided into five main parts, Free and Compulsory Education; the School Curriculum and Improvement of Education; Education for International Understanding and Co-operation; Vocational and Technical Education; and Higher Education.

Forty-five per cent of the world's population of fifteen years old and over cannot read or write; forty-five per cent of the world's children of school age do not attend school. Of those who do attend school, many are poorly educated because of inadequate facilities, undertrained teachers and an outmoded curriculum. It is, in addition, realised that the need for humanistic studies and for education for international understanding has never been so great. Recent developments in science and industry have also created new problems in higher education or have accentuated old ones.

Free and Compulsory Education. During the last ten years Unesco has conducted a campaign to extend free and compulsory education to all children of primary school age. A series of international and regional conferences was organised; direct assistance was offered to Member States in the form of experts and of fellowships for national educators; a pilot project was established at Ubol in co-operation with the Government of Thailand. In 1958, the Australian Government, held a regional training course on multiple-class teaching for a group of educators from South-East Asia. The first major effort for training teachers was launched in 1957 as Unesco's Major Project for the Extension of Primary Education in Latin America. The Project concentrates upon teacher training and educational planning, and is now in full operation.

Three major enquiries into the educational needs of tropical Africa, the Arab-speaking States, and South and South-East Asia, were completed, as a result of which the General Conference, in December, 1962, re-adopted programmes for the development of education in these areas, totalling $8.8 million for 1963-64, in addition to a $4 million emergency programme for Africa financed out of voluntary contributions, and to Special Fund activities (*see* below).

The School Curriculum and the Improvement of Education. In 1954 a programme for the Improvement of the School Curriculum was initiated by the creation of an international advisory committee, by the holding of regional seminars, by providing the services of experts, by disseminating information on mechanisms of curriculum revision, curriculum research, etc., by initiating an inquiry into the adaption of the school curriculum to the age and development levels of children. In 1960 Unesco completed an inquiry into the role and place of the humanities in school education. Two outside bodies are closely associated with UNESCO in this field: the International Bureau of Education at Geneva, and the Institute of Education at Hamburg.

Education for International Understanding and Co-operation. Unesco seeks to stimulate interest in educational activities by facilitating international exchanges of ideas among educational leaders and teachers, in aiding in the development of better methods and materials and in encouraging action within schools on many aspects of education for international understanding.

Vocational and Technical Education. Activity in this field has led mainly to the provision of services of experts, fellowships and equipment. Regional conferences and training courses on Vocational and Technical Education have recently been organised.

By an agreement reached in 1960 between UNESCO and the International Labour Office, two new international instruments have been completed, the UNESCO one dealing with technical education in school and the ILO one with vocational training after or out of school.

Higher Education. Work in this sphere is carried out mainly through the International Association of Universities, created in 1950. A scheme of collaboration on a large scale started in 1960 with some of the American Foundations on the subject of access to universities.

4. EDUCATION OUTSIDE SCHOOL

The work in this group of activities is divided into three sections: fundamental education, education of adults, and the development of youth activities.

Fundamental Education (Community Development). The main effort is directed towards those people who have not had the opportunity to go to school. Fundamental education aims at imparting the minimum knowledge and skills that people need to help themselves to improve their standard of living and to take a productive part in the social and economic life of their community. The basic need is to combat ignorance, which extends over half the world's population and is instrumental in breeding disease, poverty and lethargy.

Two regional fundamental education centres have been set up: one for Latin American States at Patzcuaro, Mexico, established in 1951, the other for Arab States at Sirs-el-Layyan, Egypt, established in 1955. Unesco has helped in setting up National Centres, such as at Ubol, Thailand and Minneriya, Ceylon. Expert training centres like the one at Yelwal, in Mysore, have also been set up. Unesco also co-operates in fundamental and adult education projects undertaken by Member States.

Adult Education. The aim is to foster education, not only at school but throughout life. Unesco assists Member States and appropriate international organisations in the development of adult education activities by: co-operating to set up national and regional seminars; sending field

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missions to make surveys and advise on projects; publishing reports on projects and activities. In 1960 there took place at Montreal, Canada, the Second World Conference on Adult Education, which stressed the vital importance of all forms of out-of-school education in a rapidly changing world.

Youth Work. The work is concentrated on assisting Member States and appropriate international organisations and institutions in the development of youth education for social responsibility and international understanding and co-operation. The Section supplies information and brings groups interested in the same problems into contact with each other. It also sponsors international voluntary work camps and an annual conference of work camp organisers. Another important interest is the Unesco Youth Institute at Gauting, Germany. The Institute is an international meeting place where conferences are organised to study youth activities.

5. AID TO SCIENTIFIC RESEARCH IN THE NATURAL SCIENCES

These activities cover the following fields: arid lands; the humid tropical zone; marine sciences; cell biology; the peaceful uses of atomic energy; new sources of energy; extra-territorial space; and the processing of scientific data.

The exchange of ideas and results is encouraged by congresses and documentation, and the award of grants for study tours and missions. More concrete action was provided in the specific subjects mentioned above. Three main methods have been devised to produce the desired results. The first is to establish for each subject a new intergovernmental body, whether regional or international, which conducts its scientific work on its own initiative. The European Organisation for Nuclear Research and the International Computation Centre are examples of bodies of this kind. The second is to set up, within Unesco itself, an administrative co-ordinating body which possesses certain financial resources and acts on the scientific advice of a group of experts selected for that purpose: an example is provided by the new Inter-Governmental Oceanographic Commission set up in 1961, with a permanent staff within the Secretariat to service it. The third is to provide assistance for the establishment and operation of a non-governmental body responsible for achieving the co-operation desired, e.g. the International Brain Research Organisation set up in 1960.

Advisory Committees of experts of world-wide repute have been set up to administer the Arid Zone, the Marine Sciences and Humid Tropics Research Projects. Financial assistance has been granted to the International Astronomical Union and the International Geophysical Year organisation. Sometimes entirely new organisations have come into being following studies made by the Secretariat. Examples are the Federation of Astronomical and Geophysical Services and the International Centre for Laboratory Animals.

General advice has also been given by short-term missions on the establishment of national scientific research centres.

The most important activity has been the creation *in toto* of institutions and services previously almost non-existent. It has been possible in this way to strengthen geophysical and seismological observatories, and geological and hydro-geological services.

Co-operation has commenced with the FAO projects for studying the world's resources of fish, as a source of food supply, and with the United Nations and several non-Governmental bodies over problems connected with the scientific exploration of outer space.

6. APPLIED SOCIAL SCIENCES

The Social Science programme makes a clear distinction between the promotion of pure research and learning in the field of the social sciences and the use of the social sciences for solving social problems. The promotion of original research has also taken place into the attitudes of the people of one country towards people of other countries, into race prejudice and into the roots of tension in local communities within different societies.

One project has been the study of the integration of immigrants into a new cultural environment. Another was directed at finding a solution to the tensions accompanying technological change. There has been a rapid increase in work on the Social Implications of Industrialisation and Technological Change, including urbanization. The latter activity now represents over 80 per cent of Unesco's work in this field. Two other projects concern the development of techniques of evaluation of the results of programmes of economic development and the study of analysis of selected aspects of society in countries whose social and economic systems or stages of development differ.

7. PRESERVATION OF THE CULTURAL HERITAGE OF MANKIND

Activity in this section is directed to the conservation and protection of the world's inheritance of books, works of art and monuments of history and science. Encouragement is also given to the exchange of publications,objects of artistic and scientific interest and other materials of information.

The protection of cultural property, historic monuments and of museum objects, archives, libraries, etc. during war is sought through the International Convention for the Protection of Cultural Property in the Event of Armed Conflict, signed at The Hague in 1954. Fifty Member States are parties to this Convention.

An International Centre for the Study of the Preservation and Restoration of Cultural Property has been established in Rome. A manual on the protection of cultural property has been published which deals with techniques for preservation and conservation. Since 1955, missions have advised on the preservation of culture in Peru, Yugoslavia, the Lebanon, Syria, Iraq, Israel, Egypt, Jordan, Iran, Pakistan, Afghanistan, Ecuador and the Sudan. International Seminars on Arts and Education have also been held since 1950 and two International Societies have been launched—one for Education through Art and the other for Music Education.

Since June, 1959, UNESCO has sent experts and financial aid to the Governments of the U.A.R. (Egypt) and the Sudan, in an effort to protect or transport to new sites the monuments and archæological sites of Nubia. These are being threatened by the building of the Aswan High Dam, which will by 1964 raise the water level over nearly 300 miles of Egyptian and Sudanese territory. An international appeal was launched in February, 1960, for this work, and a number of countries have sent archaeological teams to the area. By June 1963 sufficient money had been raised to go forward with a Swedish plan to reassemble the Abu Simbel temples on a new site out of danger from the rising flood waters of the dam. The work is expected to last until 1969.

8. MUTUAL APPRECIATION OF CULTURAL VALUES

The aim is to encourage a better mutual knowledge of the cultures of different peoples. In this way it is hoped to lay the foundations of real international understanding necessary for maximum peaceful co-operation among peoples.

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The ninth session of Unesco's General Conference (New Delhi, 1956) established a ten-year major project aimed at developing the "Mutual Appreciation of Eastern and Western Cultural Values". The scheme aims to break down the barriers to the flow of information and ideas between the orient and occident. It has stimulated a very large number of cultural activities of an exchange nature throughout the world.

Unesco appointed a Commission in 1951 to prepare the publication of a history of the scientific and cultural development of mankind. The first two volumes, dealing with pre- and proto-history, were published in London in May 1963. A quarterly *Journal of World History* is published by the Commission.

The department sponsors international circulation of masterpieces of the visual arts and of music. Exhibitions of reproductions representing the great periods of both Western and Eastern art are circulating in Member States.

The Unesco *World Art Series* albums, devoted to works of art not sufficiently known outside their countries of origin, are published in five languages. Catalogues listing high quality reproductions of paintings of all periods have been published for the guidance of students, teachers and the general public.

Under the auspices of the International Music Council a collection has been made of recordings of traditional and contemporary music of all continents.

Great works representative of the genius of different people are translated and published. Translations of works from twenty-six different literatures have so far been made, chiefly into English and French.

9. FREE FLOW OF INFORMATION

Among the principal methods used are: sponsorship of international agreements; proposals to reduce telecommunication, postal, transport and tariff obstacles to the flow of information; administration of coupon schemes designed to overcome currency barriers; action to improve the techniques and expand the means of communication; the publication of reports and studies focusing public attention on obstacles to the free flow of information.

The underlying reason for Unesco's action in this field is that the dearth of communication facilities in large areas of the world, a maze of non-political restrictions and the high cost of sending information from country to country constitute formidable obstacles to the creation of an enlightened public opinion. In short, it appears that nearly 60 per cent of the world's peoples lack the means of being adequately informed of developments at home, let alone in other countries. For millions of people freedom of information, guaranteed by the universal Declaration of Human Rights, is far from being a reality.

Here are some of the results achieved:

1. Two international Agreements have been sponsored by Unesco: the Agreement on the Importation of Educational, Scientific and Cultural Materials and the Agreement for Facilitating the International Circulation of Visual and Auditory Materials of an Educational, Scientific and Cultural Character.

2. Proposals have been submitted to international conferences in the telecommunication, postal, transport and trade fields. Substantial concessions have been made in the rates and facilities offered.

3. Studies have been published such as *World Communications, Books for All, Trade Barriers to Knowledge* and *Transmitting World News*, which have spurred national efforts to reduce obstacles to the flow of information.

4. Member States have taken steps to facilitate the movement of persons engaged in educational, scientific and cultural activities.

5. Unesco's Coupon Schemes have helped to remove currency conversion obstacles, enabling individuals or organisations to purchase foreign books, films and other information materials and to pay for educational travel abroad.

Unesco has also provided limited direct aid and planned and conducted a series of seminars and experimental activities designed to improve the professional competence of those working in the mass media. Aid missions have been sent to Pakistan, for example, to assist in the expansion of its broadcasting network, to Israel to assist in developing film laboratories, to Libya to advise on the setting up of a national broadcasting service, to Costa Rica to advise on the creation of a television service, to Afghanistan to help in the organisation of printing shops, and to the Sudan to develop educational broadcasting.

Unesco has also organised meetings of television and radio producers and regional training courses in broadcasting techniques. It has sought to promote the establishment of regional centres for the training of teachers of journalism. The first such centre began operating in 1951 at Strasbourg University, and a second centre was opened in Ecuador in 1960. Others are planned for Asia and Africa.

Tariff, postal and transport revenues waived each year as a result of action taken by Unesco are already at least equal in amount to the Organisation's total annual budget. Member States have also simplified administrative procedures affecting the international circulation of educational materials. Some $30,000,000 has been made available by Unesco's Coupon Schemes for the importation of books, films and scientific equipment.

10. "STUDY ABROAD"—THE INTERNATIONAL TRAINING OF SPECIALISTS

The programme has been carried out through three main lines of activity:

1. A programme of documentation to reveal the extent and nature of activities of governments and other agencies in the field.

2. A programme to improve the planning and administration of international training programmes.

3. A programme of training specialists in Unesco fields of interest, through awards of fellowships for study abroad, and the organisation of special courses and other measures.

Statistical documentation on foreign students in institutions of higher learning provided by Unesco has given governments and other agencies more complete information than has ever before been available on the scale of international training and study opportunities. New approaches to the appraisal of needs for international training have been developed. Work has also advanced on developing an evaluative approach to the actual administration of programmes, so that planners and administrators may develop certain simple techniques by which to judge the effectiveness of their planning and administration, and the ultimate results of their work. Since 1948 almost 2,500 fellowships have been awarded in various fields for periods of study abroad. These fellowships have enabled persons, who are already specialists in their field, to obtain additional general or technical training abroad for periods of four to nine months—longer in exceptional cases. Fellowships have played an important role in training local "counterparts" to take over responsibilities from experts sent abroad for limited periods.

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In some countries field experts have organised training centres and courses as a means of passing on their specialised knowledge to nationals of the countries concerned. The international centres operated in Mexico and Egypt have endeavoured to develop complete cadres of Fundamental Education and community development specialists. The Major Project on the Extension of Primary Education in Latin America places high priority on training of educational specialists and supervisory personnel. In Yugoslavia, over 100 educational leaders, associated with the current Yugoslav programme of educational reform, have been given opportunities for comparative studies of methods used abroad.

Continuing efforts are made by Unesco to keep in touch with former fellows and there is much evidence to show that many former fellows are making valuable contributions, through the introduction of new techniques and knowledge, to the projects for which they have been trained.

11. HUMAN RIGHTS

The universal rights (United Nations Declaration of Human Rights, 1948) of all individuals to education, an enjoyment of the arts and to a share in scientific advancement and its benefits, come directly within Unesco's competence. In addition to efforts already outlined, Unesco has, in this field, secured the Universal Copyright Convention (signed by 40 States, Geneva, 1952), and at the present time 55 States are parties to this instrument which came into force on September 16th, 1955. A series of reports has been prepared on the subject of education for women, and studies have been made of the role of educated women in Africa and Asia. The General Conference, at its eleventh session (Paris, 1960), adopted a Convention and Recommendation against discrimination in education, which came into force on May 22nd, 1962. France and Israel deposited instruments of ratification in 1961, and 13 other countries, including the United Kingdom and U.S.S.R., did so in 1962, bringing the total number of states party to it to 15.

OTHER PROGRAMMES

1. EXPANDED PROGRAMME OF TECHNICAL ASSISTANCE

Unesco, like the other major specialised agencies, has been a participant since 1954 in the United Nations Expanded Programme of Technical Assistance for economic development, under which experts are sent to requesting countries, fellowships granted and other facilities provided to assist these countries in framing and implementing measures of economic development. In 1962 Unesco's share (about 16 per cent) of the total funds amounted to $6,900,000, which paid for over 400 experts (mostly in education or science) in some 60 countries and territories, 300 fellowships to nationals of assisted countries, and a small amount of demonstration equipment and supplies. There are also some regional projects covering a group of countries, several of them operated in collaboration with the United Nations or other agencies.

2. PARTICIPATION PROGRAMME

The United Nations Expanded Programme can only finance projects clearly aimed at economic development, and this definition excludes certain Unesco objectives, e.g. in the fields of the social sciences, cultural activities, etc., in regard to which Member States have sought the organisation's direct assistance. Accordingly there was launched in 1956 a "Participation" programme under which a fraction of Unesco's total budget is set aside for direct assistance given on request to Member States. Some $1,120,000 became available in 1962 for this purpose, and this has been allocated to meet requests originating from 75 countries and territories and should finance 18 regional projects involving several countries each. Apart from aid in the educational and scientific fields the subjects covered include social science teaching, the preservation and restoration of monuments, the development of libraries and museums, the development of communication facilities, public administration, arts and crafts, etc.

3. UNITED NATIONS SPECIAL FUND

As a complement to the Expanded Programme of Technical Assistance (which is mainly concerned with the provision of expert advice) the General Assembly of the United Nations set up in October 1958 a voluntary "Special Fund" designed to finance major undertakings calculated to promote economic development in under-developed countries. The initial target of $150,000,000 will shortly be reached. Here again Unesco is a participating agency and has now been given responsibility for 48 projects in all parts of the world, for a total cost of $52 million spread over five years. The fields covered are teacher-training (secondary, technical and vocational), training of technicians and applied scientific research. Teacher-training at the secondary level is largely concentrated in Africa, where the need is greatest, and the tendency of the Special Fund authorities is towards increased liberality in this field. In addition, it has been proposed that criteria for Special Fund programmes be further extended to include women's education and assistance to the training of primary school teachers in countries where the shortcomings of primary education constitute a serious handicap to economic development.

4. OTHER INTERNATIONAL ACCOUNTS

An immediate and generous response followed appeals made by the Organisation for specific purposes: (1) The International Campaign for Safeguarding the Monuments of Nubia to which the United States Government has promised to meet one-third of the total cost and to which 43 Member States have contributed or promised to contribute a total of some $77 million in addition to the $11.5 million set aside for this purpose by the United Arab Republic (Egypt). (2) Numerous scientific missions sent by Member States and private institutions, half of whose expenses are being guaranteed by the Republic of Sudan. (3) The Emergency Programme for Educational Development in Africa, launched by the General Conference at its eleventh session, whose target is four million dollars. (4) A Unesco School Construction Bureau for Africa has been established in Khartoum in co-operation with the Government of Sudan. (5) A Textbook Production Centre has been established in Yaoundé in co-operation with the Government of Cameroun. (6) Overseas teachers and professors and aid in educational planning, in the form of expert missions, are being provided to numerous African Member States.

In addition, Unesco continues to co-operate with an international aid programme launched in 1960 by the International Bank for Reconstruction and Development (IBRD) under the name of the International Development Association (IDA). Whereas the UN Special Fund (*see above*) is concerned with "pre-investment" projects (although of considerable magnitude) the IDA concentrates

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its resources on larger scale projects of an operational nature. The General Conference at its eleventh session authorised the Director-General to collaborate with the Association "by advising Member States on projects which might suitably be presented to IDA for loans, by advising IDA on projects within the sphere of Unesco's competence for which loans are being considered" and "by assisting Member States in the preparation and presentation of requests to IDA."

A $5 million credit was extended to Tunisia in September 1962 for secondary and technical school construction, and some 12 other projects are under consideration.

ORGANISATION

1. General Conference. Meets in ordinary session once in two years and is composed of representatives of the Member States. The twelfth session was held in November/December 1962 at the permanent Headquarters in Paris.

2. Executive Board. Consists of 30 members elected for a 4-year term. Prepares the programme to be submitted to the Conference and supervises its execution. The sixty-fifth session of the Board took place in Paris in May 1963.

3. Secretariat. The Director-General and an international staff of more than 500 professional civil servants drafted from 67 countries.

Co-operating Bodies. In addition to the structure of UNESCO, as outlined above, National Commissions or co-operating bodies have been set up in most of the Member States of UNESCO. These Commissions, which are intended to bring together within each country government officials and the principal non-governmental bodies interested in educational, scientific and cultural matters (*see below*, Constitution, Article VII), help to integrate the individual efforts in Member States with the work of the Organisation and to act in an advisory capacity to their governments in matters relating to the Organisation.

The number of Member States of UNESCO as at October 1st, 1963, was 113. The last country to join was Uganda.

MEMBERS OF THE EXECUTIVE BOARD 1963–1964

Chair. H.E. Dr. C. Edward Beeby (New Zealand); Vice-Chair. H.E. Dr. Albert Rakato-Ratsimamanga (Malagasy Republic), S. M. Sharif (Pakistan), H.E. Stefan Wierlowski (Poland), Dr. Silvio Zavala (Mexico); Members: H.E. Ziada Arbab (Sudan), H.E. Georges Averoff (Greece), Dr. Moshé Avidor (Israel), H.E. Amadou Hampatâté Ba (Mali), H.E. Rodolfo Barón Castro (El Salvador), Julien Cain (France), Samuel J. Cookey (Nigeria), H.E. Dr. Atilio Dell'Oro Maini (Argentina), Dr. Hilding Eek (Sweden), H.E. Mohammed El Fasi (Morocco), H.E. William A. Eteki-Mboumoua (Cameroun), Mrs. Indira Gandhi (India), H.E. Juvenal Hernandez (Chile), H.E. Julien Kuypers (Belgium), H.E. Dr. Sarwat Okasha (United Arab Republic), H.E. Dr. Mariano Picón Salas (Venezuela), H.E. Gian Franco Pompei (Italy), Dr. George N. Shuster (U.S.A.), Prof. Otto von Simson (Federal Republic of Germany), Prof. Noraïr M. Sissakian (U.S.S.R.), Dame Mary Guillan Smieton (United Kingdom), H.E. Tatsuo Suyama (Japan), Mrs. Otilla A. de Tejeira (Panama), Prof. Bedrettin Tuncel (Turkey), H.E. Tudor Vianu (Rumania).

The members of the Executive Board sit as representatives of their governments.

OFFICERS OF THE SECRETARIAT

Director-General: René Maheu (France).

Deputy Director-General: Dr. Malcolm S. Adiseshiah (India).

Assistant Directors-General: Pavel Erchov (U.S.S.R.), Dr. Gabriel Betancurmejia (Columbia).

HEADQUARTERS AND OTHER OFFICES

Headquarters: 7/9, place de Fontenoy, Paris, 7e, France.

New York Office: Room 2201, U.N. Building, 42nd Street at 1st Avenue, New York 17, N.Y., U.S.A.; Representative at the United Nations A. Gagliotti (U.S.A.).

Regional Office for Latin America: Centro Regional de la UNESCO en el Hemisferio Occidental, Calle 5, No. 306, Apartado 1358, Havana, Cuba.

UNESCO Science and Research Offices:

Centre for Scientific Co-operation for Latin America: 1320 Bulevar Artigas, Apartado de Correos 859, Montevideo, Uruguay.

Research Centre on the Social Implications of Industrialisation in Southern Asia: c/o Institute of Economic Growth, University Enclave, New Delhi, India.

Science Co-operation Office for the Middle East: 8 Sh. El Salamlik, Garden City, Cairo, Egypt.

Science Co-operation Office for South Asia: C.S.I.R. Building, 21 Curzon Road, New Delhi, India.

Science Co-operation Office for South East Asia: c/o Organisation for Scientific Research in Indonesia, Djalan Diponegoro 76, Djakarta, Indonesia.

Regional Education Centre in Asia: Bangkok, Thailand.

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PERIODICALS

UNESCO Courier: monthly illustrated journal devoted to the general activities of UNESCO; English, French, German, Spanish, Russian, Arabic and Japanese.

UNESCO Chronicle: monthly, giving official information, records of meetings, reports, and articles on UNESCO's programme, etc.; English, French and Spanish.

Bulletin for Libraries: monthly, containing information of use to libraries, scientific research institutes, etc.; chapters offering publications on exchange and for free distribution as well as lists of publications wanted by libraries; English, French, Spanish and Russian.

Copyright Bulletin: half-yearly review of special studies and documentation on the legislation in different countries, and on UNESCO's work on behalf of the harmonisation of the various copyright laws; trilingual (English-French-Spanish).

International Journal of Adult and Youth Education: quarterly technical journal mainly for specialists; English, French, Spanish and Arabic.

Museum: quarterly international review of museographical techniques intended for museum specialists; bilingual (English-French).

Impact of Science on Society: quarterly review of original studies of current events and trends; English and French.

International Social Science Journal: quarterly acquainting social scientists in various countries with work that has been conducted by national and international organisations, as well as individuals, concerned with an objective and scientific approach to the study of international relations in the widest sense; English and French.

BUDGET*

including Technical Assistance and UN Special Funds
(approved estimates for 1962—$U.S.)

EDUCATION

Subventions, research, advisory services	730,300
School education	3,483,900
Technical education	2,381,300
Out-of-school education	1,085,600
Staff	1,222,200
Publications and documents	209,000
	9,112,300
Major project for Primary Education in Latin America	938,400

NATURAL SCIENCES

Subventions	245,600
Promotion, teaching and documentary services	3,012,500
Research	2,423,500
Regional activities	122,300
Staff	438,300
Publications and documents	54,700
	6,297,000
Major project on Arid Land Research	503,800

SOCIAL SCIENCES

Subventions	105,000
Survey and Documentary Services; Statistics	98,300
Teaching and Research	442,200
International understanding, peaceful co-operation and Human Rights	32,000
Promotion of Social Development	217,000
Staff	433,400
Publications and documents	138,400
	1,466,300

MASS COMMUNICATION

Public information and liaison	221,800
Free flow of information, research	84,200
Means and techniques of communication	613,400
Staff	895,100
Publications and documents	243,500
	2,058,000

CULTURAL ACTIVITIES

Subventions	217,000
Exchange of information	62,700
International agreements, cultural relations	14,800
Unesco Library	13,650
Cultural traditions	151,900
Research and dissemination	217,200
Development of libraries and museums, reading materials	493,800
Staff	581,400
Publications and documents	168,500
	1,920,900
Major Project on Mutual Appreciation of eastern and western cultural values	478,000

INTERNATIONAL EXCHANGE SERVICE

Advisory services and promotion	25,900
Fellowships	11,600
Exchange of workers	110,700
Exchange of young people and teachers	40,200
Staff	286,400
Publications	35,400
	510,200

RELATIONS WITH MEMBER STATES

Assistance to National Commissions	90,500
Regional Office in the Western Hemisphere	76,500
Staff (including operation of Technical Assistance, Participation and other funds)	567,700
Publications	47,200
	781,900

OTHER MAJOR EXPENSES

General Conference	530,600
Executive Board	310,400
General Administration	1,747,600
Common Services	1,561,800

* In 1963 the UNESCO Budget was re-cast in an entirely new form. It will be printed in the next edition of "The World of Learning."

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CONSTITUTION

London, November 16th, 1945

The Governments of the States parties to this Constitution on behalf of their peoples declare:

That since wars begin in the minds of men, it is in the minds of men that the defences of peace must be constructed;

That ignorance of each other's ways and lives has been a common cause, throughout the history of mankind, of that suspicion and mistrust between the peoples of the world through which their differences have all too often broken into war;

That the great and terrible war which has now ended was a war made possible by the denial of the democratic principles of the dignity, equality, and mutual respect of men, and by the propagation, in their place, through ignorance and prejudice, of the doctrine of the inequality of men and races;

That the wide diffusion of culture, and the education of humanity for justice and liberty and peace are indispensable to the dignity of man and constitute a sacred duty which all the nations must fulfil in a spirit of mutual assistance and concern;

That a peace based exclusively upon the political and economic arrangements of governments would not be a peace which could secure the unanimous, lasting, and sincere support of the peoples of the world, and that the peace must therefore be founded, if it is not to fail, upon the intellectual and moral solidarity of mankind.

For these reasons, the States parties to this Constitution, believing in full and equal opportunities for education for all, in the unrestricted pursuit of objective truth, and in the free exchange of ideas and knowledge, are agreed and determined to develop and to increase the means of communication between their peoples and to employ these means for the purposes of mutual understanding and a truer and more perfect knowledge of each other's lives.

In consequence whereof they do hereby create the United Nations Educational, Scientific, and Cultural Organisation for the purpose of advancing, through the educational and scientific and cultural relations of the peoples of the world, the objectives of international peace and of the common welfare of mankind for which the United Nations Organisation was established and which its Charter proclaims.

Article I

Purposes and Functions

1. The purpose of the Organisation is to contribute to peace and security by promoting collaboration among the nations through education, science, and culture in order to further universal respect for justice, for the rule of law, and for the human rights and fundamental freedoms which are affirmed for the peoples of the world, without distinction of race, sex, language, or religion, by the Charter of the United Nations.

2. To realise this purpose the Organisation will:

(*a*) Collaborate in the work of advancing the mutual knowledge and understanding of peoples, through all means of mass communication, and to that end recommend such international agreements as may be necessary to promote the free flow of ideas by word and image;

(*b*) Give fresh impulse to popular education and to the spread of culture:

by collaborating with Members, at their request, in the development of educational activities;

by instituting collaboration among the nations to advance the ideal of equality of educational opportunity without regard to race, sex, or any distinctions, economic or social;

by suggesting educational methods best suited to prepare the children of the world for the responsibilities of freedom;

(*c*) Maintain, increase, and diffuse knowledge:

by assuring the conservation and protection of the world's inheritance of books, works of art, and monuments of history and science, and recommending to the nations concerned the necessary international conventions;

by encouraging co-operation among the nations in all branches of intellectual activity, including the international exchange of persons active in the fields of education, science, and culture and the exchange of publications, objects of artistic and scientific interest, and other materials of information;

by initiating methods of international co-operation calculated to give the people of all countries access to the printed and published materials produced by any of them.

3. With a view to preserving the independence, integrity, and fruitful diversity of the cultures and educational systems of the States Members of this Organisation, the Organisation is prohibited from intervening in matters which are essentially within their domestic jurisdiction.

Article II

Membership

1. Membership of the United Nations Organisation shall carry with it the right to membership of the United Nations Educational, Scientific, and Cultural Organisation.

2. Subject to the conditions of the agreement between this Organisation and the United Nations Organisation, approved pursuant to Article X of this Constitution, States not members of the United Nations Organisation may be admitted to membership of the Organisation, upon recommendation of the Executive Board, by a two-thirds majority vote of the General Conference.

3. Territories or groups of territories which are not responsible for the conduct of their international relations may be admitted as Associate Members by the General Conference by a two-thirds majority of Members present and voting, upon application made on behalf of such territory or group of territories by the Member or other authority having responsibility for their international relations. The nature and extent of the rights and obligations of Associate Members shall be determined by the General Conference.

4. Members of the Organisation which are suspended from the exercise of the rights and privileges of membership of the United Nations Organisation, shall, upon the request of the latter, be suspended from the rights and privileges of this Organisation.

5. Members of the Organisation which are expelled from the United Nations Organisation shall automatically cease to be members of this Organisation.

6. Any Member State or Associate Member of the Organisation may withdraw from the Organisation by notice addressed to the Director-General. Such notice shall take effect on December 31st of the year following that during which the notice was given. No such withdrawal shall affect the financial obligations owed to the Organisation

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on the date the withdrawal takes effect. Notice of withdrawal by an Associate Member shall be given on its behalf by the Member State or other authority having responsibility for its international relations.

Article III

Organs

The Organisation shall include a General Conference, an Executive Board, and a Secretariat.

Article IV

The General Conference

(*a*) *Composition*

1. The General Conference shall consist of the representatives of the States Members of the Organisation. The Government of each Member State shall appoint not more than five delegates, who shall be selected after consultation with the National Commission, if established, or with educational, scientific, and cultural bodies.

(*b*) *Functions*

2. The General Conference shall determine the policies and the main lines of work of the Organisation. It shall take decisions on programmes drawn up by the Executive Board.

3. The General Conference shall, when it deems it desirable, summon international conferences on education, the sciences, and humanities, and the dissemination of knowledge; non-governmental conferences on the same subjects may be summoned by the General Conference or by the Executive Board in accordance with such regulations.

4. The General Conference shall, in adopting proposals for submission to the Member States, distinguish between recommendations and international conventions submitted for their approval. In the former case a majority vote shall suffice; in the latter case a two-thirds majority shall be required. Each of the Member States shall submit recommendations or conventions to its competent authorities within a period of one year from the close of the session of the General Conference at which they were adopted.

5. Subject to the provisions of Article V, para. 5 (iii), the General Conference shall advise the United Nations Organisation on the educational, scientific, and cultural aspects of matters of concern to the latter, in accordance with the terms and procedure agreed upon between the appropriate authorities of the two Organisations.

6. The General Conference shall receive and consider the reports submitted periodically by Member States as provided by Article VIII.

7. The General Conference shall elect the members of the Executive Board, and, on the recommendation of the Board, shall appoint the Director-General.

(*c*) *Voting*

8. (i) Each Member State shall have one vote in the General Conference. Decisions shall be made by a simple majority except in cases in which a two-thirds majority is required by the provisions of this Constitution or of the Rules of Procedure of the General Conference. A majority shall be a majority of the Members present and voting.

(ii) A Member State shall have no vote in the General Conference if the total amount of contributions due from it exceeds the total amount of contributions payable by it for the current year and the immediately preceding calendar year.

(iii) The General Conference may nevertheless permit such a Member State to vote, if it is satisfied that the failure to pay is due to conditions beyond the control of the Member Nation.

(*d*) *Procedure*

9. (i) The General Conference shall meet in ordinary session every two years. It may meet in extraordinary session if it decides to do so itself or if summoned by the Executive Board, or on the demand of at least one-third of the Member States.

(ii) At each session the location of its next ordinary session shall be designated by the General Conference. The location of an extraordinary session shall be decided by the General Conference if the session is summoned by it, or otherwise by the Executive Board.

10. The General Conference shall adopt its own rules of procedure. It shall at each session elect a President and other officers.

11. The General Conference shall set up special and technical committees and such other subordinate bodies as may be necessary for its purposes.

12. The General Conference shall cause arrangements to be made for public access to meetings, subject to such regulations as it shall prescribe.

(*e*) *Observers*

13. The General Conference, on the recommendation of the Executive Board and by a two-thirds majority, may, subject to its rules of procedure, invite as observers at specified sessions of the Conference or of its commissions representatives of international organisations, such as those referred to in Article XI, paragraph 4.

14. When consultative arrangements have been approved by the Executive Board for such international non-governmental or semi-governmental organisations in the manner provided in Article XI, paragraph 4, those organisations shall be invited to send observers to sessions of the General Conference and its Commissions.

Article V

Executive Board

(*a*) *Composition*

1. The Executive Board shall be elected by the General Conference from among the delegates appointed by the Member States and shall consist of twenty-two members, each of whom shall represent the Government of the State of which he is a national. The President of the General Conference shall sit *ex officio* in an advisory capacity on the Executive Board.

2. In electing the members of the Executive Board the General Conference shall endeavour to include persons competent in the arts, the humanities, the sciences, education, and the diffusion of ideas, and qualified by their experience and capacity to fulfil the administrative and executive duties of the Board. It shall also have regard to the diversity of cultures and a balanced geographical distribution. Not more than one national of any Member State shall serve on the Board at any one time, the President of the Conference excepted.

3. Members of the Board shall serve from the close of the session of the General Conference which elected them until the close of the second ordinary session of the General Conference following that election. They shall be immediately eligible for a second term, but shall not serve consecutively for more than two terms. Half of the members of the Board shall be elected every two years.

4. In the event of the death or resignation of a member of the Executive Board, his replacement for the remainder of his term shall be appointed by the Executive Board on the nomination of the Government of the State the former represented. The Government making the nomination and the Executive Board shall have regard to the factors set forth in paragraph 2 of this Article.

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(*b*) *Functions*

5 (i) The Executive Board shall prepare the Agenda for the General Conference. It shall examine the programme of work for the Organisation and corresponding Budget Estimates submitted to it by the Director-General in accordance with paragraph 3 of Article VI and shall submit them with such recommendations as it considers desirable to the General Conference.

(ii) The Executive Board, acting under the authority of the General Conference, shall be responsible for the execution of the programme adopted by the Conference. In accordance with the decisions of the General Conference and having regard to circumstances arising between two ordinary sessions, the Executive Board shall take all necessary measures to ensure the effective and rational execution of the programme by the Director-General.

(iii) Between ordinary sessions of the General Conference, the Board may discharge the functions of adviser to the United Nations, set forth in Article IV, paragraph 5, whenever the problem upon which advice is sought has already been dealt with in principle by the Conference, or when the solution is implicit in decisions of the Conference.

6. The Executive Board shall recommend to the General Conference the admission of new Members to the Organisation.

7. Subject to decisions of the General Conference, the Executive Board shall adopt its own rules of procedure. It shall elect its officers from among its members.

8. The Executive Board shall meet in regular session at least twice a year and may meet in special session if convoked by the Chairman on his own initiative or upon the request of six members of the Board.

9. The Chairman of the Executive Board shall present, on behalf of the Board, to each ordinary session of the General Conference, with or without comments, the reports on the activities of the Organisation which the Director-General is required to prepare in accordance with the provisions of Article VI, 3*b*.

10. The Executive Board shall make all necessary arrangements to consult the representatives of international organisations or qualified persons concerned with questions within its competence.

11. Between sessions of the General Conference, the Executive Board may request advisory opinions from the International Court of Justice on legal questions arising within the field of the Organisation's activities.

12. Although the members of the Executive Board are representative of their respective Governments they shall exercise the powers delegated to them by the General Conference on behalf of the Conference as a whole.

The term of office of the members of the Executive Board during the eighth session of the General Conference shall end at the close of the eighth session of the General Conference. At the eighth session of the General Conference, twenty-two members shall be elected to the Executive Board pursuant to the provisions of this Article, of whom one-half shall retire at the close of the ninth session of the General Conference, the retiring members being chosen by the drawing of lots. Thereafter, eleven members shall be elected at each ordinary session of the General Conference.

Article VI

Secretariat

1. The Secretariat shall consist of a Director-General and such staff as may be required.

2. The Director-General shall be nominated by the Executive Board and appointed by the General Conference for a period of six years, under such conditions as the Conference may approve, and shall be eligible for reappointment. He shall be the chief administrative officer of the Organisation.

3. (*a*) The Director-General, or a deputy designated by him, shall participate, without the right to vote, in all meetings of the General Conference, of the Executive Board, and of the Committees of the Organisation. He shall formulate proposals for appropriate action by the Conference and the Board, and shall prepare for submission to the Board a draft programme of work for the Organisation with corresponding budget estimates.

(*b*) The Director-General shall prepare and communicate to Member States and to the Executive Board periodical reports on the activities of the Organisation. The General Conference shall determine the periods to be covered by these reports.

4. The Director-General shall appoint the staff of the Secretariat in accordance with staff regulations to be approved by the General Conference. Subject to the paramount consideration of securing the highest standards of integrity, efficiency, and technical competence, appointment to the staff shall be on as wide a geographical basis as possible.

5. The responsibilities of the Director-General and of the staff shall be exclusively international in character. In the discharge of their duties they shall not seek or receive instructions from any Government or from any authority external to the Organisation. They shall refrain from any action which might prejudice their position as international officials. Each State Member of the Organisation undertakes to respect the international character of the responsibilities of the Director-General and the staff, and not to seek to influence them in the discharge of their duties.

6. Nothing in this Article shall preclude the Organisation from entering into special arrangements within the United Nations Organisation for common services and staff and for the interchange of personnel.

Article VII

National Co-operating Bodies

1. Each Member State shall make such arrangements as suit its particular conditions for the purpose of associating its principal bodies interested in educational, scientific, and cultural matters with the work of the Organisation, preferably by the formation of a National Commission broadly representative of the Government and such bodies.

2. National Commissions or national co-operating bodies, where they exist, shall act in an advisory capacity to their respective delegations to the General Conference and to their Governments in matters relating to the Organisation, and shall function as agencies of liaison in all matters of interest to it.

3. The Organisation may, on the request of a Member State, delegate, either temporarily or permanently, a member of its Secretariat to serve on the National Commission of that State, in order to assist in the development of its work.

Article VIII

Reports by Member States

Each Member State shall report periodically to the Organisation, in a manner to be determined by the General Conference, on its laws, regulations, and statistics relating to educational, scientific, and cultural life and institutions, and on the action taken upon the recommendations and conventions referred to in Article IV, paragraph 4.

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Article IX

Budget

1. The budget shall be administered by the Organisation.

2. The General Conference shall approve and give final effect to the budget and to the apportionment of financial responsibility among the States Members of the Organisation subject to such arrangement with the United Nations as may be provided in the agreement to be entered into pursuant to Article X.

3. The Director-General, with the approval of the Executive Board, may receive gifts, bequests, and subventions directly from Governments, public and private institutions, associations, and private persons.

Article X

Relations with the United Nations Organisation

This Organisation shall be brought into relation with the United Nations Organisation, as soon as practicable, as one of the specialised agencies referred to in Article 57 of the Charter of the United Nations. This relationship shall be effected through an agreement with the United Nations Organisation under Article 63 of the Charter, which agreement shall be subject to the approval of the General Conference of this Organisation. The agreement shall provide for effective co-operation between the two Organisations in the pursuit of their common purposes, and at the tame time shall recognise the autonomy of this Organisasion within the fields of its competence as defined in this Constitution. Such agreement may, among other matters, provide for the approval and financing of the budget of the Organisation by the General Assembly of the United Nations.

Article XI

Relations with other Specialised International Organisations and Agencies

1. This Organisation may co-operate with other specialised inter-governmental organisations and agencies whose interests and activities are related to its purposes. To this end the Director-General, acting under the general authority of the Executive Board, may establish effective working relationships with such organisations and agencies and establish such joint committees as may be necessary to assure effective co-operation. Any formal arrangements entered into with such organisations or agencies shall be subject to the approval of the Executive Board.

2. Whenever the General Conference of this Organisation and the competent authorities of any other specialised inter-governmental organisations or agencies whose purposes and functions lie within the competence of this Organisation deem it desirable to effect a transfer of their resources and activities to this Organisation, the Director-General, subject to the approval of the Conference, may enter into mutually acceptable arrangements for this purpose.

3. This Organisation may make appropriate arrangements with other inter-governmental organisations for reciprocal representation at meetings.

4. The United Nations Educational, Scientific, and Cultural Organisation may make suitable arrangements for consultation and co-operation with non-governmental international organisations concerned with matters within its competence, and may invite them to undertake specific tasks. Such co-operation may also include appropriate participation by representatives of such organisations on advisory committees set up by the General Conference.

Article XII

Legal Status of the Organisation

The provisions of Articles 104 and 105 of the Charter of the United Nations Organisation concerning the legal status of that Organisation, its privileges, and immunities, shall apply in the same way to this Organisation.

Article XIII

Amendments

1. Proposals for amendments to this Constitution shall become effective upon receiving the approval of the General Conference by a two-thirds majority; provided, however, that those amendments which involve fundamental alterations in the aims of the Organisation or new obligations for the Member States shall require subsequent acceptance on the part of two-thirds of the Member States before they come into force. The draft texts of proposed amendments shall be communicated by the Director-General to the Member States at least six months in advance of their consideration by the General Conference.

2. The General Conference shall have power to adopt, by a two-thirds majority, rules of procedure for carrying out the provisions of this Article.

Article XIV

Interpretation

1. The English and French texts of this Constitution shall be regarded as equally authoritative.

2. Any question or dispute concerning the interpretation of this Constitution shall be referred for determination to the International Court of Justice or to an arbitral tribunal, as the General Conference may determine under its rules of procedure.

Article XV

Entry into Force

1. This Constitution shall be subject to acceptance. The instruments of acceptance shall be deposited with the Government of the United Kingdom.

2. This Constitution shall remain open for signature in the archives of the Government of the United Kingdom. Signature may take place either before or after the deposit of the instrument of acceptance. No acceptance shall be valid unless preceded or followed by signature.

3. This Constitution shall come into force when it has been accepted by twenty of its signatories. Subsequent acceptances shall take effect immediately.

4. The Government of the United Kingdom will inform all members of the United Nations of the receipt of all instruments of acceptance and of the date on which the Constitution comes into force in accordance with the preceding paragraph.

In faith whereof, the undersigned, duly authorised to that effect, have signed this Constitution in the English and French languages, both texts being equally authentic.

Done in London the sixteenth day of November, 1945, in a single copy, in the English and French languages, of which certified copies will be communicated by the Government of the United Kingdom to the Governments of all the Members of the United Nations.

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INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

International Council of Scientific Unions (*Conseil international des unions scientifiques*), via Sebenico, Rome, Italy.

The ICSU was founded in 1931, succeeding the International Research Council founded in 1919 to co-ordinate international efforts in the different branches of science and its applications; to initiate the formation of international associations or unions deemed to be useful to the progress of science; to enter into relations with the governments of the countries adhering to the Council in order to promote investigations falling within the competence of the Council. Adhering organisations represent 49 countries and 14 international unions. In December 1946 an agreement was signed between UNESCO and the ICSU recognising the latter as the co-ordinating and representative body of international scientific unions.

Bureau: Pres. Prof. S. Hörstadius (Sweden); Vice-Pres. Prof. W. A. Engelhardt (U.S.S.R.), Dr. S. Kaya (Japan); Retiring Pres. Sir Rudolph Peters (U.K.); Treas. Ing. Gén. G. R. Laclavère (France); Sec.-Gen. Prof. J. Van Mieghem (Belgium), Prof. F. R. Bacher (U.S.A.), and Dr. J. M. Harrison (Canada). Secretariat (address as above): Exec. Sec. Ing. A. E. Decae. Publs. *Year Book of the International Council of Scientific Unions, ICSU Review.*

REPRESENTATIVES OF INTERNATIONAL UNIONS

Astronomy:
Prof. V. A. Ambartsumian (U.S.S.R.).
Dr. D. H. Sadler (United Kingdom).

Geodesy and Geophysics:
Prof. V. V. Beloussov (U.S.S.R.).
Ing. Gén. G. R. Laclavère (France).

Pure and Applied Chemistry:
Dr. R. Morf (Switzerland).
Dr. D. C. Martin (United Kingdom).

Scientific Radio:
Dr. R. L. Smith-Rose (U.K.).

Pure and Applied Physics:
Prof. H. Bhabha (India).
Prof. P. Fleury (France).

Geography:
Prof. H. Boesch (Switzerland).
Prof. C. Troll (Germany).

Biological Sciences:
Prof. C. G. Hedén (Sweden).
Prof. I. Malek (Czechoslovakia).

Crystallography:
Prof. P. P. Ewald (U.S.A.).

Theoretical and Applied Mechanics:
Prof. G. Temple (United Kingdom).

History and Philosophy of Science:
Prof. R. Taton (France).

Mathematics:
Prof. K. Chandrasekharan (India).
Prof. G. de Rham (Switzerland).

Physiological Sciences:
Sir G. Lindor Brown (United Kingdom).

Biochemistry:
Prof. M. Florkin (Belgium).

Geological Sciences:
Prof. Th. Sorgenfrei (Denmark).
Dr. J. M. Harrison (Canada).

UNIONS FEDERATED TO THE ICSU

International Astronomical Union (*Union astronomique internationale*), Royal Greenwich Observatory, Herstmonceux Castle, Hailsham, Sussex, England; f. 1919. Object: To facilitate co-operation between the astronomers of various countries and to further the study of astronomy in all its branches; 42 countries are affiliated, there are 1,300 individual members. Its next General Assembly will be held in 1964 in Hamburg.

Pres. Prof. V. A. Ambartsumian (Pres. Academy of Sciences of the Armenian S.S.R., Erevan, Armenia); Sec.-Gen. D. H. Sadler (Royal Greenwich Observatory, Hailsham, Sussex, England). Publs. *Transactions of the International Astronomical Union* and *Symposia organised by the International Astronomical Union.*

International Geographical Union (IGU) (*Union géographique internationale*); f. 1923. Objects: To encourage the study of problems relating to geography, to promote and co-ordinate research requiring international co-operation, and to organise international congresses and commissions; 51 mem. countries.

Pres. Prof. C. Troll (Germany); Sec.-Treas. Prof. Hans Boesch, Freiestrasse 30, Zürich 32, Switzerland.

International Mathematical Union, Tata Institute of Fundamental Research, Colaba 5, Bombay, India, Business office: Eidgenössische Technische Hochschule, Zürich, Switzerland; f. 1952 by a convention of delegates of national committees representing 22 countries which met in New York. Objects: To promote international co-operation in mathematics; to support and assist the International Congress of Mathematicians and other international scientific meetings or conferences; to encourage and support other international mathematical activities considered likely to contribute to the development of mathematical science in any of its aspects—pure, applied, or educational; 38 mem. countries.

Exec. Cttee.: Pres. Prof. G. de Rham; Vice-Pres. H. Cartan, K. Kuratowski; Sec. K. Chandrasekharan; mems. J. C. Burkill, F. Hirzebruch, M. A. Lavrenbiev, D. Montgomery, B. Segre, R. Nevanlinna.

International Scientific Radio Union (*Union radio scientifique internationale*), 7 Place Emile Danco, Brussels 18; f. 1920 Objects: to develop scientific studies connected with radioelectricity, and especially (*a*) to promote and organise research necessitating international co-operation, and to facilitate the discussion and publication of the results of this research, and (*b*) to facilitate the establishment of common radio measurements and standards. There are 28 national committees.

Pres. Dr. R. L. Smith-Rose (U.K.); Sec.-Gen. E. Herbays (Brussels). Publs. *Proceedings of General Assemblies of the URSI, Information Bulletin* (bi-monthly), *Special Reports, Proceedings of Meetings of Mixed Commissions: (a) on the Ionosphere, (b) on Radio-Meteorology, Ionospheric Stations Manual.*

International Union of Biochemistry (*Union internationale de biochimie*), Secretariat: Dept. of Chemical Pathology, Guy's Hospital Medical School, London, S.E.1; f. 1955. Objects: (*a*) to encourage the continuance of a series of International Congresses of Biochemistry, (*b*) to promote international co-ordination of research, discussion and publication, (*c*) to organise a permanent co-operation between the societies representing biochemistry in

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the adherent countries, and (*d*) to contribute to the advancement of biochemistry in all its international aspects. Twenty-seven member countries. The last meeting of the Union took place in Moscow (August 1961).

Pres. Prof. S. OCHOA (U.S.A.); Treas. Prof. E. H. STOTZ (U.S.A.); Sec.-Gen. Prof. R. H. S. THOMPSON (Great Britain).

International Union of Biological Sciences (*Union internationale des sciences biologiques*); f. 1919. Object: The promotion of international co-operation in biology. Thirty-four countries are represented.

Pres. Prof. C. H. WADDINGTON; Sec.-Gen. Prof. G. L. STEBBINS, Dept. of Genetics, University of California, Davis, California, U.S.A.; Sec. Dr. R. ULRICH (France); Treas. Dr. J. LANJOUW (Netherlands). Publs. *News Letters, Index des Généticiens, Index des Zoologistes.*

International Union of Crystallography (*Union internationale de cristallographie*); f. 1947. Objects: To promote international co-operation in crystallography; to contribute to the advancement of crystallography in all its aspects, including related topics concerning the non-crystalline states; to facilitate international standardisation of methods, of units, of nomenclature and of symbols used in crystallography; and to form a focus for the relations of crystallography to other sciences, 26 member countries.

Pres. Prof. P. P. EWALD (U.S.A.); Gen. Sec. Dr. D. W. SMITS (Mathematical Institute, University of Groningen, Reitdiepskade 4, Groningen, Netherlands). Publs. *Acta Crystallographica* (monthly), *Structure Reports* (about one volume per annum), *International Tables for X-ray Crystallography, Fifty Years of X-ray Diffraction, World Directory of Crystallographers.*

International Union of Geodesy and Geophysics (*Union géodésique et géophysique internationale*), 140 rue de Grenelle, Paris 7, France; f. 1919. Objects: To promote the study of problems relating to the form and physics of the earth; to initiate, facilitate and co-ordinate research into, and investigation of, those problems of geodesy and geophysics which require international co-operation; to provide for discussion, comparison and publication. The Union is a federation of 7 associations representing Geodesy, Seismology and Physics of the Earth's Interior, Physical Oceanography, Volcanology, Scientific Hydrology, Meteorology and Atmospheric Physics, Geomagnetism and Aeronomy, which meet at the General Assemblies of the Union. In addition, there are Joint Committees of the various associations either among themselves or with other unions. The Union organises scientific meetings and also sponsors various permanent services, the object of which is to collect, analyse and publish geophysical data; 61 mem. countries.

Pres. V. V. BELOUSSOV (U.S.S.R.); Vice-Pres. J. BARTELS (Germany), J. KAPLAN (United States); Gen. Sec. G. LACLAVÈRE (France). Publs. *IUGG Chronicle* (monthly), *Geodetic Bulletin* (quarterly), *International Bibliography of Geodesy* (irregular), *International Seismological Summary* (yearly), *Bulletin Volcanologique* (6 monthly), *Bulletin mensuel du Bureau Central Sismologique* (monthly), *Bulletin de l'Association Internationale d'Hydrologie Scientifique* (quarterly), *International Bibliography of Hydrology, Catalogue des Volcans Actifs* (both irregular), texts of communications, *IUGG Monographs* (irregular).

International Union of Geological Sciences (*Union International des sciences géologiques*); f. 1961 as an offspring of the International Geological Congress; mems. from 48 countries.

Pres. J. M. HARRISON (Canada); Vice-Pres. I. I. GORSKI (U.S.S.R.), L. HAWKES (U.K.), T. KOBAYASHI (Japan), J. LOMBARD (France), B. C. ROY (India); Sec.-Gen. Prof. THEODOR SORGENFREI, Danmarks Geologiske Undersögelse, Tranegaardsvej 20, Hellerup, Denmark; Treas. J. A. DONS (Norway).

International Union of the History and Philosophy of Science (*Union internationale d'histoire et de philosophie des sciences*), 12 rue Colbert, Paris 2e, France; Division of Logic, Methodology and Philosophy of Science, Stanford University, Stanford, California, U.S.A.; f. 1954. Object: To act as a clearing-house for research into the history and philosophy of science and to assist directly the activities of UNESCO in this field.

Council: Pres. Prof. G. H. VON WRIGHT (Finland); Vice-Pres. Prof. V. RONCHI (Italy); Treas. Dr. D. A. WITTOP-KONING (Netherlands); Sec.-Gen. Dr. R. TATON (France). Publs. *Archives internationales d'histoire des sciences, Journal of Symbolic Logic.*

International Union of Physiological Sciences, c/o Prof. W. O. FENN, Medical Center, University of Rochester, Rochester 20, N.Y., U.S.A.; f. 1953 to encourage the series of International Congresses of Physiological Sciences (Physiology and Pharmacology); to promote further congresses; to take all action which will contribute to the development of physiological sciences; mems. national or regional physiological societies of 37 countries.

Pres. Sir LINDOR BROWN (England); Sec. Prof. W. O. FENN (U.S.A.).

International Union of Pure and Applied Chemistry (*Union internationale de chimie pure et appliquée*), Secretariat: c/o Hoffmann-Laroche & Co., S.A., Grenzacherstrasse 124, Basle 2, Switzerland; f. 1919. Object: To organise permanent co-operation between chemical associations in the member countries, to co-ordinate their scientific and technical methods and to contribute, notably by the convocation of conferences and congresses, to advancement in the whole field of chemistry. Thirty-six member countries.

Pres. W. A. NOYES, Jr. (U.S.A.); Gen. Sec. Dr. R. MORF (Switzerland); Hon. Treas. Sir E. CHARLES DODDS (Great Britain).

International Union of Pure and Applied Physics (*Union internationale de physique pure et appliquée*); f. 1922. Object: to promote and encourage international co-operation in physics. Thirty-four countries are affiliated.

Pres. Dr. H. J. BHABHA (India); Sec.-Gen. P. FLEURY (Institut d'Optique, 3 bd. Pasteur, Paris 15e, France).

International Union of Theoretical and Applied Mechanics (*Union internationale de mécanique théorique et appliquée*). The Union was created by a decision of the International Committee for the Congresses of Applied Mechanics at its meeting in Paris during the Sixth Congress, in September 1946. It formally came into existence on April 1st, 1947. The object of the Union is to form a link between persons and organisations engaged in scientific work (theoretical or experimental) in mechanics or in related sciences; to organise international meetings for subjects falling within this field; and to engage in other activities meant to promote the development of mechanics as a science; 25 mem. countries.

From November 1st, 1960 to October 31st, 1964 the Bureau of the Union consists of G. TEMPLE, Oxford (Pres.), F. K. G. ODQUIST, Stockholm (Vice-Pres.), Prof. MAURICE ROY, 55 Boulevard Malesherbes, Paris 8e, France (Sec.), W. T. KOITER, Delft (Treas.), and four other members.

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The Union is directed by its General Assembly, which is composed of representatives of the organisations adhering to the Union and of elected members.

Tasks which fall within the sphere of activities of two or more Unions have been undertaken by the following Special Committees set up by the ICSU:

Scientific Committee on Oceanic Research (SCOR): f. 1957 to further international scientific activity in all branches of oceanic research; as a first step in this programme SCOR is engaged with UNESCO on the International Indian Ocean Expedition, begun in 1962.

Secretariat: Dr. G. Böhnecke, Neuer Wall 34, 2 Hamburg 36, German Federal Republic.

Scientific Committee on Antarctic Research (SCAR): f. 1958 to continue the co-operative scientific exploration of Antarctica after the close of the International Geophysical Year (IGY). Mems. 12 countries.

Secretariat: Dr. G. de Q. Robin, Scott Polar Research Institute, Cambridge, England.

Committee on Space Research (COSPAR): f. 1958 to continue and foster, after the end of IGY, international co-operation in all sciences that make use of the new research tools of rockets and satellites.

Pres. Prof. Maurice Roy, 55 Boulevard Malesherbes, Paris 8e, France; Vice-Pres. Academician Blagonravov (U.S.S.R.), Dr. R. W. Porter (U.S.A.); Secretariat: P. J. Beaulieu, Exec. Sec., 55 Boulevard Malesherbes, Paris 8e, France.

International Geophysical Committee (*Comité international de géophysique—CIG*), 140 rue de Grenelle, Paris 7e; f. 1959 to continue the work of the International Geophysical Year in the following fields: Meteorology, Nuclear Radiation, Aeronomy, Geomagnetism, Aurora and Airglow, Solar Activity, Ionosphere, Cosmic Rays, Oceanography, Glaciology, Seismology, Paleogeophysics; to ensure the fullest exploitation of IGY and IGC data; to maintain the efficient functioning of the IGY World Data Centres; to encourage the discussion and utilisation of IGY and IGC 1959 results, and the publication of IGY and IGC results and bibliographies; to develop and co-ordinate international plans for the furtherance of international co-operation in geophysics and related sciences especially those of an interdisciplinary nature.

Hon. Pres. Prof. S. Chapman; Pres. Prof. W. Beynon (U.K.); Vice-Pres. V. V. Beloussov (U.S.S.R.), Dr. M. A. Pomerantz (U.S.A.), Prof. G. Righini (Italy); Gen. Sec. Ing. Gen. G. R. Laclavère, 140 rue de Grenelle, Paris 7, France.

ICSU Abstracting Board: f. 1949; facilitates the prompt publication of abstracts in Physics and Chemistry and Biology; co-operates with the Institute for Scientific Information of the Academy of Sciences of the U.S.S.R.

Secretariat: Mrs. J. Poyen, Gen. Sec. ICSU Abstracting Board, 17 rue Mirabeau, Paris 16e, France.

Federation of Astronomical and Geophysical Services (FAGS): f. 1956; federates the following Permanent Services: International Time Bureau, International Polar Motion Service, Permanent Service of Geomagnetic Indices, International Gravimetric Bureau, International Seismological Summary, Monthly Bulletin of the International Seismological Bureau, International Commission of Atmospheric Ozone, Quarterly Bulletin of Solar Activity, Permanent Service of Earth Tides, International Ursigram and World Day Service, Mean Sea-Level Service.

Pres. Prof. A. Danjon (France); Vice-Pres. Ing. E. Herbays (Belgium); Sec.-Gen. Ing. Gen. G. R. Laclavère (France), 140 rue de Grenelle, Paris 7, France. Publs. *Quarterly Bulletin of Solar Activity, International Seismological Summary, Tables of Geomagnetic Indices, Bulletin Mensuel du Bureau Central International de Séismologie, Bulletin Horaire*, etc.

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INTERNATIONAL COUNCIL FOR PHILOSOPHY AND HUMANISTIC STUDIES

International Council for Philosophy and Humanistic Studies, (ICPHS) (*Conseil international de la philosophie et des sciences humaines*); Headquarters: Palais des Académies, 1 rue Ducale, Brussels; Secretariat: Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1949 under the auspices of UNESCO to encourage respect for cultural autonomy by the comparative study of civilisation, to contribute towards international understanding through a better knowledge of man, to develop international co-operation in philosophy, humanistic and kindred studies, to encourage the setting up of international organisations, to promote the dissemination of information in these fields, to sponsor works of learning, etc. The Council is composed of 12 international non-governmental organisations listed below. These organisations represent 92 countries. In December 1951 an agreement was signed between UNESCO and ICPHS recognising the latter as the co-ordinating and representative body of organisations in the field of philosophy and humanistic studies.

Pres. Charles E. Odegaard (U.S.A.); Vice-Pres. F. Battaglia (Italy), Silvio Zavala (Mexico), K. Kumaniecki (Poland), T. Yamamoto (Japan); Sec.-Gen. R Syme (New Zealand); Treas. H. Hahnloser (Switzerland); Deputy Sec.-Gen. J. d'Ormesson. Publs. *Bulletin of Information* (biennally), *Diogenes* (quarterly).

Unions Federated to the ICPHS

International Academic Union (*Union académique internationale*); f. October 15th, 1919, by representatives of academic institutions from 23 states of Europe, America and Asia. Object: to promote international co-operation through collective research in philology, archaeology, moral history and political and social sciences. Affiliated countries: Australia, Austria, Belgium, Canada, Czechoslovakia, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, Italy, Japan, Mexico, The Netherlands, Norway, Poland, Rumania, Spain, Sweden, Switzerland, U.S.A., and Yugoslavia.

Pres. Prof. Rensselaer Lee (U.S.A.); Admin. Sec. Ch. Manneback, Académie Royale de Belgique, Palais des Académies, 1 rue Ducale, Brussels. Publs. Dictionaries of International Law and Medieval Latin, *Monumenta Musicae Bysantinae*, Indexes and Concordance of Muslim Tradition, Historical Documents concerning Japan, *Corpus Vasorum Antiquorum*, etc.

International Association for the History of Religions (*Association internationale pour l'histoire des religions*); f. 1950 by the 7th International Congress for the Study of the History of Religions. Object: to promote the study of the history of religions through the international collaboration of all scholars whose research has a bearing on the subject, to organise congresses and to stimulate the production of works. Thirteen member countries.

Pres. G. Widengren, Uppsala; Sec.-Gen. C. J. Bleeker, 290 Churchill-laan, Amsterdam Z, The Netherlands.

International Committee for Historical Sciences (*Comité international des sciences historiques*), Archives Cantonales, Lausanne, Switzerland; f. 1926; int. congresses since 1903 to work for the advancement of historical sciences by means of international co-ordination. Mems. in 36 countries. General assembly every two or three years.

Pres. F. H. Schmid (Austria); Sec.-Gen. Michel François (France), 270 Boulevard Raspail, Paris 14e. Publs. Congress Reports, *Bulletin d'Information* (1953-61), *Bibliographie Internationale des Sciences Historiques* (1926-39, 1946-59), *World List of Historical Periodicals and Bibliographies, Bibliographie des travaux parus en Mélanges*, Vol. I, 1885-1939, *Bibliographie de la Réforme, Histoire des Assemblées d'Etat, Répertoire des sources de l'Histoire des Mouvements Sociaux, Guia de las Personas que cultivan la Historia de America, Repertorium der diplomatischen Vertreter aller Länder, Excerpta Historica Nordica.*

International Committee on the History of Art (*Comité international d'histoire de l'art*), 3 rue Michelet, Paris 6e, France; f. 1930 by the 12th International Congress on the History of Art. Object: collaboration in the scientific study of the history of art. Mems. in 26 countries. International congress every three years.

Pres. Prof. Millard Meiss (U.S.A.); Sec.-Gen. André Chastel, Sorbonne, Paris, France; Publs. *Répertoire d'Art et d'Archéologie* (annually), *Fichier documentaire de l'Histoire de l'Art, Dictionnaire international d'Art et d'Archéologie, Corpus internationaux des peintures murales et des vitraux du Moyen Age.*

International Federation of the Societies of Classical Studies (*Fédération internationale des associations d'études classiques*), c/o Mlle J. Ernst, 11 avenue du Parc Montsouris, Paris 14e, France; f. 1948 under the auspices of UNESCO. Objects: to encourage research concerning the ancient civilisations of Greece and Rome; to group the main national associations so engaged; to ensure collaboration with relevant international organisations. Mems.: in 26 countries; affiliated bodies include the International Society for Classical Bibliography, International Society for Classical Archæology, International Society for Byzantine Studies, International Association of Papyrologists, Unione internazionale degli Istituti di Archeologia, Storia e Storia dell' Arte in Roma.

Pres. Prof. P. Romanelli (Italy); Sec. Mlle J. Ernst (Switzerland). Publs. *L'Année Philologique, Fasti Archaeologici*, other bibliographies, dictionaries, reference works, *Thesaurus Linguae Latinae, Thesaurus Linguae Graecae, Oxyrhynchus Papyri, Lustrum.*

International Federation of Modern Languages and Literatures (*Fédération internationale des langues et littératures modernes*), St. Catharine's College, Cambridge, England; f. 1928 as the International Committee on Modern Literary History; changed to its present form in 1951. Objects: to establish permanent contact between historians of literature, to develop or perfect facilities for their work and to promote the study of the history of modern literature. Eleven member associations, with members in 71 countries. Congress every three years.

Pres. 1960-63 A. C. Baugh (Pennsylvania); Sec.-Gen. S. C. Aston (Gt. Britain). Publs. *Répertoire Chronologique des littératures modernes, Acts of the Triennial Congresses.*

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International Federation of Societies of Philosophy (*Fédération internationale des sociétés de philosophie*); f. 1948 under the auspices of UNESCO. Object: to encourage international co-operation in the field of philosophy, and to promote congresses, symposia and publications. Thirty-eight member countries.

Pres. Felice Battaglia (Italy); Sec.-Gen. Chaim Perelman, 32 rue de la Pêcherie, Uccle, Brussels, Belgium. Publs. An international bibliography of philosophy, *Husserliana, Chroniques de Philosophie, Dictionary of Basic Terms of Philosophy and Political Thought*, etc.

International Musicological Society (*Société internationale de musicologie*); f. 1927. Object: to promote musicological research, to encourage study in this field and to co-ordinate the work of musicologists throughout the world. Forty member countries.

Pres. Donald J. Grout (U.S.A.); Vice-Pres. Fr. Blume (Germany); Sec.-Gen. Ernst Mohr, 25 Passwangstrasse, Basle, Switzerland. Publs. An international Repertory of Musical Sources, *Acta Musicologica, Documenta Musicologica.*

International Permanent Committee of Linguists (*Comité international permanent des linguistes*); f. 1928. Object: to work for the advancement of linguistics throughout the world and to encourage international co-operation in this field. Eighteen member countries.

Pres. A. Sommerfelt (Norway); Sec.-Gen. Christine Mohrmann, 40 Sint Annastraat, Nijmegen, The Netherlands. Publs. *An International Bibliography of Linguistics, Onoma, Linguistic Atlas, a Linguistic Encyclopaedia*, etc.

International Union of Anthropological and Ethnological Sciences (*Union internationale des sciences anthropologiques et ethnologiques*); f. 1948 under the auspices of UNESCO. Object: to foster co-operation among anthropological and ethnological institutions. Fifty-two member countries (138 societies or institutes).

Pres. Prof. H. Vallois (France); Sec.-Gen. Prof. P. Bosch-Gimpera, Callejón de Olivo 84-4, Colonia Agricola, Mexico City, D.F., Mexico. Publ. *Bulletin of the International Committee on Urgent Anthropological and Ethnological Research.*

International Union of Orientalists (*Union internationale des orientalistes*); f. 1951 by the 22nd International Congress of Orientalists under the auspices of UNESCO. Object: to promote contacts between orientalists throughout the world, and to organise congresses, research and publications. Twenty-six member countries.

Pres. Prof. Georg Morgenstierne (Norway); Sec.-Gen. Helmuth Scheel, 2 Geschwister-Scholl-strasse, Mainz 22b, Germany. Publs. Four oriental bibliographies, *Acts* (of the Congresses), *Philologiae Turcicae Fundamenta, Materialien zum Sumerischen Lexikon, Sanskrit Dictionary, Corpus Inscriptionum Iranicarum, Linguistic Atlas of Iran, Wörterbuch der klassischen Arabischen Sprache, Mogul Literature.*

International Union of Prehistoric and Protohistoric Sciences (*Union internationale des sciences préhistoriques et protohistoriques*); f. 1931. Object: to promote congresses and scientific work in the fields of Pre- and Protohistory. Seventy-nine member countries.

Pres. J. Filip (Czechoslovakia); Sec.-Gen. S. J. De Laet, 2 Blandijenberg, Ghent, Belgium. Publs. *Inventaria archeologica, Glossarium archaeologicum, Bibliographie annuelle de la Pierre taillée*, etc.

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OTHER INTERNATIONAL ORGANISATIONS

AGRICULTURE

Food and Agriculture Organisation of the United Nations (*Organisation des Nations Unies pour l'Alimentation et l'Agriculture*), Viale delle Terme di Caracalla, Rome, Italy; f. 1945. Objects: To raise levels of nutrition and living standards, improve production and distribution of food and agricultural products (taking agriculture to include forestry and fisheries), and better the conditions of rural populations. The functions of FAO are advisory and consultative, and include the collection and dissemination of information on food and agriculture, and the encouragement of technical advances in relation to nutritional needs; provision of expert advisers to governments requesting such assistance, and fellowships for training technicians. Mems.: Governments of 88 countries; over 2,200 expert assignments and over 2,200 fellowships had been operated under the technical assistance programme.

Dir.-Gen. B. R. Sen (India); Deputy Dir.-Gen. N. C. Wright (U.K.). Publs. *The State of Food and Agriculture* (annually), *The Second World Food Survey* (1952), *Millions Still Go Hungry*, an appraisal of FAO's twelve years' work; Yearbooks of Trade and Production in Agriculture, Forestry and Fisheries, and many specialised technical studies and periodicals.

Dairy Society International (DSI) (*Société internationale laitière*), 1145 19th Street, N.W., Washington 6, D.C., U.S.A.; f. 1946 to foster the extension of dairy and dairy industrial enterprise internationally through an interchange and dissemination of scientific, technological, economic, dietary and other relevant information and through a bringing together of persons and entities devoted thereto; organiser and sponsor of the first World Congress for Milk Utilisation.

Pres. Lyman D. McKee (U.S.A.); Vice-Pres. John H. Bryant (Australia), Alvie J. Claxton (U.S.A.), Maurice Macari (France), Mitsugi Sato (Japan); Man. Dir. George W. Weigold (U.S.A.); Sec. Gordon T. Jeffers (U.S.A.). Publs. *D.S.I. Report to Members*, *D.S.I. Bulletin* (both approx. quarterly), *Market Frontier News*, and booklets on dairying in English and Spanish.

European Confederation of Agriculture (*Confédération Européenne de l'Agriculture*), Brugg, Aargau, Switzerland; f. 1889 as International Confederation of Agriculture, re-formed in 1948 as European Confederation of Agriculture; represents the interests of European agriculture in the international field; 418 ordinary and 63 advisory mems. from 20 countries.

Pres. Count Dr. A. Zappi-Recordati (Rome); Gen. Sec. Dr. M. Collaud; Hon. Pres. and Founder Prof. E. Laur; Hon. Pres. Dr. Dr. h.c. A. Hermes. Publs. *Bulletin d'Information CEA*, *Rapport sur le marché international du lait et des produits laitiers* (quarterly); publs. on current technical, economic, social and cultural problems affecting European agriculture, Annual Report on the General Assembly: 10 *années Confédération Européene de l'Agriculture*.

Inter-American Institute of Agricultural Sciences (*Instituto Interamericano de Ciencias Agricolas*), Secretariat: Apto. 4359, San José, Costa Rica; Headquarters at Turrialba, Costa Rica; f. 1944; a specialised agency of the Organisation of the American States (OAS). Objects: the advancement of agriculture through research, education and services. The Institute is concerned with problems of plant and animal production, socio-economic development, and the growth of national institutions; it directs the Technical Co-operation Programme of the OAS through Regional Offices: Southern Zone (Montevideo, Uruguay), Andean Zone (Lima, Peru), and Northern Zone (Havana, Cuba). An Agricultural Credit Center with offices in Mexico has been set up; library of 85,000 vols. and 1,200 periodicals.

Dir.-Gen. Ing. Armando Samper Gnecco; Technical Affairs Officer Ing. Carlos Madrid; Exec. Officer and Treas. Don L. Shurtleff; Official Relations Officer Rogelio Coto Monge; Dir. Planning Office Dr. José Marull. Publs. *Turrialba* (quarterly), *Information Bulletin* (quarterly in English, monthly in Spanish), *Cacao* (quarterly in Spanish and English), *Coffee* (quarterly in Spanish and English), *Extension in the Americas* (bi-monthly publication on extension studies), *Communications on Agricultural Research* (in Latin America), annual and monthly reports, special scientific papers.

Attached Institute

Tropical Center for Research and Graduate Teaching in the Biological Sciences; Turrialba.

Director and Dean: Dr. Gordon Havord.
Registrar: Ing. Gerardo Naranjo.
Librarian: María Dolores Malugani.
Plant Industry: Dr. Eddie Echandi.
Animal Industry: Dr. Jorge de Alba.
Extension and Economics: Dr. Joseph di Franco.
Forestry: Dr. Gerardo Budowski.
Administrative Services: Karel A. Hallebeek.

International Centre for Advanced Mediterranean Agronomic Studies, Secretariat: OECD, 2 rue André-Pascal, Paris XVIe; comprises two institutes:

The Mediterranean Agronomic Institute of Bari; Dir. Prof. Del Prete, Facolta Agraria, Università di Bari, Bari, Italy.

The Mediterranean Agronomic Institute of Montpellier; Dir. M. Buchet, L'Institut des Hautes Etudes Agronomiques Méditerranéennes, route de Mende, Montpellier (Hérault), France.

International Commission of Agricultural Engineering (*Commission internationale du génie rural*), 15 Avenue du Maine, Paris 15e, France. Mem. associations from 9 countries, individual mems. from 10 countries.

Pres. M. Aranda (Spain) *a.i.*; Sec.-Gen. M. Carlier (France).

International Commission of Agricultural Industries (*Commission internationale des industries agricoles*), 18 avenue de Villars, Paris 7e, France; 50 avenue Crozet, Geneva, Switzerland; 38 boulevard Regent, Brussels, Belgium; and Ministerio de l'Agricultura, Atocha 1, Madrid; f. 1934. Objects: To co-ordinate international activities which concern agricultural and food in-

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dustries; to assemble scientific, technical and economic documentation for these industries; to organise periodical international congresses for agricultural and food industries; 48 mem. states; library of about 40,000 vols.

Sec.-Gen. HENRY FRANÇOIS DUPONT. Publs. *International Review of Agricultural Industries* (monthly), *Industries Agricoles et Alimentaires* (monthly), *Annales des Falsifications et de l'Expertise Chimique* (monthly), *Comptes Rendus des Congrès Internationaux des Industries Agricoles* (every two years).

International Committee for Biological Control (*Commission internationale de lutte biologique contre les ennemis des cultures*), Dept. of Entomology, Swiss Federal Institute of Technology, Zürich, Switzerland; f. 1955 to promote and co-ordinate research on the more effective biological control of insects and plants harmful to agriculture. Mems.: government departments, institutions and individuals in Belgium, France, Germany, Greece, Italy, Iran, Lebanon, Morocco, Netherlands, Portugal Overseas, Spain, Switzerland, Syria, Tunisia, Yugoslavia.

Pres. Prof. A. S. BALACHOWSKY (France); Sec.-Gen. Dr. P. GRISON (France); Treas. Prof. P. BOVEY (Switzerland).

International Confederation of Technical Agriculturists (*Confédération internationale des techniciens agronomes*), Beethovenstrasse 24, Zürich; Technical H.Q., Via Barberini 86, Rome; f. 1930. Objects: To promote and develop relations between agricultural technicians of different countries for the purpose of mutual protection and assistance and for the co-ordination of their efforts in matters of mutual concern and in agricultural questions. Forty countries are represented in the Federation.

Pres. ERNEST FEISST (Switzerland); Gen. Sec. Prof. FRANCO ANGELINI (Italy).

International Association of Agricultural Economists (*Conférence internationale des économistes agricoles*), Admin. Block C.B.C., Yarner, Dartington, near Totnes, Devon, England; f. 1929 to foster development of the sciences of agricultural economics and further the application of the results of economic investigation of agricultural processes and agricultural organisation in the improvement of economic and social conditions relating to agricultural and rural life.

Founder Pres. L. K. ELMHIRST; Pres. Prof. NILS WESTERMARCK (Finland); Vice-Pres. Prof. EDGAR THOMAS; Hon. Sec. J. R. CURRIE (also Area Sec., Europe); Area Sec. (India and Far East) Prof. D. G. KARVE; Gen. Sec. and Treas. J. ACKERMAN (U.S.A.). Publs. *Proceedings of Conferences, International Journal of Agrarian Affairs.*

International Dairy Federation (*Fédération internationale de laiterie*), 10 rue Ortélius, Brussels 4, Belgium; f. 1903 to link all dairy associations in order to encourage the solution of scientific, technical and economic problems affecting the dairy industry. Mems.: national committees in 29 countries.

Pres. Prof. A. M. GUERAULT (France); Sec.-Gen. P. F. J. STAAL (Netherlands).

International Federation of Agricultural Producers, Room 401, Barr Bldg., 910 Seventeenth Street, N.W., Washington 6, D.C., U.S.A.; and 1 rue d'Hauteville, Paris X, France; f. 1946. Objects: To promote the well-being of all who obtain their livelihood from the land and to assure to them adequate and stable remuneration; to promote exchange of information and ideas; to encourage efficiency of production, processing, and marketing of agricultural commodities; to advise and assist FAO on matters affecting the interests and welfare of agricultural primary producers. Farmers' organisations of 32 countries are represented in the Federation.

Pres. B. W. BIESHEUVEL (Netherlands); Sec.-Gen. ROGER SAVARY (France).

International Office of Epizootic Diseases (*Office international des epizootics*), 12 rue de Prony, Paris 17e; f. 1924. Objects: To co-ordinate international research on infectious diseases in animals, to collect and bring to the knowledge of member governments facts and documents on the subject, and to study international agreements and suggest means of putting them into effect; the Committee consists of one permanent delegate from each of the 61 member countries.

Dir. RENÉ VITTOZ (France). Publs. *Bulletin, Statistiques.*

International Seed Testing Association (*Association Internationale d'essais de semences*), Market Quality Research Division, U.S. Dept. of Agriculture, Beltsville, Md., U.S.A.; f. 1924. Aims: to promote uniformity in the testing and judgment of seeds, through research and by organising triennial congresses and periodical training courses. Mems.: 36 countries.

Pres. Dr. O. L. JUSTICE (U.S.A.); Hon. Sec.-Treas. Dr. A. F. SCHOOREL (Binnenhaven 1, Wageningen, Netherlands). Publs. *Proceedings of the International Seed Testing Association, I.S.T.A. News Bulletin.*

International Society of Soil Science (*Association internationale de la science du sol*), c/o Royal Tropical Institute, 63 Mauritskade, Amsterdam, Netherlands; f. 1924 to study and promote soil science. Mems.: individuals and associations engaged in the study of soil science.

Pres. Prof. C. N. CERNESCU (Rumania); Sec.-Gen. Prof. Dr. F. A. VAN BAREN. Publ. *Bulletin* (twice a year).

International Standing Committee on Physiology and Pathology of Animal Reproduction and of Artificial Insemination (*Comité permanent international de physiologie et pathologie de la reproduction animale et la fécondation artificielle*), Via Monte Ortigara 35, Milan, Italy; f. 1948; an international standing committee was appointed after the first congress in Milan in 1948; the Fifth International Congress is to be held at Trento, Italy, September 1964.

Pres. Dr. THEUNISSEN STEGENGA (Netherlands); Sec.-Gen. Prof. T. BONADONNA (Italy).

International Union of Forest Research Organisations (*Union internationale des instituts de recherches forestières*), Forstliche Forschungsanstalt, Amalienstrasse 52/11, Munich 13, Germany; f. 1891; reorganised 1929 and 1948. Object: International co-operation in the various branches of forest research and forest sciences. Membership: 152 member organisations in 53 countries, including forestry experimental stations, research institutes, etc.

Pres. Prof. Dr. J. SPEER (Germany); Publ. *Annual Report*, and Congress Proceedings, scientific papers.

International Veterinary Federation of Zootechnics (*Fédération internationale vétérinaire de zootechnie*), c/o Sociedad Veterinaria de Zootecnía, Isabel la Católica 12, Madrid, Spain. Membership: Veterinary specialists from 30 countries.

Pres. of Exec. Cttee. Prof. A. DE VUYST (Belgium); Sec.-Gen. Prof. Dr. CARLOS LUIS DE CUENCA (Spain). Publ. *Zootechnia* (quarterly).

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ARTS

Congress for Cultural Freedom (*Congrès pour la liberté de la culture*), 104 Boulevard Haussmann, Paris 8e, France; f. 1950 for the defence of intellectual liberties against all encroachments on the creative and critical spirit of man; international, non-governmental, financed by grants from educational and cultural foundations and from individuals. National Committees in 18 countries; regional offices in Latin America (Santiago de Chile) and Asia (New Delhi). In co-operation with educational bodies, conferences are held dealing with aspects of the subject of tradition and change.

Chair. DENIS DE ROUGEMONT (Switzerland); Gen. Sec. NICOLAS NABOKOV (U.S.A.). Publs. reviews: *Preuves* (monthly in France), *Encounter* (monthly in England), *Forum* (monthly in Austria), *Cuadernos* (Spanish, bi-monthly in France), *Quest* (quarterly in Australia), *Soviet Survey* (quarterly in England), *Kulturkontakt* (bi-monthly in Sweden), *Science and Freedom Bulletin* (several times a year in England), *Tempo Presente* (monthly in Italy), *Der Monat* (monthly in Germany), *Perspektiv* (monthly in Denmark), *Examen* (bi-monthly in Mexico), *Cadernos Brasileiros* (quarterly in Brazil).

Council for Cultural Co-operation, Council of Europe, Avenue de l'Europe, Strasbourg, France; f. 1962; to draw up and realise the educational, scientific and cultural programme of the Council of Europe; 19 member countries; comparison of university curricula, university expansion and reform, modern language teaching, comparative studies in primary and secondary schooling, teacher training, pupil guidance, civics, audio-visual aids for teaching, development of adult education, training of youth leaders, European youth centres and camps, physical education, European art exhibitions, educational travelling exhibitions, award of European prizes and research fellowships, student exchanges and university teachers' interchange. An educational documentation centre has been created.

Chair. (1963) CARL IVERSEN, Rector of the University of Copenhagen (Denmark); Vice-Chair. STEPHAN HESSEL, Dir. at the Ministry of Education (France). Publs. Series *Education in Europe*: many titles; *Annual report CCC 1962*; Under CCC auspices: Series *Folklore*, Vol. I: *Folktales*; Translations from the lesser-known European languages; Theses by fellowship-holders; Art volumes and catalogues.

European Community of Writers (*Comunità Europea degli Scrittori*), Via dei Sansovino 6, Rome, Italy; f. 1960; to promote closer collaboration between European authors in professional, moral and practical problems. Mems.: 1,240 individuals from 26 European countries.

Pres. GIUSEPPE UNGARETTI; Sec.-Gen. GIANCARLO VIGORELLI. Publ. *Bollettino*.

European Cultural Foundation (*Fondation Européenne de la Culture*), Singel 542, Amsterdam; f. 1954; to develop and maintain among European populations a feeling of mutual understanding by the encouragement of cultural and educational activities; the Foundation awards prizes and bursaries.

Pres. H.R.H. Prince BERNHARD of the Netherlands; Dirs. Cdr. The Hon. G. G. R. RODD, G. SLUIZER. Publ. *Character and Culture of Europe* (4 languages).

European Society of Culture (*Société Européenne de Culture*), Piazza San Marco 52, Venice, Italy; f. 1950 to unite artists, poets, scientists, philosophers and others through mutual interests and friendship in order to safeguard and improve the conditions required for creative activity. Mems.: 1,300. Library of 10,000 volumes.

Pres. Prof. GIOVANNI PONTI (Italy); Sec.-Gen. Prof. UMBERTO CAMPANGOLO (Italy). Publ. *Comprendre* (3 a year).

International Amateur Theatre Association, 159 rue de. Laeken, Brussels; f. 1952; members in 31 states; composed of national federation and other groups.

Pres. MARIO FEDERICI (Italy); Sec. DANIEL SERWY (Belgium).

International Association of Art Critics (*Association Internationale des Critiques d'Art*), Palais du Louvre, Pavillon de Marsan, 107 rue de Rivoli, Paris, 1er; f. 1948 to promote international co-operation in the world of plastic arts (painting, sculpture, graphic arts, architecture); admitted to the consultative statutes of UNESCO in 1951; 617 full mems. and 39 National Sections.

Pres. JAMES JOHNSON SWEENEY (U.S.A.); Gen.-Sec. Mme. S. GILLE-DELAFON (France); Treas. ROBERT L. DELEVOY (Belgium). Publs. Reports of General Assemblies, *Archivi del Futurismo* (*Archives of Contemporary Art*).

International Association of Plastic Arts (*Association internationale des arts plastiques*), UNESCO Annex, 6 rue Franklin, Paris 16e, France; f. 1954; over 50 national committees.

Sec.-Gen. BERTO LARDERA (Italy).

International Centre for the Study of the Preservation and Restoration of Cultural Property, 256 Via Cavour, Rome; f. 1957; assembles documentation of the efforts already made throughout the world to co-ordinate research and proffer advice; stimulates the training of specialists; by means of funds voted by UNESCO and by the 31 supporting Countries a programme of work, documentation, publications and travel, is being realised.

Dir. Dr. H. J. PLENDERLEITH; Dep. Dir. Prof. PAUL PHILIPPOT.

International Centre of Films for Children (*Centre International du Film pour la jeunesse*): 241 rue Royale, Brussels 3, Belgium; f. 1957; a clearing house of information about entertainment films (cinema and television) for children all over the world; 15 full mems., 19 founder assoc. mems. and affiliated assoc. mems.;

Chair. (Vacant); Sec.-Gen. JOSEPH TOUSSAINT (Belgium). Publs. *Bulletin* (bi-monthly), *News*.

International Committee of Film Education and Culture (*Comité international du cinéma d'enseignement et de la culture*), 18 rue Marboeuf, Paris 8e, France; f. 1930 to promote the creation and release of educational, cultural and documentary films and other films of educational value in order to contribute to closer understanding between peoples; awards medals and prizes for films of exceptional merit. Mems.: national committees in Belgium, Brazil, France, Germany, Italy, Monaco, Portugal, Spain, Uruguay.

Pres. ARMAND TOUCHE; Sec.-Gen. NICOLAS PILLAT (France). Publ. *Le cinéma d'enseignement et culturel*.

International Committee on the History of Art (*Comité internationale d'histoire de l'art*), 8 Cité Vaneau, Paris 7e, France; f. 1930 by the 12th International Congress

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on the History of Art. Object: collaboration in the scientific study of the history of art. Mems. in 26 countries. International congress every three years.

Pres. MARCEL AUBERT (France); Sec.-Gen. Prof. HANS R. HAHNLOSER, Kollerweg 9, Berne, Switzerland. Publs. *Répertoire d'Art et d'Archéologie* (annually), *Fichier documentaire de l'Histoire de l'Art, Dictionnaire international d'Art et d'Archéologie, Inventaire international des peintures murales et des vitraux du Moyen Age.*

International Comparative Literature Association (*Association internationale de littérature comparée*), Institut de littératures modernes comparées, 17 rue de la Sorbonne, Paris 5e, France; f. 1954 to work for the development of the comparative study of literature in modern languages. Member societies and individuals in 16 countries. Mems. in Europe, 180.

Pres. W. A. P. SMIT (Netherlands), RENÉ WELLCK (U.S.A.); Secs.-Gen. F. JOST (Switzerland), Cysatstrasse 3, Lucerne, Switzerland and H. BLOCK (U.S.A.), 99 Randall Avenue, Freeport, N.Y., U.S.A.

International Council of Museums (ICOM), UNESCO House, Place de Fontenoy, Paris 7e, France; f. 1946. A professional organisation, open to all members of the museum profession, set up to provide an appropriate organisation to further international co-operation among museums, and to be the co-ordinating and representative international body furthering museum interests. In each of the fifty-eight countries belonging to ICOM a National Committee on International Co-operation among Museums has been organised, each as widely representative as possible of museum interests. The presidents of these national committees form the Advisory Board of ICOM. There are twenty-seven international committees on specialised subjects.

Pres. Sir PHILIP HENDY, Dir. The National Gallery, London; Vice-Pres. Sir TRENCHARD COX (United Kingdom), J. J. RORIMER (U.S.A.), A. SEFRIOUI (Morocco), A. I. ZANOSKIN (U.S.S.R.); Treas. M. DAUMAS (France); Chair. Advisory Board A. F. E. VAN SCHENDEL (Netherlands); Dir. GEORGES-HENRI RIVIÈRE. Publ. *ICOM News* (every two months).

International Federation for Theatre Research (*Fédération internationale pour la recherche théâtrale*), 22 Buckingham Gate, London, S.W.1, England; f. 1955 by 21 countries at the International Conference on Theatre History, London. Next meeting, London, 1964.

Chair. F. S. VAN THIENEN; Joint Secs.-Gen. Mlle. ROSE-MARIE MOUDOUES (France), IFAN KYRLE FLETCHER (U.K.).

International Film and Television Council (*Conseil International du Cinéma et de la Télévision*): Via Santa Susanna 17, Rome (Headquarters), 26 Avenue de Ségur, Paris (Secretariat); f. 1958; seeks to provide a link of information and joint action between member-organisations, and to assist them in the international work they do in films and television. Mems. about 45 international associations and federations.

Pres. JOHN MADDISON (U.K.); Hon. Sec. MARIO VERDONE (Italy); Treas. M. JEAN JAY (France). Publs. *Écrans du Monde* (half-yearly in French and English), *Calendrier des événements internationaux du cinéma et de la télévision* (annually in French and English).

International Institute for Conservation of Historic and Artistic Works (*Institut International pour la Conservation des Objets d'Art et d'Histoire*), c/o The National Gallery, Trafalgar Square, London, W.C.2; f. 1950. Aims: to provide a permanent organisation for co-ordinating and improving the knowledge, methods and working standards needed to protect and preserve precious materials of all kinds. Gives information in research into all processes connected with conservation, both scientific and technical, and on the development of those processes. Mems.: 850 individual, 130 institutional members.

Pres. A. VAN SCHENDEL; Sec.-Gen. N. S. BROMMELLE; Treas. A. E. WERNER. Publs. *Studies in Conservation* (quarterly), *Abstracts of the Technical Literature on Archaeology and the Fine Arts* (twice a year), *IIC News* (twice a year).

International Literary and Artistic Association (*Association littéraire et artistique internationale*), 117 Bd. Saint Germain, Paris, France; f. 1878 at Congress of Paris, presided over by Victor Hugo. Objects: The protection of the rights and interests of writers and artists of all lands; extension of copyright conventions, etc. The Association has national groups in Belgium, Denmark, the German Federal Republic, Greece, Italy, Monaco, the Netherlands, Norway, Portugal, Sweden and Switzerland and members in Great Britain, Luxembourg, Turkey, Japan, Argentina, Egypt, U.S.A. and Uruguay.

Pres. MARCEL BOUTET; Perm. Sec. JEAN VILBOIS, 133 Avenue de Suffren, Paris 7e, France.

International Theatre Institute (*Institut international du théâtre*), UNESCO Annex, 6 rue Franklin, Paris 16e, France; f. 1948 to facilitate cultural exchanges and international understanding in the domain of the theatre; study fellowships, conferences, publications, arrangement of tours, etc. Mems.: 46 member nations, each with an ITI centre; regional centre established 1959 in Santiago, Chile, known as the Latin-American Theatre Institute.

Pres. VINCENZO TORRACA (Italy); Sec.-Gen. JEAN DARCANTE (France). Publs. *World Premières* (*Créations Mondiales*), monthly; *World Theatre* (*Le Théâtre dans le Monde*), quarterly.

International Union of Amateur Cinema (*Union internationale du cinéma d'amateurs*), 50 bvd. Frère-Orban, Liège, Belgium; f. 1937 to encourage development of art, techniques and critical judgment among amateurs, to facilitate contacts between national associations and to promote the exchange of films. Mems.: national federations in 24 countries.

Pres. GARY GRUBER (Austria); Sec.-Gen. J. H. FAUCONNIER (Belgium).

International Union of Architects (*Union internationale des architectes*), 15 quai Malaquais, Paris 6, France; f. 1948. Members in 60 countries.

Pres. Sir ROBERT MATTHEW (U.K.); Gen. Sec. PIERRE VAGO. Publ. *Bulletin d'information* (6 a year).

P.E.N. (*A World Association of Writers*), 62-63 Glebe Place, London, S.W.3; f. 1921 by Mrs. Dawson-Scott under the presidency of John Galsworthy to promote co-operation between writers all over the world in the interests of literature, freedom of expression and international goodwill. Over seventy autonomous centres throughout the world, with total membership about 7,500.

International Pres. VICTOR E. VAN VRIESLAND; Gen. Sec. DAVID CARVER. Publs. *P.E.N. News* (London Centre), *New Poems* (annual), *Bulletin of Selected Books* (in English and French, with the assistance of UNESCO), various regional bulletins, etc.

World Academy of Art and Science, *see under* International—Science.

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BIBLIOGRAPHY

Belgian International Exchange Service (*Service belge des échanges internationaux*), 5 rue de la Régence, Brussels; was originally organised in 1871 by the Department of Sciences and Arts as the Royal Exchange Commission (*Commission Royale des Echanges Internationaux*). Object: To maintain the regular exchange of documents and to serve as an intermediary between scientific societies, etc., in accordance with the Brussels Conventions of March 15th, 1886, and bilateral agreements.

Dir. J. DARGENT.

Centre International de Documentation Concernant les Expressions Plastiques (CIDEP), Fondation Singer-Polignac; f. 1963.

Dir. Dr. C. WIART, 1 Rue Cabanis, Paris 14e, France.

Centre International de Documentation Economique et Sociale Africaine (*International Centre for African Economic and Social Documentation*), 42 rue du Commerce, Brussels 4, Belgium; f. 1961; international co-ordination of economic and social documentation concerning Africa, to facilitate research; 70 member institutions.

Pres. Dr. G. JANTZEN; Vice-Pres. J. MEYRIAT; Sec.-Gen. J. B. CUYVERS. Publ. bibliographical index-cards.

European Translations Centre (ETC), Doelenstraat 101, Delft, The Netherlands; f. 1960; an international organisation which collects copies of translations made by European industries and scientific institutes in the field of science and technology; the material consists mainly of translations from the Slav languages into a Western language; it maintains a pool of its translations and gives information on translations available elsewhere; it exchanges its material with the Office of Technical Services (OTS), Dept. of Commerce, Washington, D.C., U.S.A. and together they publish the titles of articles translated in *Technical Translations*; total number of translations: 30,000.

Pres. H. L. TVETERAS (Norway); Vice-Pres. J. GARRIDO (France); Sec.-Gen. Dr. L. J. VAN DER WOLK (The Netherlands); Dir. of Centre G. A. HAMEL.

International Association for the Development of Libraries in Africa, B.P. 166, Saint-Louis, Senegal.

Sec. EMMANUEL N. DADZIE.

International Association of Agricultural Librarians and Documentalists (*Association Internationale des Bibliothécaires et Documentalistes Agricoles*), Forschungsrat für Ernährung, Landwirtschaft und Forsten, Heerstr. 110, Bad Godesberg, Germany; f. 1955. Objects: to promote, internationally and nationally, agricultural library science and documentation, as well as the professional interests of agricultural librarians and documentalists. The Association has 700 members, representing 60 countries, and is affiliated to the International Federation of Library Associations and to the Fédération Internationale de Documentation.

Pres. F. E. MOHRHARDT (U.S.A.); Vice-Pres. Dr. S. VON FRAUENDORFER (Austria); Vice-Pres. D. KERVÉGANT (France); Sec. Dr. H. D. GRIESAU (Germany); Treas. T. P. LOOSJES (Netherlands). Publs. *Quarterly Bulletin, World Agricultural Economics Abstracts,* and *Rural Sociology, World Directory of Agricultural Libraries and Documentation Centres.*

International Association for Mass Communication Research (*Association internationale des études et recherches sur l'information*), 27 rue Saint-Guillaume, Paris 7e, France; f. 1957 to disseminate information on teaching and research in mass media, to establish a documentation and research service, to promote contacts between national organisations, and to encourage the improvement of training for journalism. Member organisations and individuals in 30 countries.

Pres. FERNAND TERROU (France).

International Association of Music Libraries (*Association internationale des bibliothèques musicales*), 16 Ständeplatz, Kassel, Germany; f. 1953 to facilitate co-operation between music libraries, compile music bibliographies, and to promote the professional training of music librarians. Mems.: national associations and individuals in 37 countries.

Pres. VLADIMIR FÉDERON (France); Sec.-Gen. Dr. HARALD HECKMANN (Germany). Publ. *Fontes artis musicae* (every six months).

International Association of Technical University Libraries (*Association internationale des bibliothèques d'universités polytechniques*), Bibliothek der Technischen Hochschule, Am Welfengarten 1, Hanover, Germany; f. 1955 to promote co-operation between member libraries and conduct research on library problems. Mems.: technical university libraries in Australia, Austria, Canada, Denmark, England, Finland, France, Germany, Holland, Israel, Italy, Sweden, Switzerland, Turkey, U.S.A.

Pres. Dr. E. HEMLIN (Sweden); Sec. Dr. W. GRUNWALD (Germany).

International Bureau of Fiscal Documentation, Muiderpoort Building, Amsterdam, Netherlands; an independent organisation, f. 1938 to supply information on fiscal law and its application; specialised library on international taxation.

Pres. Prof. Dr. H. J. HELLEMA; Managing Dir. J. VAN HOORN, Jr. Publs. *Bulletin for International Fiscal Documentation* (bi-monthly) in English and French, *European Taxation,* fortnightly review of European tax laws and problems (in English).

International Committee for Social Sciences Documentation (*Comité international pour la documentation des sciences sociales*), 27 rue Saint-Guillaume, Paris 7e, France; f. 1950 to collect and disseminate information on documentation services in social sciences, help improve documentation, advise societies on problems of documentation and to draw up rules likely to improve the presentation of all documents. Members from international associations specialising in social sciences or in documentation, and from other specialised fields.

Pres. HENRY J. DUBESTER (U.S.A.); Sec.-Gen. JEAN MEYRIAT (France). Publ. *International Political Science Abstracts* (quarterly), *International Social Science Bibliographies* (annual, four series), and occasional bibliographies, directories and reports.

International Council on Archives (*Conseil international des archives*), 2 Place de Fontenoy, Paris 7e, France; f. 1948. Mems. 260 from 61 countries.

Pres. INGVAR ANDERSSON (Sweden); Gen. Sec. ROBERT H. BAHMER (U.S.A.). GUSTAVE VAUCHER (Switzerland).

International Federation for Documentation (*Fédération internationale de documentation*), 7 Hofweg, The Hague, Netherlands; f. 1895 to bring together at the international level and to co-ordinate the activities of

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organisations and individuals concerned with documentation; 33 National mems., 9 International mems., 2 Special mems., 105 Assoc. mems. in 34 countries. Study Cttees.: Universal Decimal Classification; classification research; technical information services for industry; linguistic problems, mechanised storage and retrieval; medical documentation; training of documentalists.

Gen. Sec. Dr. J. E. HUMBLET. Publs. *Revue internationale de la Documentation* (quarterly), *FID News Bulletin* (monthly), *Universal Decimal Classification* (in 14 languages), *Index Bibliographicus, Directory of Photocopying and Microcopying Services, Library and Documentation Journals, Bibliography of Standards on Documentation, FID Yearbook, Studies on Classification, Bibliography of Directories of Sources of Information, Outline of a Long-term Policy of the Federation, Modern Documentation and Information Practices, Handbuch der Klassifikation, Handbuch der Reprographie, Guide to the UDC.*

International Federation of Film Archives (*Fédération internationale des archives du films*), 38 Avenue des Ternes, Paris 17e, France; f. 1938 to facilitate co-operation between cinema archives and museums, and to preserve works of cinematographic value; maintains an international film and documentation library, print and circulation pool; conducts technical research. Members in 21 countries.

Pres. JERZY TOEPLITZ (Poland); Sec.-Gen. JACQUES LEDOUX (Belgium).

International Federation of Library Associations (*Fédération internationale des associations de bibliothécaires*), c/o Bavarian State Library, Ludwigstrasse 16, Munich, Germany; f. 1928. Object: To promote international library co-operation. Mems.: 87 associations, representing 52 countries and 4 international associations.

Pres. Dr. G. HOFFMANN; Sec. A. THOMPSON; Treas. Dr. A. C. BREYCHA-VAUTHIER (Chief Librarian, United Nations, Geneva). Publs. *Actes du conseil de la FIAB, IFLA News, Répertoire des associations membres, Libraries in the World*, etc.

ECONOMICS, POLITICAL SCIENCE AND SOCIOLOGY

International Labour Organisation (ILO), Geneva, Switzerland; f. 1919, became Specialised Agency of UN in 1946; aims to build a code of international labour law and practice, is concerned with the safety, health and social security of workers and provides technical experts where needed by member countries. Mems.: 108 countries.

Dir.-Gen. DAVID A. MORSE; Deputy Dir.-Gen. JEF RENS (Belgium). Publs. *International Labour Review* (monthly), *Industry and Labour* (fortnightly), *Yearbook of Labour Statistics*, studies and reports.

Two organisations set up by ILO are referred to below: the International Institute for Labour Studies and the International Vocational Training Information and Research Centre (CIRF).

Academy of Human Rights: Dunkelallee 1, Karlsruhe, Germany; f. 1950 by the International Union for Cultural Co-operation (since dissolved); aims to develop and strengthen the idea of human rights and obligations by a basic scientific approach, by public education and legal consultation. Mems.: 315 individuals in 65 countries.

Sec.-Gen. GOTTHARD M. TEUTSCH (Germany). Publs. *Handbook on Human Rights* and Working Papers.

Econometric Society, Box 1264 Yale Station, New Haven, Conn.; f. 1930 to promote studies that aim at a unification of the theoretical-quantitative and the empirical-quantitative approach to economic problems; 1,600 mems.

Sec. RICHARD RUGGLES (U.S.A.); Treas. MIS. NANCY RUGGLES. Publ. *Econometrica* (quarterly).

European Centre for Population Studies (*Centre européen d'études de population*), 23 avenue Franklin D. Roosevelt, Paris 8e, France; f. 1953 to conduct research and provide information on European population problems. Mems.: representatives from Austria, Belgium, Denmark, Finland, France, Federal German Republic, Great Britain, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Yugoslavia.

Pres. Dr. PHILIP J. IDENBURG (Netherlands); Sec.-Gen. and Treas. ROGER PELTIER (France).

Hansard Society for Parliamentary Government, 162 Buckingham Palace Road, London, S.W.1; f. 1944, present title adopted 1956. Aims to provide parliamentary government in all parts of the world; maintains a library and information service, conducts research work, and educational work in school, publishes books on parliamentary institutions. Mems. in 56 countries.

Chair. Sir EDWARD FELLOWES (Great Britain); Sec. EDWARD MACALESTER (Great Britain). Publ. *Parliamentary Affairs* (quarterly).

Institute of Pacific Relations, University of British Columbia, Vancouver, Canada; f. 1925 to conduct non-governmental research and discussion on political, social and economic problems of Asian and Pacific countries. Mems.: autonomous national councils in 13 countries.

Chair. Prof. HAROLD M. FISHER (U.S.A.); Sec.-Gen. and Editor WILLIAM L. HOLLAND; budget $42,000 approx. (1959). Publ. *Pacific Affairs* (quarterly; circ. 3,500).

International Academy of Political Science and Constitutional History (*Académie Internationale de science politique et d'histoire constitutionelle*); f. 1936; scientific studies of constitutional and parliamentary history; full and associate members (total 100) from 37 countries.

Pres. L. JULLIOT DE LA MORANDIÉRE (France); Sec.-Gen. Prof. G. S. LANGROD (France), 88 Boulevard Pereire, Paris 17e. Publs. *Revue d'Histoire Politique et Constitutionnelle* (1937-40), *Revue Internationale d'Histoire Politique et Constitutionnelle* (1951-1959), *Politique* (Revue internationale des Doctrines et des Institutions).

International African Institute (IAI) (*Institut international africain*), 10-11 Fetter Lane, Fleet Street, London, E.C.4; f. 1926; information centre on African ethnology, linguistics and social studies; conducts research programmes and stimulates production of literature in African languages. Mems.: individuals in 78 countries.

Chair. Gouveneur A. MOELLER DE LADDERSOUS (Belgium); Admin. Dir. Prof. DARYLL FORDE (U.K.). Publs. *Africa, African Abstracts* (quarterly) and numerous monographs.

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International Association for Social Progress (IASP) (*Association internationale pour le progrès social*), 205 boulevard St. Germain, Paris, 7e; f. 1924; conducts research on social questions and stimulates public opinion in favour of social reforms. Mems.: national associations in 12 countries.

Pres. HENRI FAUGÈRE, Conseiller d'Etat, Paris; Sec.-Gen. ARMAND BRICTEUX (Belgium). Publ. *Bulletin d'information* (periodical).

International Association of Schools of Social Work, 345 East 46th Street, New York 17, N.Y.; f. 1929 to provide international leadership and encourage high standards in social work education. Mems.: 284 schools of social work in 41 countries and associations of schools in 12 countries.

Pres. Dr. EILEEN L. YOUNGHUSBAND (United Kingdom); Sec. Dr. KATHERINE A. KENDALL (U.S.A.). Publs. *International Social Work* (quarterly), *Directory of Members and Proceedings of Congresses* (every two years).

International Commission for a History of the Scientific and Cultural Development of Mankind (*Commission internationale pour une histoire du développement scientifique et culturel de l'humanité*), UNESCO House, Place de Fontenoy, Paris 7e; f. 1951; aims to compile and publish a history of the scientific and cultural development of mankind, in accordance with the decisions of the UNESCO General Conference. Mems.: 27 from 22 countries, 108 corresponding members from 45 countries.

Pres. PAULO E. DE BERRÊDO CARNEIRO (Brazil), Sec.-Gen. GUY S. MÉTRAUX (Switzerland). Publs. *Journal of World History* (quarterly) in English, French, Spanish, *History of Mankind: Cultural and Scientific Development.*

International Commission for the History of Representative and Parliamentary Institutions (*Commission internationale pour l'histoire des assemblées d'états*), 83 Cholmley Gardens, Fortune Green Road, London, N.W.6; f. 1936; to encourage research on the origin and history of representative and parliamentary institutions. Mems.: individuals in 26 countries.

Pres. E. LOUSSE (Belgium); Sec. H. KOENIGSBERGER (U.K.). Publ. *Reports.*

International Conference of Social Work, 345 East 46th Street, New York 17, N.Y.; f. 1928 to provide an international forum for the discussion of social work, social welfare and related issues. Mems.: 36 countries.

Pres. LESTER B. GRANGER (U.S.A.); Sec.-Gen. JOE R. HOFFER (U.S.A.). Publs. *National Committee Bulletin* (quarterly), *International Social Work* (quarterly).

International Council for Research in the Sociology of Co-operation (*Conseil international pour la recherche en sociologie de la co-operation*), 18 avenue Hoche, Paris 8e, France; f. 1953 to promote research on the sociology of co-operation, establish contacts between research specialists in the different countries and encourage the publication of results of research; affiliated centres in four countries carry out research; plan development of libraries and documentation centres, and projects for regional development. Mems.: national research centres and individuals in 10 countries:

Pres. HENDRIK F. INFIELD (U.S.A.).

International Economic Association (*Association internationale des sciences économiques*), 12 place du Panthéon, Paris 5e, France; f. 1949 to promote international collaboration for the advancement of economic knowledge and develop personal contacts between economists, and to encourage provision of means for the dissemination of economic knowledge. Member associations in 31 countries.

Pres. E. A. G. ROBINSON (United Kingdom); Treas. F. NEUMARK (Germany); Sec.-Gen. L. FAUVEL (France).

International Federation of Business and Professional Women (*Fédération Internationale des Femmes de carrières Libérales et Commerciales*), H.Q.: Beaux-Arts Hotel, 307 East 44th Street, New York 17, U.S.A.; f. 1930. Objects: to promote the interests of business and professional women, including the use of the specialised knowledge and economic and technical skill of business and professional women in the promotion and support of the programmes and activities of world government organisations; about 300,000 mems.

Pres. Miss ELIZABETH FELLER (Switzerland); 1st Vice-Pres. Miss RUTH TOMLINSON (United Kingdom); Hon. Sec. Miss DORIS SMART (United Kingdom); Gen. Sec. Mrs. VERA CAMPBELL (U.S.A.). Publ. *Widening Horizons* (six a year).

International Fiscal Association, c/o Nationale Handelsbank Building, 250 Singel, Amsterdam-C, Netherlands; f. 1938 to study international and comparative public finance and fiscal law, especially taxation. Members in 45 countries and national branches in 18 of these.

Sec.-Gen. Dr. K. H. DRONKERS (Netherlands).

International Institute for Labour Studies, c/o International Labour Office, Geneva; f. 1960; to further a better understanding of labour problems in all countries, and of the methods for their solution. Seminars and study courses for persons drawn from management, trade unions, governments, universities and the professions, who have already acquired some experience with labour problems; research; discussions among persons with experience; disseminating information.

Dir. H. A. MARQUAND.

International Institute for Ligurian Studies (*Institut international d'études ligures*), Museo Bicknell, 17*bis* Via Romana, Bordighera, Italy; f. 1947 to conduct research on ancient monuments and regional traditions in the north-west arc of the Mediterranean. Library of 35,000 vols. Members in France, Italy, Spain, Switzerland.

Pres. LOUIS NOTARI (Monaco); Dir. NINO LAMBOGLIA (Italy).

International Institute for Sociology (*Institut international de sociologie*), 10 via Delle Terme di Diocleziano, Rome, Italy; f. 1893. Aims: to enable sociologists to meet and study sociological questions. Mems.: 500 representing 53 countries.

Pres. C. GINI (Italy); Vice-Pres. G. BOUTHOUL (France), A. POVINA (Argentina); Acting Gen. Sec. P. CRESPI (Italy). Publ. *Revue de l'Institut International de Sociologie.*

International Institute of Administrative Sciences (*Institut international des sciences administratives*), 25 rue de la Charité, Brussels 4, Belgium; f. 1930; Objects: comparative examination of administrative experience in the various countries; research and programmes for improving administrative law and practices and for technical assistance. Mems.: 39 mem. states, 33 National Sections, corporate and individual members; library 4,000 vols.; consultative status with UN and UNESCO.

Pres. HERBERT EMMERICH (U.S.A.); Dir.-Gen. P. A. SCHILLINGS (Belgium); publs. *International Review of Administrative Sciences* (quarterly), reports, bibliographies.

International Institute of Differing Civilisations (*Institut International des Civilisations Différentes*), 11 Boulevard

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de Waterloo, Brussels; f. 1894; to study and diffuse information on problems created by contacts between peoples of differing civilisations and by the evolution of the new countries, from a political, economical, social, legal and cultural point of view. International study sessions every two years: comparative studies on problems relative to the evolution of the new countries. Mems. in 41 countries.

Pres. S. E. M. GASPARE AMBROSINI (Italy); Vice-Pres. Dr. WOLFGANG POHLE (German Federal Republic), M. MOELLER DE LADDERSOUS (Belgium), Commodore SARMENTO RODRIGUEZ (Portugal); Dep. Sec.-Gen. Compte PIERRE DE BREY (Belgium). Publs. *Reports, Civilisations* (quarterly).

International Institute of Philosophy—IIP (*Institut international de philosophie—IIP*), 173 bvd. Saint-Germain, Paris 6e, France; f. 1937. Aims: to link philosophers and to establish collaboration between them; to encourage the exchange of professors; to become the world centre for documentation and information. Mems.: 100 in 35 countries.

Pres. THADÉE KOTARBINSKI (Poland); Vice-Pres. HERBERT W. SCHNEIDER (U.S.A.) and JEAN WAHL (France); Sec.-Gen. ALEXANDRE KOYRE (France); Admin. Sec. HENRY DUMERY (France).

International Numismatic Commission (*Commission internationale de numismatique*), c/o Schweizerisches Landesmuseum, Zürich; f. 1936 to facilitate co-operation between scholars in the sphere of numismatics. Mems.: national organisations in 22 countries.

International Political Science Association (IPSA) (*Association Internationale de Science Politique*), 27 rue Saint-Guillaume, Paris 7e, France; f. 1949; encourages national associations throughout the world, undertakes research and documentation, holds yearly round-table conferences and triennial congresses. Mems.: national associations in 26 countries, 60 associates, 500 individuals.

Pres. D. N. CHESTER (U.K.); Sec.-Gen. S. HURTIG (France). Publs. *International Political Science Abstracts, International Bibliography of Political Science, IPSA Circular Letter*, books.

International Social Science Council (ISSC) (*Conseil international des sciences sociales—CISS*), Unesco House—Annex, 6 rue Franklin, Paris 16e, France; f. 1952. Aims: the advancement of the social sciences throughout the world and their application to the major problems of the present day. Its major task is to promote research projects of an inter-disciplinary and international nature; mems. from 17 States.

Pres. Prof. S. GROENMAN (Netherlands); Vice-Pres. Dr. P. HERRING (U.S.A.); Treas. Prof. D. FORDE (U.K.); Sec.-Gen. Dr. K. SZCZERBA-LIKIERNIK. Publ. *Information* (quarterly bulletin in English and French).

International Society of Criminology (*Société internationale de criminologie*), 28 avenue de Friedland, Paris 8e, France; f. 1934. Object: To promote the development of the sciences in their application to the criminal phenomenon; 500 mems.

Pres. THORSTEN SELLIN (U.S.A.); Treas. JEAN CHAZAL (France); Gen. Sec. JEAN PINATEL (France).

International Society of Social Defence (*Société internationale de défense sociale*), 28 rue Saint-Guillaume, Paris 7e, France; f. 1945, present title adopted 1949. Aims: to combat crime, to protect society and to prevent citizens from being tempted to commit criminal action. Mems.: Legal experts, doctors and sociologists in 37 countries.

Pres. FILIPPO GRAMATICA (Italy); Sec.-Gen. J. CHAZAL (France); Treas. YVONNE MARX (France). Publ. *Bulletin de la Société internationale de défense sociale* (annually).

International Sociological Association (*Association Internationale de Sociologie*), 116 rue des Flamands, Louvain, Belgium; f. 1949; aims to promote sociological research, to develop personal contacts among the sociologists of all countries and to ensure the exchange of sociological information. To attain its aims the I.S.A. has established 8 research sub-committees on Family Sociology, Industrial Sociology, Mass Communication, Political Sociology, Psychiatric Sociology, Social Stratification and Mobility, Sociology of Religion and Urban and Rural Sociology; holds triennial World Congresses, the Fourth at Milan-Stresa in 1959. Mems.: represent 57 countries, including 35 National and Regional Associations.

Pres. Prof. T. H. MARSHALL (U.K.); Vice-Presidents Prof. Dr. RENÉ KÖNIG (Germany); Prof. D. P. MUKERJI (India); Prof. S. OSSOWSKI; Sec.-Gen. Prof. P. DE BIE. Publs. *Current Sociology, La Sociologie Contemporaine.*

International Union for the Scientific Study of Population (*Union internationale pour l'étude scientifique de la population*), 29 Quay Branly, Paris 7e, France; to advance the progress of quantitative and qualitative demography as a science. Mems.: over 500 scientists in 60 countries.

Pres. A. SAUVY (France); Sec.-Treas. B. BENJAMIN (U.K.); Admin. Dir. M. CROZE (France). Publs. *Le Démographe* (periodical), *Problems in African Demography*, etc.

International Union of Orientalists (*Union internationale des orientalistes—UIO*), f. 1951; to maintain the widest possible permanent liaison between specialists from all countries in the Eastern civilisations. Mems.: national organisations in 22 countries.

Pres. Prof. MORGENSTIERNE (Norway); Sec.-Gen. Prof. H. SCHEEL, Gesch. Schollstrasse 2, Mainz 22B, Germany. Publs. *Corpus Inscriptionum Iranicarum, Lexicographie arabe, Dictionnaire du Sanscrit, Lexicographie Sumérienne.*

International Union of Prehistoric and Protohistoric Sciences (*Union internationale des sciences pré-et protohistoriques*), Seminarie voor Archeologie, Blandynberg 2, Ghent, Belgium; f. 1931. Aims: to convene International Congresses, publish scientific works, organise excavations. Mems.: 150 members of the Permanent Council representing 79 countries.

Chair. Prof. J. FILIP (Czechoslovakia); Gen. Sec. Prof. S. J. DE LAET (Belgium). Publs. Proceedings of every international congress.

International Vocational Training Information and Research Centre (CIRF), c/o The International Labour Office (ILO), Geneva, Switzerland; f. 1961; aims to become an international clearing house for information on organisation, methods, programmes and means of vocational training for workers, supervisors and technicians; functions under the General Directorate of the ILO and uses its library.

Head of Centre: SVEN GRABE. Publs. *Training for Progress* (quarterly bulletin in French and English), *CIRF Monographs, CIRF Legislation, CIRF Abstracts.*

World Association for Public Opinion Research, c/o Mlle HÉLÈNE RIFFAULT, 20 rue d'Aumale, Paris 9e, France; f. 1947 to promote understanding among the peoples of the world by encouraging honest, accurate and useful surveys of their opinions, knowledge, behaviour, needs, hopes, fears and ideals; and to promote internationally the interests of the public opinion research profession. Mems.: individuals in 34 countries.

Pres. K. G. VON STACKELBERG (Germany); Sec.-Treas. HÉLÈNE RIFFAULT (France).

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World Parliament Association (*Association pour un parlement mondial*), 2 Manchester Square, London, W.1; f. 1951 to abolish war and secure permanent world peace by the creation of a World Parliament and Executive, International Courts of Justice with compulsory jurisdiction and a world police force to enforce world laws. The Association has already obtained from the British, Swiss, Italian and Pakistan Governments a statement of complete support for the Association's policy. Mems.: groups of M.P.s and other individuals in 30 countries.

Pres. The Rt. Hon. Lord SILKIN (Great Britain); Hon. Pres. The Rt. Hon. Earl ATTLEE, K.G., D.M., C.H., Lord BOYD ORR, M. EDGAR FAURE; Pres. of Council GILBERT MCALLISTER (Great Britain). Publ. *World* (quarterly).

EDUCATION

Association of European Study Institutes (*Association des instituts d'études européennes*), Centre Européen de la Culture, 122 rue de Lausanne, Geneva, Switzerland; f. 1951 to co-ordinate activities of member institutes in teaching and research, exchange information, provide a centre for documentation. Nineteen member institutes in Austria, Belgium, France, Germany, Italy and Spain.

Pres. Prof. YVES SÉGUILLON (France); Sec.-Gen. DUSAN SIDJANSKI. Publ. *Bulletin intérieur* (bi-monthly).

Association of Southeast Asian Institutions of Higher Learning, f. 1956; to promote the economic, cultural and social welfare of the people of Southeast Asia by means of educational co-operation and research programmes; mems. 27 university institutions.

Pres. Col. Dr. SJARIF THAJEB, Pres. of Univ. of Indonesia, Djakarta; Exec. Sec. Prof. H.H. Prince PREM PURACHATRA, Chulalongkorn University, Bangkok, Thailand.

Association of Universities of the British Commonwealth, Gen. Office: 36 Gordon Square, London, W.C.1; Office for Commonwealth Scholarships and Appointments: Marlborough House, Pall Mall, London, S.W.1; f. 1912 to act as a liaison office and information bureau for the universities in the Commonwealth; its functions include help, when required, in the selection of candidates for certain overseas academic vacancies, and the provision of the secretariat for the U.K. Commonwealth Scholarship Commission; it also provides the secretariat for the Cttee. of Vice-Chancellors and Principals of the Universities of the United Kingdom and for the Marshall Aid Commemoration Commission. It organises quinquennial Congresses and smaller meetings in intervening years; the (ninth) Jubilee Congress of the Association is to be held in London in 1963.

Chair. K. J. MAIDMENT, M.A.; Vice-Chair. Sir DOUGLAS LOGAN, M.A., D.PHIL., D.C.L., LL.D.; Sec. J. F. FOSTER, M.A., LL.D.; publs. *Commonwealth Universities Yearbook, Reports of Proceedings of Congresses of the Universities of the Commonwealth* (quinquennial), *Reports of Proceedings of Conferences of the Home Universities* (annual), *Higher Education in the United Kingdom: A Handbook for Students from Overseas* (in conjunction with the British Council).

College of Europe (*Collège d'Europe*): Dyver 11, Bruges, Belgium; f. 1949. Objects: The study of the political, economic, social and cultural problems presented by the union of Europe; the creation of groups of young Europeans who mean to work actively for the European idea in the fields of diplomacy, international organisations, public service, education, journalism, etc.

Rector HENRY BRUGMANS (Utrecht); Admin. Officer J. DRAPIER (Brussels). Publ. *Les Cahiers de Bruges.*

Committee for Higher Education and Research (*Comité de l'Enseignement Supérieur et de la Recherche*), c/o Council of Europe, Strasbourg, France; f. 1960 by the Council of Europe to promote co-operation among European countries in the field of higher education and research, to make recommendations to governments and intergovernmental organisations, to assemble information and undertake appropriate studies. Mems.: heads of universities and senior government officials from the sixteen countries signatories of the European Cultural Convention.

Chair. MAURICE BAYEN (France); Sec. ROBERT TAUBMAN.

Commonwealth Association of University Teachers, f. 1961; federation of associations of university teachers to provide an agency of co-operation and consultation among its members in the Commonwealth.

Chair. and Sec. Prof. J. L. MONTROSE, c/o Queen's University, Belfast; Treas. Prof. J. R. MALLORY (Canada).

Confederation of the Universities of Central America (*Confederación de las Universidades de Centroamerica*), c/o Universidad de Costa Rica, Ciudad Universitaria, Costa Rica, C.A.; f. 1949; to plan the regional integration of higher education in Central America and to maintain the autonomous structure of the member universities. Mems.: University of Guatemala, National University of Nicaragua, University of El Salvador, University of Costa Rica, National University of Honduras.

Pres. Dr. NAPOLEÓN RODRÍGUEZ RUIZ; Sec.-Gen. Dr. CARLOS TÜNNERMANN BERNHEIM. Publs. *Boletin Informativo, Memoria.*

Conference of Internationally-Minded Schools (C.I.S.), links schools and educationalists in an effort to establish through education a better understanding between nations and to bring together for this purpose children and adults of different nationalities, races, social strata and creeds; 150 mems. in 10 countries.

Chair. B. M. SANDERSON; Hon. Sec. FRANK W. BUTTON, 5 Warwick Road, Reading, England.

Conference on Higher Education in the American Republics (CHEAR), f. 1958; conferences, visits and exchanges among university scholars in the American Hemisphere; administration is undertaken by a Council of six and the International Institute of Education.

Co-Chairmen RISIERI FRONDIZI, KEITH GLENNAN; Sec.-Gen. KENNETH HOLLAND, c/o Institute of International Education, 800 Second Avenue, New York 17, N.Y., U.S.A.

Co-ordinating Secretariat of National Unions of Students, (COSEC): P.O. Box 36, Leiden, Netherlands; f. 1952 at the International Conference of National Unions of Students to promote co-operation between national unions on student needs, defense of student rights, cultural activities, etc. National unions in 73 countries maintain relations with the secretariat.

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Admin. Sec. JYOTI SHANKAR SINGH. Publs. *Information Bulletin* (12 times a year; English, French, Spanish), *The Student* (10 times a year; English, French, Spanish, Portuguese).

European Association of Teachers (*Association européenne des enseignants—AEDE*), 4 Rue Brûlée, Strasbourg, France; f. 1956; to develop among teachers an understanding of the problems of European unification and to harmonise contents and methods of teaching; national sections established in the Federal German Republic, Austria, Belgium, Luxembourg, Ireland, Switzerland, France, Greece and Great Britain.

Pres. A. ALERS (Belgium); Sec.-Gen. A. BIEDERMANN (France). Publ. *Bulletin.*

European Bureau of Adult Education (*Bureau européen de l'éducation populaire*), Huize "Kranenburgh", Hoflaan 22, Bergen N.H., Netherlands; f. 1953 to encourage co-operation between adult education organisations on questions of methods, materials, and exchange of individuals; arranges study sessions and tours. Members in 16 European countries and associate members in America.

Pres. O. V. L. GUERMONPREZ (Netherlands); Sec. G. H. L. SCHOUTEN (Netherlands).

European University; a committee set up by the Six countries of the European Economic Community has recommended that a graduate college with five departments should be set up: mathematics and pure physics, economics, social studies, history and law, and courses of interest to EEC agencies. The University was expected to open in 1962 but no final decision has been taken; by 1966 it is anticipated that there will be something like 1,200 students and a staff of 250.

Federation of Catholic Universities (*Catholicarum Universitatum Foederatio*), Secretariat: Via Pineta Sachetti 108, Rome; f. 1949 by the apostolic letter "Catholicas studiorum Universitates"; to ensure a strong bond of mutual assistance among all Catholic Universities in the search for truth and to help to solve problems of growth and development; 48 mems. in 18 countries.

Pres. Mgr. WILLIAM J. MCDONALD (Washington); Sec.-Gen. P. DEZZA (Italy). Publs. *Annuarium Catholicarum Universitatum Foederationis, Catholicarum Institutorum de Studiis Superioribus, Supplementa Annuarii et Catalogi, Documenta Catholicarum Universitatum Foederationum.*

International Association for the Advancement of Educational Research (*Association internationale des sciences de l'éducation*); f. 1953, present title adopted 1957. Aims: to encourage research in educational sciences by organising congresses, issuing publications, the exchange of information, etc. Member societies and individual members in 33 countries.

Pres. M. J. LANGEVELD (Germany); Sec.-Gen. W. SCHULTZE (Germany), Schlosstrasse 29, Frankfurt a.M., Germany. Publ. *Scientia Paedagogica.*

International Association for Educational and Vocational Information (*Association internationale d'information scolaire universitaire et professionnelle*), 29 rue d'Ulm, Paris 5e, France; f. 1956 to facilitate co-operation between national organisations concerned with supplying information to university and college students and primary and secondary pupils and their parents, to compare methods and act as an international documentation centre, and to encourage the establishment of other national organisations. Mems.: national organisations in 23 countries.

Pres. ALFRED ROSIER (France); Vice-Pres. Dr. STETS (Germany), M. RATUSZNIAK (Poland), V. GEENS (Belgium), N. LATTORE (Spain); Sec.-Gen. JACQUES THRILL (France); Treas. RENÉ BOCCA (Monaco); Publ. *Informations universitaires et professionnelles internationales* (quarterly), *Organise: Colloque et enquete.*

International Association of Universities, Permanent Secretariat: **International Universities Bureau,** 16 rue Franklin, Paris 16; formed at the International Conference of Universities, 1950. The main purpose of the Association is to promote international academic co-operation and to provide practical services both to university institutions throughout the world and to bodies concerned with higher education and scientific research. Organs of the Association are: the General Conference of Universities, meeting at least once every five years; the Administrative Board; the International Universities Bureau, which is the permanent secretariat of the Association. The President of the Association is elected by the General Conference and holds office until the next meeting of the General Conference. The Association maintains an Information Service, a Research Service, and a Documentation Centre and Reference Library. Mems. (May 1963): 383 universities and institutions of university rank in 80 countries.

Pres. Dr. F. CYRIL JAMES, Principal Emeritus, McGill University, Montreal; Vice-Pres. M. M. BOUCHARD, Rector, University of Dijon, and Dr. NABOR CARRILLO, former Rector, National University of Mexico; Sec.-Gen. of the Association and Dir. of the International Universities Bureau, H. M. R. KEYES. Publs. *International Handbook of Universities, International List of Universities and other Institutions of Higher Education, Inter-University Organizations, Bulletin* (quarterly) and studies and reports.

International Association of University Professors and Lecturers, Rozier 6, Ghent, Belgium; f. 1944; statutes ratified 1947. Object: The development of academic fraternity amongst university teachers and research workers; the protection of independence and freedom of teaching and research; the furtherance of the interests of all university teachers; and the consideration of academic problems. Mems.: 58,000 in 28 countries.

Hon. Sec. Prof. A. HACQUAERT. Publ. *Communication.*

International Bureau of Education (*Bureau international d'éducation*), Palais Wilson, Geneva; f. 1925. The purpose of the Bureau is to develop international relations in the field of education; it is a centre for information and research concerning education; it holds annual international conferences on education and has a permanent exhibition of public education in various countries. By its new constitution, adopted in 1929, the members of the Bureau are States or Ministries of Education. On February 28th, 1947, the United Nations Educational, Scientific, and Cultural Organisation and the I.B.E. signed an agreement providing for close co-operation between the two organisations; the library contains 75,000 vols., including 18,000 vols. of school textbooks from 57 countries, 24,000 vols. of children's books from 52 countries and 600 educational journals from 68 countries.

Dir. J. PIAGET, Prof. Geneva Univ.; Asst. Dir. Dr. P. ROSELLÓ. Publs. (French and English editions) *Bulletin of the International Bureau of Education* (quarterly), *International Yearbook of Education,* Reports of Inquiries and National Monographs on Education.

International Federation for Art Education (*Fédération internationale pour l'éducation artistique*), Im Rossweidli 70, Zürich 3/55, Switzerland; f. 1900 to promote art education in general education syllabi, to facilitate the exchange of experiences and to collect documentation. Mems.: national societies, government departments, schools, institutions and individuals in 25

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countries. International Congresses: Paris 1964, Japan 1965, Austria 1966.

Pres. E. MÜLLER (Switzerland); Secs. R. BRIGATI (Switzerland), R. CUVAY (Austria). Publ. *Bulletin*.

International Federation of "Ecole Moderne" Movements (*Fédération internationale des mouvements d'école moderne*), bvd. Vallombrosa, Cannes, France; f. 1957 to bring into contact associations devoted to the improvement of school organisation and to work for the adoption of techniques advocated by C. Freinet; conducts courses for teachers, promotes interschool exchanges of correspondence and magazines. Mems.: associations of teachers in 24 countries.

Pres. CELESTIN FREINET (France); Sec. LUCIENNE BALESSE (Belgium); Treas. MAURICE PERRENOUD (Switzerland). Publs. *L'Educateur* (2 per month), *Techniques de Vie* (monthly).

International Federation of Organisations for School Correspondence and Exchange (*Fédération internationale des organisations de correspondance et d'échanges scolaires—FIOCES*), 29 rue d'Ulm, Paris 5, France; f. 1929. Aims: to contribute to the knowledge of foreign languages and civilisations and to bring together young people of all nations by furthering international scholastic exchanges including: international scholastic correspondence, individual and group visits to foreign countries, individual accommodation with families, placements in international holiday camps, etc. Mems.: comprises 65 national bureaux of scholastic correspondence and exchange in 27 countries.

Pres. Prof. F. CLOSSET (Belgium); Sec.-Gen. J. DAMANTY (France); Exec. Sec. I. LAJTI. Publ. *Bulletin* (bi-annually).

International Federation of University Women (*Fédération internationale des femmes diplômées des universités*), 17a King's Road, Sloane Square, London, S.W.3; f. 1919 by the British Federation of University Women and the American Association of University Women. Object: To promote friendship and understanding between university women irrespective of race, religion or political opinions, and thereby to further their interests and promote sympathy between their countries, by (1) providing international fellowships for research; (2) encouraging the establishment of international clubhouses; (3) maintaining consultative status with the appropriate intergovernmental organisations; (4) investigating educational problems; (5) studying problems affecting the economic and professional status of women. Affiliates 51 national associations with 190,000 mems.

Pres. Miss I. F. HILTON, M.SC., F.L.S. (Gt. Britain); Exec. Sec. Miss S. F. STALLMAN, M.A. (Gt. Britain). Publs. *The Newsletter* (annual), *The Bulletin* (annual report).

International Federation of Workers' Educational Associations, Temple House, 27 Portman Square, London, W.1; f. 1947 to promote co-operation between national bodies concerned with workers' education, through clearing-house services, exchange of information, publications conferences, summer schools, etc.

Sec. HARRY NUTT.

International Institute for Educational Planning, c/o UNESCO, Place de Fontenoy, Paris 7e; f. 1963; an autonomous body financially supported by UNESCO, the World Bank and the Ford Foundation, formed to bring together educators, economists and other development experts to help the nations of Africa, Asia and Latin America to accelerate their economic and social development programmes by integrating educational expansion more effectively with overall development plans; the Institute will carry out research and training at an advanced level.

Chair. of Governing Board Sir SIDNEY CAINE; Dir. PHILIP H. COOMBS.

International League of Child and Adult Education (*Ligue internationale de l'Enseignement, de l'Education et de la Culture Populaire*), 3 rue Récamier, Paris 7e, France; f. 1947; to further the ideal of public education untrammelled by moral, intellectual, racial or political obstacles; mems. 12 states, 1 million individual mems.

Pres. Prof. HENRI FAURE (France); Admin. Sec. ALBERT JENGER (France).

International People's College (*Haute école populaire internationale*), Elsinore, Denmark; f. 1921 to create better international relations by means of education. Spring, winter and vacation courses are held for students of various nationalities; the College is supported by the Danish State, the staff is international; number of students is 60-120.

Principal VAGN H. FENGER, M.SC.

International Phonetic Association (IPA) (*Association phonétique internationale*), University College, Gower Street, London, W.C.1; f. 1886 to promote the scientific study of phonetics and its applications. Mems.: 520.

Pres. Prof. D. JONES (U.K.); Sec. A. C. GIMSON (U.K.). Publs. *Le Maître Phonétique* (twice yearly), *Miscellanea Phonetica* (occasionally).

International Society for Business Education (*Société internationale pour l'enseignement commercial*), Klosterweidli 17, St. Gallen, Switzerland; f. 1901 to organise international courses and congresses on business education. Mems.: national organisations and individuals in 17 countries.

Pres. Prof. J. P. PRADERVAND (Switzerland); Dir. Prof. FELIX SCHMID (Switzerland). Publ. *International Review for Business Education*.

International Student Movement of the United Nations (ISMUN) (*Mouvement international des Étudiants pour les Nations Unies*), f. 1948 by the World Federation of United Nations Associations, later became independent; mems.: associations in 38 countries.

Secretary-General Miss MARIE-JOSÉ PROTAIS, 1 Avenue de la Paix, Geneva, Switzerland.

International Union of Students (*Union internationale des étudiants*), Vocelova 3, Prague 2; f. Aug. 1946 by World Student Congress in Prague. Objects: To defend the rights and interests of students, to strive for peace, national independence, academic freedom and democratic education and to unite the student movement in furtherance of these objectives. Activities include conferences, meetings, solidarity campaigns, relief projects, award of scholarships, travel and exchange, sports events, cultural projects, publicity and other activities in the furtherance of the Union's aims. Nationally representative student organisations of 57 countries are members.

Pres. JIŘÍ PELIKÁN (Czechoslovakia); Gen. Sec. NOORI ABDEL RAZZAK HUSSEIN (Iraq). Publs. *World Student News* (monthly), in Arabic, English, French, German, Russian, Spanish *I.U.S. News Service* (fortnightly), in English, French, Spanish and Arabic (monthly), Faculty Bulletins on Cinematography and Sport and various pamphlets on student life and activities.

Montessori International Association (*Association Montessori Internationale*), Koninginneweg 161, Amsterdam, Holland; f. 1929; to propagate the ideals and educational methods of Dr. Maria Montessori and to spread knowledge on child development without racial,

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religious or political prejudice. Branches and National Associations in Austria, Ceylon, Chile, Denmark, England, France, Germany, Holland, India, Ireland, Italy, Sweden and U.S.A.

Pres. Dr. J. EWART SMART; Dir.-Gen. MARIO M. MONTESSORI; Gen. Sec. Mrs. R. JOOSTEN. Publ. *Montessori 1907–1957, Communications* (4 issues a year), etc.

New Education Fellowship, 55 Upper Stone Street, Tunbridge Wells, Kent, England; f. 1921; to promote the exchange and practice of progressive educational ideas in all parts of the world; sections and groups in 22 countries.

Pres. Dr. K. G. SAIYIDAIN; Hon. Sec. Dr. J. L. HENDERSON. Publs. *The New Era in Home and School* (monthly), *New Horizons* (3 issues per annum).

Organisation of the Catholic Universities of Latin America (*Organización de Universidades Católicas de America Latina—ODUCAL*); f. 1953; aims to assist the cultural development of Latin America and to promote the activities of Catholic higher education in the region; mems.: 18 Catholic universities in Argentina, Brazil, Colombia, Cuba, Ecuador, Mexico, Peru, Puerto Rico, and Venezuela.

Pres. Mgr. ALFREDO SILVA SANTIAGO, Archbishop of Concepción, Rector of the Pontifical Catholic University of Chile; Sec.-Gen. Rev. AUGUSTIN MARTINEZ, O.S.A.; Asst. Sec. FERNANDO SANHUEZA HERBAGE, Avenida Bernhardo O'Higgins 340, Casilla 114-D, Santiago de Chile, Chile.

Pax Romana, f. 1921; two branches from 1947: the student branch—*International Movement of Catholic Students* (96 national federations in 68 countries); the graduate branch—*International Catholic Movement for Intellectual and Cultural Affairs* (82 national federations in 50 countries and 6 international professional federations.

Sec.-Gen. JAIME CORDOVA; Gen. Secretariat, 1 route du Jura, Fribourg, Switzerland. Publs. *Pax Romana Journal* (English and French, 6 a year), *Boletino Ibero Americano, African Newsletter*, and hundreds of national and professional federation publications.

Union of the Universities of Latin America (*Union de Universidades de America Latina*); Secretariat: Apto. Postal 25232, Ciudad Universitaria, Mexico 20, D.F.; f. 1949; to form a basis of collaboration between the universities of Latin America in the interests of academic and administrative integrity and uniformity and the maintenance of full autonomy. Mems.: 68 affiliated universities.

Pres. Dr. JULIO H. G. OLIVERA; Sec.-Gen. Dr. EFRÉN C. DEL POZO. Publ. *Universidades* (review) (quarterly).

World Confederation of Organisations of the Teaching Profession, 1227 Sixteenth Street, N.W., Washington 36, D.C.; f. 1952. Purposes: To foster a conception of education directed toward the promotion of international understanding and good will; to improve teaching methods, educational organisation and the training of teachers to equip them better to serve the interests of youth; to defend the rights and the material and moral interests of the teaching profession; to promote closer relationships between teachers in different countries. Membership: 132 national teachers' associations in 78 countries.

Pres. Sir RONALD GOULD (Great Britain); Sec.-Gen. W. G. CARR (U.S.A.). Publs. *Panorama* (quarterly—English, French, Spanish, Japanese), *Annual Report* (in English, French and Spanish), *Echo* newsletter (in English, French, Spanish, Arabic, Vietnamese, Japanese, Korean, Chinese, Portuguese and Tamil).

World Federation of Educational Associations (*Fédération Internationale des Associations Pédagogiques*), 705 East Seventh Street, Bloomington, Indiana, U.S.A.; f. 1923. Objects: To develop international goodwill through education, to promote the cause of education, and to elevate the character of teaching throughout the world. Mems.: national educational associations in various countries.

Vice-Pres. for Europe G. R. PARKER (London); Vice-Pres. for the Americas SELMA BORCHARDT (Washington, D.C.); Sec.-Gen. Dr. H. L. SMITH (Bloomington, Indiana). Publ. *World Education.*

World's Student Christian Federation (WSCF) (*Fédération Universelle des Associations Chrétiennes d'Étudiants—FUACE*), f. 1895; a federation of national Student Christian Movements, student sections of YMCAs and YWCAs, and denominational student movements; mems.: affiliated movements in 34 countries, associated movements in 14 countries and corresponding movements in 30 countries.

Gen. Sec. VALDO GALLAND (Uruguay); Secretariat: 13 rue Calvin, Geneva, Switzerland. Publs. *The Student World* (quarterly), *Federation News* (bi-monthly).

World University Service, 13 rue Calvin, Geneva; f. 1919. Objects: W.U.S. provides mutual assistance from pooled resources of the world university community to meet the urgent needs and problems facing universities and university students in various parts of the world. Its programme includes material assistance to self-help projects in the fields of student health, student lodging and living, educational facilities, and community development in Asia, Africa. and Latin America, as well as aid to refugee students. In its work, university students and staff come together without prejudice of race, nationality, politicial or religious convictions. Through personal encounter and sharing knowledge gained in attempts to resolve basic university problems, WUS endeavours to develop an international understanding which would arouse a spirit of international solidarity and concern for mutual assistance. Mems.: 42 National Committees.

Chair. Dr. BUELL GALLAGHER; Gen. Sec. HANS DALL. Publs. *WUS in Action* (bimestrial), *Annual Report, Programme of Action,* Reports on conferences and research.

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ENGINEERING AND TECHNOLOGY

Union of International Engineering Organisations (UIEO) (*Union des associations techniques internationales*), 62 rue de Courcelles, Paris 8e, France; f. 1951. Activities: The co-ordination of international congresses planned by member organisations, collaboration with UNESCO, the publication of technical bibliographies and of technical dictionaries in several languages. Membership: 17 international organisations.

Chair. A. RUMPLER (France); Sec.-Gen. J. BARDOUX (France).

MEMBER ORGANISATIONS

International Association for Hydraulic Research (*Association Internationale de Recherches Hydrauliques*), P.O. Box 177, Delft, Netherlands; f. 1935; 1,070 individual mems., 200 corporate mems.

Sec. H. J. SCHOEMAKER (Netherlands). Publs. *Annual Bulletin, Newsletters, Proceedings.*

International Association for Bridge and Structural Engineering (*Association Internationale des Ponts et Charpentes*), Secretariat: Ecole Polytechnique Féderale Zürich Switzerland.

International Commission on Irrigation and Drainage (*Commission Internationale des irrigations et du drainage*), 184 Golf Links Area, New Delhi III, India.

Sec.-Gen. K. K. FRAMJI.

International Commission on Large Dams of the World Power Conference (*Commission Internationale des grand barrages de la Conférence Mondiale de l'Energie*), 51 rue Saint-Georges, Paris 9e, France.

Dir.-Gen. M. J. DUFFAUT.

International Conference on Large Electric Systems (*Conférence Internationale des Grands Réseaux Electriques*), 112 Bvd. Haussmann, Paris 8e, France.

Pres. G. SILVA (Italy); Vice-Pres. J. TRIBOT-LASPIÈRE.

International Federation of Automatic Control (IFAC) (*Fédération Internationale de Commande Automatique*). Prinz-Georg-Strasse 79, Düsseldorf, Germany.

Sec. Dr. Ing. G. RUPPEL.

International Federation of Surveyors (*Fédération internationale des géomètres*), Krotenthallergasse 3, Vienna, Austria; f. 1926; 23 national associations are affiliated.

Pres. Dr. Ing. K. NEUMAIER (Austria); Sec.-Gen. Prof. Dr. Ing. A. BARVIR (Austria). Publ. Reports of congresses.

International Gas Union (*Union Internationale de l'Industrie du Gaz*), 4 avenue Palmerston, Brussels, Belgium.

Sec.-Gen. R. H. TOUWAIDE.

International Institute of Welding (*Institut international de la soudure*), 54 Princes Gate, London, S.W.7, England; f. 1948. 63 member societies.

Pres. K. RÜHL (Germany); Sec.-Gen. G. PARSLOE (U.K.).

International Institution for Production Engineering Research (*Collège International pour l'étude scientifique des techniques de production mécanique—CIRP*), 44 rue de Rennes, Paris 6e, France; f. 1951. Aims to promote by scientific research, the study of mechanical processing of all solid materials including checking the efficiency and quantity of work. Mems.: 56 mems. in 20 countries.

Founder Pres. Prof. A. PORTEVIN (France); Pres. Prof. R. VAN HASSELT (Netherlands); Vice-Pres. Prof. E. BODART (Belgium); Sec.-Gen. Ing.-Gén. P. NICOLAU (France). Publ. *Annals.*

International Society of Soil Mechanics and Foundation Engineering (*Société internationale de mécanique des sols et des travaux de fondations*), Institution of Civil Engineers, Great George Street, London, S.W.1, England; f. 1951. Object: To increase the knowledge about the methods, degrees of efficiency, and the quality of mechanical machining of solids by means of scientific research; 61 members in 20 countries.

Pres. Prof. R. VAN HASSELT (Netherlands); Vice-Pres. Prof. E. BODART (Belgium); Sec.-Gen. P. NICOLAU (France). Publ. *Annals.*

International Union for Electroheat (*Union Internationale d'Electrothermie*), 25 rue de la Pépinière, Paris 8e, France; f. 1953, present title adopted 1957. Mems.: national cttees. in 15 countries.

Hon. Pres. H. GELISSEN (Netherlands); Pres. R. FELIX (France); Sec. G. E. ZELLER (France).

International Union of Testing and Research Laboratories on Materials and Structures (RILEM) (*Réunion Internationale des Laboratoires d'Essais et de Recherches sur les Matériaux et les Constructions*), 12 rue Brançion, Paris 15e, France; f. 1947. Mems.: 500.

Pres. W. OLSZAK; Sec.Gen. L'HERMITE. Publ. *RILEM* (quarterly).

Permanent International Association of Navigation Congresses (*Association Internationale Permanente des Congrès de Navigation*), 60 rue Juste Lipse, Brussels, Belgium.

Sec.-Gen. H. VANDERVELDEN (Belgium).

Permanent International Association of Road Congresses (*Association Internationale Permanente des Congrès de la route*), 43 avenue du Président Wilson, Paris 16e, France.

Sec.-Gen. E. NAUD (France).

World Power Conference, The, Central Office, 201-202 Grand Buildings, Trafalgar Square, London, W.C.2; f. in 1924 in Great Britain, upon the initiative of the late D. N. Dunlop, to form a link between various branches of power and fuel technology. It maintains a liaison between national experts (engineers, administrators, scientists and economists) throughout the world. The Conference now has 52 National Committees. In addition, 8 countries, which do not at present possess National Committees, maintain contact with the work of the World Power Conference through accredited "Representatives". Plenary conferences are held every six years and "sectional" meetings at irregular intervals.

Pres. W. H. CONNOLLY, C.B.E. (Australia); Int. Exec. Council: Chair. Sir CHRISTOPHER HINTON, K.B.E., F.R.S. (U.K.); Sec. C. H. GRAY; and delegates of the National Committees, together with accredited "Representatives". Publs. *Transactions of Plenary and Sectional Conferences, World Power Conference Survey of Energy Resources.*

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OTHER ORGANISATIONS

Central American Research Institute for Industry (*Instituto Centroamericano de Investigacion y Tecnologia Industrial —ICAITI*), 4A Calle y Avenida la Reforma Zona 10, P.O.B. 1552, Guatemala City, Guatemala; f. 1956; to undertake technical investigation of marketing, developing of new industries and manufacturing techniques and general advice; library of 3,000 vols. and 250 current periodicals. Mems. five countries of Central America.

Dir. Dr. Otto J. Stern (U.N.); Admin. Assist. Mrs. Herta Schwilling. Publ. *Noticias del ICAITI.*

International Commission on Illumination (*Commission internationale de l'éclairage*), 57 rue Cuvier, Paris 5e, France; f. 1900 as International Commission on Photometry, reorganised as C.I.E. 1913. Objects: To provide an international forum for all matters relating to the science and art of illumination; to promote by all appropriate means the study of such matters; to provide for the interchange of information between the different countries; to agree upon and to publish international recommendations. Mems.: 29 affiliated National Illumination Committees. 15th Session, Vienna, June 18th-26th, 1963.

Secs. Y. Le Grand and J. J. Chappat. Publs. *Comptes Rendus* of quadrennial plenary sessions, and an *International Lighting Vocabulary* in French, English and German, containing 530 terms with definitions.

International Congresses for Modern Architecture (*Congrès internationaux d'architecture moderne*), Posthoorn 12b, Rotterdam, Netherlands; f. 1928. Individual mems. in 26 countries; 5 permanent commissions.

Gen. Sec. J. Bakema (Netherlands).

International Council for Building Research, Studies and Documentation (CIB) (*Conseil international du bâtiment pour la recherche, l'étude et la documentation*), 700 Weena, P.O. Box 299, Rotterdam, Netherlands; f. 1953 to encourage and facilitate co-operation in building research, studies and documentation in all aspects. Mems.: national organisations in 35 countries.

Publs. *CIB Bulletin* (quarterly), *Directory of Building Research and Development Organisations, Abridged Building Classification for Architects, Builders and Civil Engineers—A.B.C.* (available in English, Dutch, French, Norwegian, Serbo-Croat, Swedish and German), *Innovation in Building, Bibliography on Building Documentation 1938–1962.*

International Electrotechnical Commission, 1 rue de Varembé, Geneva, Switzerland; f. 1906. Object: To facilitate the co-ordination and unification of national electrotechnical standards. Mems.: National Cttees. representing all sections of the electrical industry in 35 countries.

Gen.-Sec. L. Ruppert. Publ. *International Recommendations.*

International Federation for Housing and Planning (*Fédération internationale pour l'habitation, l'urbanisme et l'aménagement des territoires*), Alexanderstraat 2, The Hague, Netherlands; f. 1913.

Sec.-Gen. L. B. Gelpke (Netherlands). Publs. *Bulletin* (with News Sheet)—bi-monthly, Congress Reports, and occasional special publications.

International Federation of Automobile Technical Engineers' Associations (F.I.S.I.T.A.) (*Fédération internationale des sociétés d'ingénieurs des techniques de l'automobile*), 5 avenue Friedland, Paris 8e, France; f. 1947 to promote the exchange of information between member societies, ensure standardisation of techniques and terms, to conduct research on technical and managerial problems and generally to encourage the technical development of mechanical transport. Member organisations in 11 countries.

Pres. J. H. Pitchford; Sec.-Gen. R. Main; Treas. J. G. Dollfus.

International Federation of Operational Research Societies, Operations Research Center, Room 6-107, Mass. Institute of Technology, Cambridge 39, Mass., U.S.A.; f. 1959. Aims: the development of operational research as a unified science and its advancement in all nations of the world. Mems.: 14 national societies with about 7,000 mems.

Sec. Prof. P. M. Morse (U.S.A.); Treas. Robt. G. Brown. Publ. *International Abstracts in Operations Research.*

International Institute of Refrigeration (*Institut international du froid*), 177 Boulevard Malesherbes, Paris 17e, France; intergovernmental organisation created June 21st, 1920. Object: The study of all technical, scientific, economic and industrial questions concerning refrigeration. Study and research is undertaken, under the direction of a Technical Board, by International Commissions, the number and duties of which are decided by the General Conference.

Pres. R. Plank (Germany); Dir. R. Thevenot (France). Publ. *Bulletin de l'I.I.F* (in French and English).

International Organization for Standardization (*Organisation internationale de normalisation*), 1 rue de Varembé, Geneva, Switzerland; f. 1946. 47 mems.

Pres. A. E. Viatkine (U.S.S.R.) (1962–64); Vice-Pres. Jean Birlé (France); Treas. Jacques de Saugy (Switzerland); Gen. Sec. Henry St. Leger (U.S.A.). Publ. *ISO Memento* (annual).

International Society for Photogrammetry (*Société internationale de photogrammétrie*), Instituto Geografico e Cadastral, Praça da Estrela, Lisbon, Portugal; f. 1910; 44 mems.

Pres. Eng. Dr. A. Paes Clemente (Portugal); Sec.-Gen. Eng. Manuel Fonseca Alexandre (Portugal); Treas. Eng. A. Santos Silva (Portugal). Publs. *Photogrammetria, International Archives of Photogrammetry.*

International Union of Testing and Research Laboratories for Materials and Structures (*Réunion internationale des laboratoires d'essais et de recherches sur les matériaux et les constructions*), 8 rue du Rhône, Geneva, Switzerland; f. 1947 for the exchange of information and the promotion of co-operation on experimental research concerning structures and materials, for the study of research methods with a view to improvement and standardisation, and for the exchange of scientific workers. Mems.: laboratories and individuals in 53 countries.

Pres. Prof. W. Olszak (Poland); Sec.-Gen. R. L'Hermite (France). Publ. *Bulletin RILEM* (bi-monthly).

Institution of Mining and Metallurgy, 44 Portland Place, London, W.1; f. 1892 for the advancement of the science and practice of mining and of metallurgy, and for the collection and dissemination of information concerning mining and metallurgy; administers scholarships and fellowships, maintains a specialist library. Members in 72 countries.

Pres. Prof. K. C. Dunham, F.R.S.; Sec. B. W. Kerrigan (Great Britain); Hon. Treas. R. Annan (Great Britain). Publs. *Bulletin of the Institution of Mining and Metallurgy* (monthly), *Transactions* (annual), *IMM Abstracts* (bi-monthly), special volumes of proceedings of conferences and symposia.

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Permanent International Bureau of Analytical Chemistry of Human and Animal Food (*Bureau international de chimie analytique concernant les matières destinées à l'alimentation de l'homme et des animaux*), 18 avenue de Villars, Paris 7e, France; f. 1912 by inter-governmental agreement. Objects: Verification of all methods of analytical chemistry and of all scientific procedure for determining the nature and quantity of the main constituents of food for human and animal consumption; comparison of analytical methods in different countries with a view to prevention of adulteration; facilitation of international exchanges and field studies of methods recommended by the Bureau. Mems.: Governments of Argentina, France, Greece, Hungary, Israel, Mexico, Portugal, Uruguay; International Committee meets yearly.

Dir.-Gen. EMILE DURIER. Publs. *Annales des Falsifications et des Fraudes* (monthly).

LAW

Hague Academy of International Law (*Académie de droit international de la Haye*), Peace Palace, The Hague; f. 1914 as a centre of higher studies in international law (public and private) and cognate sciences, in order to facilitate a thorough and impartial examination of questions bearing on international juridical relations.

Admin. Council: The Directors of the Carnegie Foundation, The Hague; Sec.-Gen. Major-Gen. J. B. DE JONGH; Curatorium: Pres. Prof. F. CASTBERG (Norway); Sec.-Gen. Prof. CH. CHAUMONT (France); mems. TH. AGHNIDES, A. H. BADAWI, H. C. BATIFFOL, Sir GERALD FITZMAURICE, PHILIP C. JESSUP, E. N. VAN KLEFFENS, P. RUEGGER, A. VERDROSS, CH. DE VISSCHER, J. M. DE YANGUAS MESSÍA.

The Hague Conference on Private International Law (*Conférence de La Haye de droit international privé*), 66a Zeestraat, The Hague, Netherlands; f. 1893 to work for the unification of the rules of private international law; and to conduct research. Mems.: Austria, Belgium, Denmark, Finland, France, Germany (F.R.), Great Britain, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, U.A.R., Yugoslavia; Observer, U.S.A.

Pres. J. OFFERHAUS (Netherlands); Sec.-Gen. M. H. VAN HOOGSTRATEN. Publs. *Actes* and *Documents* relating to each Session; various printed and mimeographed documents.

Institute of International Law (*Institut de droit international*), 1 avenue de la Grenade, Geneva, Switzerland; f. 1873. Objects: To promote the development of international law by endeavouring to formulate general principles in accordance with civilised ethical standards, and by giving assistance to genuine attempts at the gradual and progressive codification of international law. Mems. limited to 60 members and 60 associates from all over the world.

Pres. Prof. HENRI ROLIN (Belgium); Sec.-Gen. Prof. HANS WEHBERG (Germany). Publs. *Annuaire de l'Institut de Droit international*, 48 vols., *Tableau général des Résolutions* (*1873-1956*).

International Association for Penal Law (*Association internationale de droit pénal*), Faculty of Law of the Sorbonne, 12 place du Panthéon, Paris 5e; f. 1924. Objects: To promote co-operation between those who, in different countries, are engaged in the study or practice of criminal law, to study crime, its causes and its cure, and to further the theoretical and practical development of international penal law; 800 mems.

Pres. Prof. P. CORNIL; Gen. Sec. PIERRE BOUZAT, Hon. Dean of the Faculty of Law, Rennes. Publ. *Revue Internationale de Droit Pénal* (quarterly).

International Association of Democratic Lawyers (IADL) (*Association internationale des Juristes Démocrates*), 234 rue du Trône, Brussels 5, Belgium; f. 1946; aims to facilitate contacts and exchanges of view between lawyers and lawyers' associations and to foster understanding and goodwill; to work together to achieve the aims of the Charter of the United Nations. Mems. from 30 countries.

Hon. Pres. D. N. PRITT (U.K.); Pres. PIERRE COT (France); Sec.-Gen. J. NORDMANN (France). Publs. *Revue de Droit Contemporain* (twice a year), *Bulletin*.

International Association of Legal Science (*Association internationale des sciences juridiques*), 31 rue Saint-Guillaume, Paris 7e, France; f. 1950 to promote the mutual knowledge and understanding of nations and the increase of learning by encouraging throughout the world the study of foreign legal systems and the use of the comparative method in legal science. Governed by a President and an executive bureau of nine members known as the International Committee of Comparative Law. National committees in 37 countries. Sponsored by UNESCO.

Pres. Prof. ST. ROZMARYN (Poland); Vice-Pres. Prof. H. E. YNTEMA; Sec.-Gen. Prof. I. ZAJTAY (France); Dir. of Scientific Research Prof. A. TUNC (France); Dir. for Documentation Vice-Dean F. DE SOLA CAÑIZARES (Spain).

International Bar Association, 501 Fifth Avenue, New York 17, N.Y., U.S.A.; organised Feb. 1947. Membership comprises 52 national bar associations of 39 countries.

Sec.-Gen. GERALD J. MCMAHON. Publ. *International Bar News* (quarterly) in English, French, Spanish and German. Conference Reports (biennial).

International Commission of Jurists (*Commission internationale de juristes*), 6 rue du Mont-de-Sion, Geneva, Switzerland; f. 1952 to promote and strengthen the Rule of Law in all its practical manifestations—institutions, legislation, procedures, etc.—and to defend it through the mobilisation of world legal opinion in cases of general and systematic violation of, or serious threat to, such principle of justice.

Hon. Pres. JOSEPH T. THORSON (Canada); Pres. VIVIAN BOSE (India); Acting Sec.-Gen. VIVIAN BOSE (India); Admin. Sec. E. S. KOZERA. Publs. *Journal, Bulletin, Newsletter*, special reports.

International Confederation of Societies of Authors and Composers (*Confédération internationale des sociétés d'auteurs et compositeurs*), 11 rue Keppler, Paris 16e, France; f. 1926 to ensure more effective protection of the rights of authors and composers, to improve legislation on literary and artistic rights, and to organise research on problems concerning the rights of authors; participates in preparatory work for inter-governmental conferences on author's rights. Member societies in 37 countries.

Pres. ILDEBRANDO PIZZETTI (Italy); Pres. Elect ALBERT WILLEMETZ (France); Sec.-Gen. LÉON MALAPLATE (France); Publ. *Interauteurs* (quarterly).

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International Grotius Foundation for the Propagation of the Law of Nations, Secretariat: Grotius-Stiftung, Munich 27, Germany; f. 1945 for the study and development of international law.

Hon. Sec.-Gen. Dr. Dr. Dr. HANS K. E. L. KELLER.

International Institute for the Unification of Private Law (UNIDROIT) (*Institut international pour l'unification du droit privé*), Via Panisperna 28, Rome, Italy; f. 1926; to undertake studies of comparative law, to prepare for the establishment of uniform legislation, to prepare drafts of international agreements on private law and to organise conferences and publish works on such subjects. Drafts of uniform laws on the international sale of goods, on agency, on compulsory insurance of motorists, on arbitration law and on the reciprocal treatment of nationals, drafts of international conventions on road transport and inland navigation have been presented to the United Nations, the Council of Europe and other bodies; meetings of organisations concerned with the unification of law; documentation centre; Library of 145,000 vols. Mems.: governments of 41 countries.

Pres. ERNESTO EULA (Italy); Sec.-Gen. MARIO MATTEUCCI (Italy). Publs. *Yearbook, Uniform Law Cases*, etc.

International Institute of Space Law (IISL) (*Institut International de Droit Spatial*), 1735 DeSales Street, N.W., Washington 6, D.C., U.S.A.; f. 1960 at the XI Congress of the International Astronautical Federation; holds meetings, makes studies on juridical and sociological aspects of astronautics; publishes reports and a periodical journal; makes awards. The Institute has established 11 Working Groups to consider various legal problems of extra-terrestrial space; mems. individuals elected for life.

Pres. ASSEN GEORGIEV (Bulgaria); Sec. A. G. HALEY (U.S.A.); Dirs. ALDO ARMANDO COCCA (Argentina), ERNST FASAN (Austria), ISTVAN HERCZEG (Hungary), CYRIL HORSFORD (U.K.), VLADIMIR KOPAL (Czechoslovakia), EUGENE KOROVINE (U.S.S.R.), EUGENE PEPIN (France), P. K. ROY (India), JERZY SZTUCKI (Poland), ROBERT K. WOETZEL (U.S.A.).

International Juridical Institute (*Institut juridique international*), Permanent Office for the Supply of Int. Legal Information, 6 Oranjestraat, The Hague; f. 1918. Object: To supply information in connection with any matter of international interest, not being of a secret nature, respecting international, municipal and foreign law and the application thereof.

Governing Board: Chair. C. R. C. WIJCKERHELD BISDOM, LL.D.; Sec. Jhr. TH. K. M. J. VAN SASSE VAN YSSELT, LL.D.; Dir. C. D. VAN BOESCHOTEN, LL.D.

International Law Association, 3 Paper Buildings, The Temple, London, E.C.4; f. 1873. Object: The study and advancement of International Law, public and private; the promotion of international understanding and goodwill. 32 regional branches, over 3,750 members.

Pres. Prof. Dr. ROLF STÖDTER (Germany); Chair. Exec. Council Lord MCNAIR, C.B.E., Q.C., F.B.A., LL.D.; Sec.-Gen. JOHN B. S. EDWARDS.

Publs. Reports of conferences (49).

International Literary and Artistic Association (*Association littéraire et artistique internationale*), 117 Bd. Saint Germain, Paris, France; f. 1878 at Congress of Paris, presided over by Victor Hugo. Objects: The protection of the rights and interests of writers and artists of all lands; extension of copyright conventions, etc. The Association has national groups in Belgium, Denmark, the German Federal Republic, Greece, Italy, Monaco, the Netherlands, Norway, Portugal, Sweden and Switzerland and members in Great Britain, Luxembourg, Turkey, Japan, Argentina, U.S.A. and Uruguay.

Pres. MARCEL BOUTET; Perm. Sec. JEAN VILBOIS, 133 Avenue de Suffren, Paris 7e, France.

International Maritime Committee (*Comité maritime international*), 33 rue Jordaens, Antwerp, Belgium; f. 1897 to contribute to the unification of maritime law by means of conferences, publications, etc. and to encourage the creation of national associations for the same end; work includes drafting of conventions on collisions at sea, salvage and assistance at sea, limitation of shipowners' liability, maritime mortgages, etc. Mems.: national associations in 26 countries.

Pres. ALBERT J. LILAR (Belgium); Secs.-Gen. CYRIL MILLER (Great Britain), CARLO VAN DEN BOSCH (Belgium).

World Federation of International Juridical Institutions, Institute of Comparative Law, Faculty of Law of the Sorbonne, 12 place du Panthéon, Paris 5; f. 1948. Purpose: To co-ordinate the scientific work of the various international and national juridical organisations.

Sec.-Gens. BORIS MIRKINE-GUETZÉVITCH, MAX GONFREVILLE.

MEDICINE AND PUBLIC HEALTH

World Health Organisation (*Organisation mondiale de la santé*): Palais des Nations, Geneva, Switzerland; f. 1948. WHO, a specialised agency of the United Nations, is an inter-governmental agency charged under the terms of its constitution "to act as the directing and co-ordinating authority on international health work". WHO carries out a wide variety of programmes designed (1) to strengthen national health services; (2) to demonstrate methods and specialised techniques of disease control and health promotion; (3) to stimulate and co-ordinate research related to health; (4) to provide governments with various kinds of technical information required for protecting and promoting the health of their peoples; (5) to develop and establish international standards for drugs and similar products; (6) to help meet the need for more, and more adequately trained, doctors, nurses and related personnel, etc.; 117 mem. countries, 3 associate mem. countries; library of 75,000 vols. and 2,500 current periodicals.

Dir.-Gen. Dr. M. G. CANDAU (Brazil); Deputy Dir.-Gen. Dr. PIERRE DOROLLE (France); Asst. Dirs.-Gen. M. P. SIEGEL (U.S.A.), Dr. P. M. KAUL (India), Dr. F. GRUNDY (U.K.), Dr. O. V. BAROYAN (U.S.S.R.). Publs. *Bulletin* (monthly), *Chronicle* (monthly), *International Digest of Health Legislation* (quarterly), *Epidemiological and Vital Statistics Report* (monthly), *Weekly Epidemiological Record, Annual Epidemiological and Vital Statistics, Monograph Series* (irregular), *Public Health Papers* (irregular), *Technical Report Series* (irregular), *Official Records* (irregular), *World Health* (monthly unofficial publ. intended for the general public).

Council for International Organisations of Medical Sciences (CIOMS) (*Conseil des organisations internationales des sciences médicales*), Secretariat: Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1949. Object: To

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facilitate the exchange of views and scientific information in the medical sciences by securing continuity and co-ordination between international associations of medical sciences, by making their work known, and by furnishing them with material aid where necessary; 53 international mems., 7 national mems., 9 associate mems.

Pres. Prof. R. CRUICKSHANK (U.K.); Sec. Dr. P.-A. MESSERLI (Switzerland). Publs. *News Letter and Calendar* (in English and French), *Proceedings of symposia*.

INTERNATIONAL MEMBERS OF CIOMS

International Academy of Legal and Social Medicine (*Académie internationale de médecine légale et de médecine sociale*), c/o Prof. Canepa, Istituto di Medicina Legale, 12 via de Toni, Genoa, Italy; f. 1938. The Academy holds an international Congress and General Assembly every three years.

Chair. Prof. D. MACAGGI (Italy); Vice-Chair. Profs. ISHIKAWA (Japan), PAZ SOLDAN (Peru), WOLFF (Sweden); Gen. Sec. Prof. CANEPA (Italy). Publ. *Acta Medicinae legalis et socialis* (quarterly); Editor Prof. P. MOUREAU (Belgium).

International Association for the Prevention of Blindness (*Association internationale de prophylaxie de la cécité*), 47 rue de Bellechasse, Paris 7e; f. 1927. Object: To study through international investigation the causes which may result in blindness or impaired vision, to encourage and promote measures calculated to eliminate such causes, and to disseminate knowledge on all matters pertaining to the use and care of the eyes.

Pres. Prof. A. FRANCESCHETTI (Switzerland); Gen. Sec. Dr. J. P. BAILLIART (France). Publ. *Journal of Social Ophthalmology* (twice a year).

International Association of Allergology (*Association Internationale d'Allergologie*), 197 Boul. St. Germain, Paris VII, France; f. 1945. Object: To further work in the educational, research and practical medical aspects of allergy diseases. Membership: 28 national societies.

Pres. BERNARD N. HALPERN (France); Sec.-Gen. CHARLES H. A. WALTON (Canada).

International Association of Gerontology (*Association internationale de gérontologie*), De Gamles By, Norre Allee 41, Copenhagen; f. 1950 to promote contacts between people interested in the study of gerontology and to organise meetings and congresses. Mems.: 31 national societies and groups in 30 countries.

Pres. Dr. T. GEILL (Denmark); Sec. CLARK TIBBITTS (U.S.A.); Treas. Dr. H. T. BLUMENTHAL (U.S.A.).

International Association of Microbiological Societies (IAMS) (*Association Internationale des societes de microbiologie*), Division of Applied Biology, National Research Council, Ottawa 2, Canada; f. 1930.

Pres. Dr. A. LWOFF (France); Vice-Pres. Dr. C.-G. HEDÉN (Sweden); Sec.-Gen. Dr. N. E. GIBBONS.

International Cardiovascular Society (*Société Internationale Cardiovasculaire*), 715 Park Avenue, New York 21; f. 1950; to stimulate research and to exchange ideas on an international basis.

Sec.-Gen. Dr. HENRY HAIMOVICI.

International College of Surgeons, The (*Le Collège International de Chirurgiens*), 1516 Lake Shore Drive, Chicago 10, Ill., U.S.A.; f. Geneva 1935, inc. Washington 1940. Organised as a world-wide institution for the advancement of the art and science of surgery, and to create a common bond among the surgeons of all nations and promote the highest standards of surgery without regard to nationality, creed, or colour; about 12,000 mems.

Pres. Dr. LYON H. APPLEBY (Canada); Sec.-Gen. Dr. HORACE E. TURNER (U.S.A.); 140 mems. of Board of Governors. Publ. *Journal of the I.C.S.* (monthly).

International Committee of Military Medicine and Pharmacy (*Comité international de médecine et de pharmacie militaires*), Hôpital Militaire, Liège; f. 1921. Object: To promote world co-operation on questions of military medicine and to foster its international and humanitarian character. The Committee convokes biannual congresses of authorities of many nations and co-operates to some extent with the International Red Cross Committee. It also administers the *International Military Medical Record Office* (Office International de Médecine Militaire), f. 1930. Seventy-three countries are represented on the Committee.

Hon. Pres. Major-Gen. CHARLES R. REYNOLDS (U.S.A.), Col. Brig. MEULI (Switzerland), Gen. Brig. LANDERO RAMIREZ (Mexico); Inspector-Gen. L. JAME (France), Lieut.-Col. FELTEN (Luxembourg); Lt.-Gen. GOJKO NIKOLIS (Yugoslavia); Pres. Gen. A. AYADI (Iran); Sec.-Gen. Gen. J. VONCKEN (Belgium); Congress Sec. Gen. A. FAKHRAI (Iran).

International Congress of Oto-rhino-laryngology (*Congrès International d'Oto-rhino-laryngologie*), Secretariat: 6 avenue MacMahon, Paris 17e; f. 1928. Aims: to promote scientific and clinical research into oto-rhino-laryngology. Mems.: from 68 countries.

Pres. Prof. M. AUBRY (France); Sec.-Gen. H. GUILLON (France).

International Congresses on Tropical Medicine and Malaria (*Congrès Internationaux de Médicine Tropicale et de Paludisme*), Secretariat: Av. General Justo 365, 9°, Cx. P. 1859; to work towards the solution of the problems concerning malaria and tropical diseases.

Pres. Prof. J. RODRIGUES DA SILVA; Sec.-Gen. Dr. F. NERY GUIMARAES (Brazil).

International Dental Federation (*Fédération Dentaire Internationale*); f. 1900.

Sec. Gen. G. H. LEATHERMAN, 35 Devonshire Place, London, W.1. Publ. *International Dental Journal and News Letter* (quarterly).

International Diabetes Federation (*Fédération internationale du diabète*), Burg. Patynlaan 65, The Hague, Netherlands; f. 1949 to help in the collection and dissemmination of information regarding diabetes and to foster the welfare of people suffering from that disease. Member organisations in 29 countries.

Pres. H. F. ROOT, M.D. (U.S.A.); Sec. Dr. JAC. J. WITTE (Netherlands); Treas. D. H. BROWN (United Kingdom). Publ. *News Bulletin*.

International Federation of Anatomists (*Fédération internationale des anatomistes*), 31 rue Lionnois, Nancy, France; f. 1955.

Sec.-Gen. Prof. A. BEAU.

International Federation of Ophthalmological Societies (*Federation Internationale des Sociétés d'Ophthalmologie*), f. 1953.

Sec. Prof. Dr. JULES FRANÇOIS, 15 Place de Smet de Naeyer, Ghent, Belgium.

International Federation of Physical Medicine (*Fédération Internationale de Médecine Physique*), 47 Lincoln's Inn Fields, London, W.C.2; f. 1952.

Sec. PHILIPPE BAUWENS.

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International Federation of Societies for Electroencephalography and Clinical Neurophysiology (*Fédération Internationale des Sociétés d'Electro-encéphalographie et de Neurophysiologie Clinique*), f. 1949. Object: To attain the highest level of knowledge in the field of electro-encephalography and clinical neuro-physiology in all the countries of the world; 25 mem. organisations (nat. societies).

Pres. Prof. MARY A. B. BRAZIER (U.S.A.); Sec. Dr. R. G. NAQUET, 23 Rue de la Loge, Marseille 2e, France. Publ. *The EEC Journal* (bi-monthly).

International League Against Epilepsy (*Ligue internationale contre l'épilepsie*), c/o 87 Boulevard Périer, Marseilles, France; f. 1909 to collect and disseminate information concerning epilepsy and foster co-operation with other international institutions in similar fields. Mems.: national organisations and individuals in 23 countries.

Pres. L. MCNAUGHTON (Canada); Sec.-Gen. H. GASTAUT (France). Publ. *Epilepsia* (quarterly).

International League Against Rheumatism (*Ligue Internationale contre le Rhumatisme*); f. 1928. Objects: To promote international co-operation for the study and control of rheumatic diseases; to encourage the foundation of national leagues against rheumatism; to organise regular international congresses and to act as a connecting link between national leagues and international organisations.

Pres. ROBLES-GIL (Mexico); Sec.-Treas. Dr. FLORIAN DELBARRE, 15 rue Gay-Lussac, Paris 5e, France. Publs. *Annals of the Rheumatic Diseases* (in England) and *Revue de Rhumatisme* (in France).

International League of Dermatological Societies (*Ligue internationale des sociétés dermatologiques*), Karolinska Sjukhuset, Stockholm 60, Sweden; f. 1957 to promote contacts between dermatologists, to represent their interests at the international level and generally to advance their work. Member societies in 30 countries.

Chair. Prof. MARION SULBERGER (U.S.A.); Sec.-Gen. and Treas. Prof. SVEN HELLERSTRÖM (Sweden).

International Leprosy Association (*Société internationale de la lèpre*), 8 Portman Street, London, W.1, England; f. 1931 to promote international co-operation in work on leprosy.

Gen. Sec.-Treas. Dr. J. R. INNES (U.K.). Publ. *International Journal of Leprosy* (quarterly).

International Medico-Athletic Federation (*Fédération internationale de Medicine Sportive*), c/o Prof. GIUSEPPE LA CAVA, Sec.-Gen., Via A. Serra 104, Rome, Italy; f. 1928; publ. *Journal of Sports Medicine and Fitness* (quarterly).

International Neurological Congresses (*Congrès Neurologiques internationaux*), c/o Dr. G. ALEMÀ, Viale dell' Università 30, Rome, Italy; Congresses meet every 4 years, the next Congress will take place in Vienna in June 1965

Sec.-Gen. Dr. TSCHAHITSCHEV of the Univ. of Vienna.

International Paediatric Association (*Association Internationale de Pédiatrie*); f. 1912.

Pres. CH. A. JANEWAY, M.D. (U.S.A.); Sec.-Gen. Prof. G. FANCONI, Kinderspital, Steinwiesstr. 75, Zürich 32, Switzerland.

International Society for the Rehabilitation of the Disabled (*Société Internationale pour la Réduction des Infirmes*), 701 First Avenue, New York 17, N.Y., U.S.A.; f. 1929; publs. *Review* (quarterly), *Prosthetics Journal* (3 times a year).

International Society of Audiology (*Société Internationale d'Audiologie*), 4 rue Montvert, Lyon 8e, France; f. 1952; 260 individual mems.

International Society of Blood Transfusion (*Société Internationale de Transfusion Sanguine*), 6 Rue Alexandre Cabanel, Paris 15e, France; f. 1938. Mems.: about 750 in 52 countries.

Pres. J. J. VAN LOGHEM (Netherlands); Sec.-Gen. V. P. SOULIER (France). Publ. *Vox Sanguinis.*

International Society of Cardiology (*Société internationale de cardiologie*), via Savoia 80, Rome; f. 1946. Aims to stimulate the development of cardiology in its theoretical and practical aspects and to encourage contacts and the exchange of material between its affiliated societies; organises world congresses every four years.

Pres. IGNACIO CHAVEZ (Mexico); Sec.-Gen. VITTORIO PUDDU (Italy).

International Society of Clinical Pathology (*Société internationale de biologie clinique*), f. 1947. Objects: to initiate permanent co-operation between the national associations of Clinical Pathology of the member countries or groups of countries; to co-ordinate their scientific and technical means of action; and to promote the development of Clinical Pathology in every aspect of its field of interest, especially by convening conferences, congresses and meetings, and by the interchange of publications and personnel. Membership: 23 national associations.

Pres. Prof. T. DE SANCTIS MONALDI (Italy); Hon. Sec. Dr. J. UNGAR (Glaxo Laboratories Ltd., Greenford, Middlesex, England).

International Society of Criminology (*Société internationale de criminologie*), 28 avenue de Friedland, Paris 8e, France; f. 1934. Object: To promote the development of the sciences in their application to the criminal phenomenon; 800 mems.

Pres. THORSTEN SELLIN (U.S.A.); Vice-Pres. PAUL CORNIL (Belgium), ROLAND GRASSBERGER (Austria), NOËL MAILLOUX (Canada), LEONIDIO RIBEIRO (Argentina); Gen. Sec. JEAN PINATEL (France).

International Society of Geographical Pathology (ISGP) (*Société internationale de pathologie géographique—ISGP*), Schäublinstrasse 17, Basle, Switzerland; f. 1931 to study the relations which may exist between diseases and the geographical environments in which they occur. Mems.: national and regional committees in 42 countries.

Pres. Prof. E. CIARANFI (Italy); Vice-Pres. Prof. J. DELARUE (France), Prof. J. H. DIBLE (Great Britain); Sec.-Gen. Prof. F. C. ROULET (Switzerland). Publ. Transactions of the Conferences (published every third year).

International Society of the History of Medicine (*Société internationale d'histoire de la médecine*), f. 1921. Object: To study all questions relating to the history of biological and medical sciences.

Sec.-Gen. Dr. SONDERVORST (34 rue du Souci, Louvain, Belgium). Publs. *Bulletin* and *Memoires.*

International Society of Internal Medicine (*Société internationale de médecine interne*), Bürgerspital, Basle, Switzerland; f. 1948. Object: To encourage research and education in internal medicine; 3,000 mems. in 46 countries.

Pres. Dr. CARLOS JIMENEZ DIAZ; Sec. H. LUDWIG (Switzerland).

International Society of Orthopaedic Surgery and Traumatology (*Société internationale de chirurgie orthopédique et de traumatologie*), 34 rue Montoyer, Brussels, Belgium; f. 1929. Objects: To contribute to the progress

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of science by the study of questions pertaining to orthopaedic surgery and traumatology. Congresses are convened every three years. 47 member countries, 1,358 members.

Pres. BRYAN MCFARLAND (U.K.); Sec.-Gen. A. BAILLEUX (Belgium). Publ. *Publication des Congrès.*

International Society of Radiology (*Société International de Radiologie*), f. 1953. Objects: To develop and advance medical radiology by giving radiologists in different countries an opportunity of personally submitting their experiences, exchanging and discussing their ideas, and forming personal bonds with their colleagues; there are three permanent International Commissions: (*a*) on Radiological Protection, (*b*) on Radiological Units, (*c*) on Cancer Records; these Commissions meet during each Congress, held at three-yearly intervals.

Hon. Sec.-Treas. Prof. FLEMMING NØRGAARD, Kommunehospitalet, Copenhagen, Denmark.

International Society of Surgery (*Société internationale de chirurgie*), 43 rue des Champs-Elysées, Brussels Belgium; f. 1902.

Sec.-Gen. Prof. P. MARTIN (Belgium).

International Union against Cancer (*Union internationale contre le cancer*), c/o National Institutes of Health, Bethesda 14, Maryland, U.S.A.; f. 1933. Object: To maintain liaison between organisations devoted to the campaign against cancer, whether from the scientific or social aspect, by encouraging the organisation of undergraduate and post-graduate teaching in this field and the establishment of anti-cancer centres. Membership: 39 countries.

Pres. V. R. KHANOLKAR; Sec.-Gen. Dr. H. DORN (U.S.A.). Publ. *Acta* (quarterly).

International Union against Tuberculosis (*Union internationale contre la tuberculose*), 15 rue Pomereu, Paris 16e, France; f. 1920. Object: To co-ordinate the efforts of anti-tuberculosis associations, establish contact with other health organisations and to promote scientific conferences regarding tuberculosis. Mems. in 67 countries.

Exec. Dir. JOHS. HOLM, DR.MED.; Sec.-Gen. Prof. ETIENNE BERNARD. Publs. *Bulletin, Proceedings of International Conferences.*

International Union against the Venereal Diseases and the Treponematoses (*Union internationale contre le péril vénérien et les tréponématoses*), Institut A. Fournier, 25 Boulevard Saint-Jacques, Paris 14e; f. 1923. Mems. in 46 countries; has consultative status with W.H.O.

Pres. Dr. BRUCE WEBSTER (U.S.A.); Sec.-Gen. Prof. G. A. CANAPERIA, Via Salaria, 237, Rome, Italy.

International Union for Health Education (*Union internationale pour l'éducation sanitaire*), Secretariat: 3 rue Viollier, Geneva, Switzerland; Headquarters: Paris, France; f. 1951 to stimulate and facilitate health education activities by providing an international clearing house for the exchange of practical information on developments in health education; promoting research into effective methods and techniques in health education and encouraging professional training in health education for health workers, teachers, social workers and others, by means of standing committees, international conferences and regional seminars. Mems.: Groups and individuals in 48 countries.

Pres. Prof. G. CANAPERIA (Italy); Sec.-Gen. ANNETTE LE MEITOUR (France); Exec. Sec. SUSAN KING-HALL (U.K.). Publ. *International Journal of Health Education* (quarterly).

International Union of Biochemistry, *see under* International Council of Scientific Unions.

International Union of Nutritional Sciences (IUNS) (*Union Internationale des Sciences de la Nutrition*), f. 1946; to study the science of nutrition and its applications. Mems. from 36 countries.

Pres. Dr. D. P. CUTHBERTSON (U.K.); Sec.-Gen. Dr. L. J. HARRIS, Dunn Nutritional Laboratory, Milton Road, Cambridge, England.

International Union of Physiological Sciences (*Union Internationale des Sciences Physiologiques*), c/o The Secretary, Professor W. O. FENN, Medical Center, The University of Rochester, Rochester 20, N.Y., U.S.A.; f. 1953.

Pres. Sir LINDOR BROWN (U.K.); Vice-Pres. Prof. J. W. DUYFF (Netherlands), Prof. C. F. SCHMIDT (U.S.A.).

International Union of Railways Medical Services (*Union Internationale des Services, Médicaux des Chemins de Fer*), c/o Sec.-Gen., Dr. J. ORTÉGA, 13 rue de Château-Landon, Paris 10e, France; f. 1949.

International Union of Therapeutics (*Union Internationale de Therapeutique*), Faculté de Medicine, 12 rue de l'Ecole de Médicine, Paris 6e, France; f. 1934; 560 mems. from 22 countries.

Gen. Sec. Prof. A. LEMAIRE.

Medical Women's International Association (*Association Internationale des Femmes Médecins*); f. 1919 to facilitate contacts between medical women and to encourage their co-operation in matters connected with international health problems. Mems.: national associations in 31 countries and individuals.

Pres. Dr. FE DEL MUNDO (Philippines); Sec.-Gen. Dr. VERA J. PETERSON (U.S.A.), 29 Route de Malagnou, Geneva, Switzerland.

Permanent International Committee of Congresses of Comparative Pathology (*Comité International Permanent des Congrès de Pathologie Comparée*), c/o 63 avenue de Villiers, Paris 17e, France; f. 1912; to study social maladies of man, animals and plants. Mems.: national committees.

Pres. LEON BINET (France); Sec. L. GROLLET (France). Publ. *Revue de Pathologie générale et de physiologie clinique.*

World Federation for Mental Health (*Fédération mondiale pour la Santé Mentale*), 1 Rue Gevray, Geneva, Switzerland; f. 1948. Objects: To promote among all people and nations the highest possible standard of mental health in the broadest biological, medical, educational, and social aspects; to work with ECOSOC, UNESCO, the World Health Organisation, and other agencies of the United Nations, in so far as they promote mental health; to help other voluntary associations in the improvement of mental health services; and to further the establishment of better human relations; 144 mem. associations in 46 countries and 4 dependencies.

Dir. FRANÇOIS CLOUTIER; Scientific Adviser KENNETH SODDY, M.D.; Sec.-Gen. Miss E. M. THORNTON, M.A. Publs. *World Mental Health* (quarterly), *Annual Report.*

World Federation of Neurology (*Fédération Mondiale de Neurologie*), Institut Bunge, 59 rue Philippe Williot, Berchem-Antwerp, Belgium; f. 1957; publs. *Bulletin of Neurological Sciences, Acta Neuropathologica, Journal für Hirnforschung, Journal de Génétique Humaine.*

World Federation of Societies of Anaesthesiologists—WFSA (*Fédération mondiale des sociétés d'anesthésiologistes*), 17 Burghley Road, London, S.W.19; f. 1955. Aims: to make available the highest standards of anaesthesia to all peoples of the world. Mems.: Societies in 38 countries.

Sec.-Treas. Dr. G. ORGANE (Great Britain).

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World Medical Association (*Association Médicale Mondiale*), 10 Colombus Circle, New York 19, N.Y. f. September 1947. Objects: To promote closer ties among the national medical organisations and among the doctors of the world by personal contact and all other means available; to maintain the honour and interests of the medical profession; to study and report on the professional problems which confront the medical profession in the different countries; to organise an exchange of information on matters of interest to the medical profession; to establish relations with, and to present the views of, the medical profession to the World Health Organisation, UNESCO, and other appropriate bodies; to assist all peoples of the world to attain the highest possible levels of health. The unit of membership is the national medical association: that is, the professional organisation which is most fully representative of the profession in any country or territory. At present, fifty-seven national medical associations are members.

Sec.-Gen. Dr. H. S. GEAR; Treas. Dr. ERNST FROMM (Germany). Publ. *World Medical Journal.*

World Organisation of Gastroenterology (*Organisation mondiale de gastro-entérologie-OMGE*), f. 1935 to conduct research and contribute to the progress generally of the study of gastroenterology. Member societies and groups in 45 countries.

Pres. Dr. THOMAS HUNT, 4 Upper Harley Street, London, N.W.1; Sec.-Gen. Dr. GEOFFREY WATKINSON (G.B.); Treas. Dr. H. MARVIN POLLARD (U.S.A.).

World Psychiatric Association (*Association Mondiale de Psychiatrie*), 1 rue Cabanis, Paris 14e, France; f. 1961; to establish links between Psychiatric Associations throughout the world.

Pres. Dr. EWEN CAMERON; Gen. Sec. Dr. HENRI EY.

ASSOCIATE MEMBERS OF CIOMS

American College of Chest Physicians, 112 East Chestnut Street, Chicago 11, Ill., U.S.A.; f. 1935.

Pres. HOLLIS E. JOHNSON (U.S.A.); Exec. Dir. MURRAY KORNFELD (U.S.A.); publ. *Diseases of the Chest.*

Asia Pacific Academy of Ophthalmology, 1013 Bishop Street, Honolulu, Hawaii.

Sec.-Gen. Dr. W. J. HOLMES.

European Society of Cardiology (*Société Européenne de Cardiologie*), 80 rue Mercelis, Brussels, Belgium; f. 1949.

International Epidemiological Association (*Association Internationale d'Epidemiologie*), c/o Dr. J. PEMBERTON, Treas. and Membership Sec., Dept. of Social and Preventive Medicine, Queen's University, Belfast, N. Ireland; f. 1954; publ. *Bulletin* (bi-annual).

International Society for Clinical Electroretinography (*Société Internationale d'Electroretinographie Clinique*), 180 Schiedamsevest, Rotterdam 1, Netherlands; f. 1958; publ. *Bibliographic Service and Newsletter.*

International Society for Normal and Abnormal Ethnopsychology (*Société Internationale d'Ethnopsychologie Normale et Pathologie*), 96 rue Pierre-Demours, Paris 17e, France; f. 1955.

International Society of Hydatidosis (*Société Internationale d'Hydatidologie*), c/o Dr. A. FERRO, Sec.-Gen., Lavalle 636, Azul, Argentina; f. 1941; publ. *Archivos Internacionales de la Hidatidosis.*

International Society of the Psychopathology of Expression (*Société Internationale de Psychopathologie de l'Expression*), c/o Prof. R. VOLMAT, 1 rue Cabanis, Paris 14e, France; f. 1959.

World Veterinary Association (*Association Mondiale Vétérinaire*), A. Van Ostadelaan 137, Utrecht, Netherlands; f. 1959.

International Academy of Pathology (*Académie internationale de pathologie*) (formerly the International Association of Medical Museums), Armed Forces Institute of Pathology, S.W., Washington 25, D.C., U.S.A.; f. 1906. Objects: The advancement of pathology through improvement of methods of teaching pathology in medical schools, laboratories, hospitals and medical museums; co-ordination of pathological anatomy and physiology and comparative pathology with allied sciences and techniques; promotion of research in pathology and pathological techniques; and publication of a journal for dissemination of work in these fields. 800 mems.

Sec.-Treas. Dr. F. K. MOSTOFI (Washington, D.C.). Publ. *Laboratory Investigation* (six times a year), Editor Dr. THOMAS D. KINNEY, Cleveland, Ohio.

International Association for Child Psychiatry and Allied Professions (*Association internationale de psychiatrie infantile et des professions affiliées*), 5 Camilla Nielsenvej, Copenhagen F, Denmark; f. 1948 to promote scientific research in the field of child psychiatry by collaboration with allied professions. Mems.: national associations and individuals in 23 countries.

Pres. D. ARN VAN ISREVELEN (Holland); Sec.-Gen. KIRSTEN VEDEL RASMUSSEN (Denmark); Treas. GERALD CAPLAN (U.S.A.). Publ. *Acta paedopsychiatrica* (bi-monthly).

International Association of Applied Psychology (*Association internationale de psychologie appliquée*), 41 rue Gay-Lussac, Paris 5e, France; f. 1920, present title adopted in 1955. Aims: to establish contacts between those carrying out scientific work on applied psychology, to promote research and the adoption of measures contributing to this work. Members: 600 in 41 countries.

Past Pres. Dr. C. B. FRISBY (Great Britain); Pres. Prof. M. S. VITELES (U.S.A.); Vice-Pres. Prof. L. CANESTRELLI (Italy); Sec.-Gen. Prof. R. BONNARDEL (France); Treas. Dr. M. COUMETOU (France). Publ. *Bulletin* (every six months).

International Brain Research Organization (IBRO), c/o Department of Natural Sciences, UNESCO, Place de Fontenoy, Paris 7e; f. 1960.

Exec. Sec. Dr. HEINRICH WAELSCH.

International Federation of Gynaecology and Obstetrics (*Fédération internationale de gynécologie et d'obstétrique* (*FIGO*)), Maternité, rue Alcide Jentzer, Geneva, Switzerland; f. 1954; assists and contributes to research in gynæcology and obstetrics; aims to facilitate the exchange of information and perfect methods of teaching; organises international congresses. Membership: National societies in 60 countries.

Pres. of Bureau HOWARD C. TAYLOR, Jr. (U.S.A.); Sec.-Gen. Prof. H. DE WATTEVILLE (Switzerland).

International Federation of Physical Education (*Fédération Internationale d'Education Physique—FIEP*), 22 Rua das Amoreiras, Lisbon; f. 1923. Aims at national physical education; organises int. congresses and courses.

Pres. Dr. P. E. A. L. O'OLIVEIRA. Publ. *F.I.E.P. Bulletin* (quarterly).

International Federation of Surgical Colleges (*Fédération Internationale des Collèges de Chirurgie*), Secretariat: Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2, England; f. Stockholm 1958.

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Object: The improvement and maintenance of the standards of surgery throughout the world, by maintenance of close relations among approved surgical colleges and kindred institutions, and encouragement of high standards of education, training and research; provision of surgery of high standard to all countries requesting aid. Membership: 31 national colleges or societies.

Pres. Sir HARRY PLATT, Bt. (U.K.); Vice-Pres. Dr. I. S. RAVDIN (U.S.A.) and Prof. E. DAHL-IVERSEN (Denmark); Sec. and Treas. KENNEDY CASSELS (U.K.).

International Federation of Thermalism and Climatism (*Fédération internationale du thermalisme et du climatisme*), Stadtbachstr. 12, Baden, Switzerland; f. 1947. 23 member countries.

Chair. A. SCHIRMER.

International Hospital Federation (*Fédération internationale des hopitaux*), The Hospital Centre, 24 Nutford Place, London, W.1; f. 1947. Objects: To establish an information bureau on matters connected with hospital work and practice; to set up international study committees and to publish reports of their work; to organise international hospital congresses, study tours and study courses in hospital work; to publish an international hospital journal in English and French; 4 categories of members: national hospital organisations; professional organisations, regional groups of hospitals, individual hospitals; individual members; industrial members.

Pres. Dr. EDWIN L. CROSBY (U.S.A.); Sec.-Gen. and Treas. Dr. J. C. J. BURKENS (Netherlands); Dir.-Gen. D. G. HARINGTON HAWES (U.K.). Publ. *News Bulletin* (bi-monthly; English and French).

International Organisation Against Trachoma (*Organisation internationale contre le trachome*), 94 rue Sylvabelle, Marseilles, France; f. 1929 by the International Congress of Ophthalmology for the research and study of trachomatous conjunctivitis (trachoma).

Pres. Prof. G. B. BIETTI (Rome); Sec.-Gen. Dr. JEAN SÉDAN (France). Publ. *International Review of Trachoma* (quarterly).

International Scientific Committee for Trypanosomiasis Research (*Comité scientifique internationale de recherches sur la trypanosomiase*), Secretariat: CCTA/CSA, Ports Authority Building, Marina P.M.B. 2359, Lagos, Nigeria; f. 1949. Objects: To review the work on tsetse and trypanosomiasis problems carried out by the organisations and workers concerned in laboratories and in the field; to stimulate further research and discussion and to promote co-ordination between research workers and organisations in the different countries in Africa, and to provide a regular opportunity for the discussion of particular problems and for the exposition of new experiments and discoveries.

International Society for Research on Nutrition and Vital Substances (*Internationale Gesellschaft für Nahrungs- und Vitalstoff-Forschung*): Bemeroder Strasse 61, Hannover-Kirchrode, Germany (F.D.R.); research into the improvement of foodstuffs by ensuring retention of their natural properties; combat the use of chemical products; prohibit harmful additives. Mems.: National Societies and individuals in 65 countries.

Pres. Prof. Dr. phil. habil. H. A. SCHWEIGART; publ. *Vitalstoff-Zivilisationskrankheiten* (Vital substances, Diseases of Civilisation, 7 vols. a year).

International Society of Haematology (*Société internationale d'hématologie*); f. 1946. Objects: To promote and foster the exchange and diffusion of information and ideas relating to blood and blood-forming tissues throughout the world; to provide a forum for discussion of haematologic problems on an international scale and to encourage scientific investigation of these problems; to promote the advancement of haematology and its recognition as a branch of the biological sciences; to attempt to standardise on an international scale haematologic methods and nomenclature; to promote a better understanding of the scientific basic principles of haematology among practitioners of haematology and physicians in general, and to foster better understanding of and greater interest in clinical haematologic problems among scientific investigators in the field of haematology; 1,063 mems.

Sec.-Gen. (Western Hemisphere) JAMES TULLIS (U.S.A.), 1101 Beacon Street, Boston 46, Mass., U.S.A.; Sec.-Gen. (Eastern Hemisphere) G. MATHE (France), 11 *bis* rue Valentin Haüy, Paris 15e, France. Publs. *News Letter* (quarterly) *Congress Proceedings* (biennially).

International Society of Medical Hydrology (*Société internationale d'hydrologie médicale*), Via Lamarmora 34, Florence, Italy; f. 1922; 236 mems.

Pres. (Vacant); Hon. Sec. Dr. G. AMMIRANDOLI (Italy); Hon. Treas. Dr. ATTILIO VALENTE. Publ. *Archives of Medical Hydrology* (quarterly).

International Society of Urology (*Société internationale d'urologie*), 63 avenue Niel, Paris 17e, France; f. 1919; national committees and individual members in 43 countries.

Sec.-Gen. Prof. RENÉ KÜSS.

International Union of Scientific Psychology, f. 1951 at the thirteenth International Congress of Psychology (the first of which took place in 1889); congresses are held as a rule every three years. Membership: 23 national societies.

Sec.-Gen. Dr. ROGER W. RUSSELL, Dept. of Psychology, Univ. of Indiana, Bloomington, Indiana, U.S.A.

Pan-American Medical Association, 745 Fifth Avenue, New York 22, N.Y., U.S.A.; f. 1925. Objects: To promote closer relations among physicians, to grant post-graduate scholarships, to establish post-graduate medical teaching centres, and to take all possible steps to advance medical knowledge and co-operation in the western hemisphere. Organises Pan-American medical congresses.

Dir.-Gen. JOSEPH J. ELLER, M.D.

Permanent International Commission on Industrial Medicine (*Commission Permanente et Association Internationale pour la Médecine du Travail*), Sodra Blasieholmshamnen 4A, Stockholm, Sweden; f. 1906 to organise international meetings, to study new facts in the field of industrial medicine, to draw the attention of authorities to the results of study and investigation in industrial medicine, and to organise competitions on national or international problems of industrial medicine. Membership: 212 representatives from 36 states.

Pres. Prof. SVEN FORSSMAN (Sweden); Vice-Pres. Prof. LEONARD GREENBURG (U.S.A.); Gen. Sec. and Treas. Prof. ENRICO C. VIGLIANI.

World Confederation for Physical Therapy, Eastbury House, Albert Embankment, London, S.E.1; f. 1951 to encourage improved standards of physical therapy in training and practice; to promote exchange of information between nations; to assist the development of informed public opinion regarding physical therapy; to co-operate with appropriate agencies of U.N. and national and international organisations; mem. countries: Australia, Belgium, Canada, Colombia,

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Denmark, Finland, France, Great Britain, Israel, Netherlands, New Zealand, Norway, South Africa, Sweden, U.S.A. and W. Germany.

Pres. Exec. Cttee. Mrs. RUDIE AGERSNAP (Denmark). Sec.-Gen. Miss M. J. NEILSON, M.B.E. (U.K.). Publ. *Bulletin* (twice yearly); fourth internat. congress, Copenhagen, 1963.

World Federation of Neurosurgical Societies (*Fédération Mondiale des Sociétés de Neurochirurgie*), 601 N. Broadway, Baltimore 5, Md., U.S.A.; to facilitate the exchange of knowledge and to encourage research. Mems.: representatives from 50 countries.

Pres. Prof. EDUARD BUSCH (Denmark); Sec.-Gen. Dr. BRONSON S. RAY (U.S.A.).

MUSIC

International Music Council—IMC (*Conseil international de la musique*), Place de Fontenoy, Paris 7e, France; f. 1949 under the auspices of UNESCO to foster the exchange of musicians, music (written and recorded), and information; to support contemporary composers and young professional musicians; to foster appreciation of music by the public. Mems.: 9 international non-governmental organisations, national committees in Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, China, Cuba, Czechoslovakia, Denmark, Finland, France, Germany, Hungary, Iceland, Iran, Israel, Italy, Japan, Korea, Luxembourg, Mexico, Netherlands, Norway, Pakistan, Peru, Philippines, Poland, Rumania, Spain, Sweden, Switzerland, Tunisia, U.S.S.R., U.K., Uruguay, U.S.A., Venezuela, Yugoslavia.

Chair. MARIO LABROCA (Italy); Sec.-Gen. EGON KRAUS (Germany).

MEMBERS OF IMC

International Confederation of Popular Music Societies (*Confédération internationale des sociétés populaires de musique*), 23 Rue des Ardennes, Luxembourg; f. 1949 to promote the formation and development of popular music societies and to encourage the development of musical appreciation. Member federations in 14 countries.

Pres. A. SCHOENTGEN (Luxembourg); Sec.-Gen. YVON CHRISTNACH (Luxembourg).

International Federation of Musical Youth (*Fédération internationale des jeunesses musicales*), Palais des Beaux-Arts, 11 rue Baron Horta, Brussels, Belgium; f. 1945 to promote the development of musical appreciation among young people, to encourage the creation of new societies and to ensure co-operation between national societies. Member organisations in 23 countries.

Sec.-Gen. PAUL WILLEMS (Belgium); Exec. Sec. HADELIN DONNET (Belgium). Publ. *Rapport Annuel de l'Assemblée Générale.*

International Federation of Musicians (*Fédération internationale des musiciens*), 35 Talacker, Zürich 1, Switzerland; f. 1948 to promote and protect the interests of musicians in affiliated unions and to institute protective measures to safeguard musicians against the abuse of their performances; promotes the international exchange of musicians and agreements on the terms of co-operation of performers in Eurovision programmes. Mems.: 27 national unions totalling 96,000 members in 23 countries.

Pres. HARDIE RATCLIFFE (U.K.); Gen. Sec. RUDOLF LEUZINGER (Switzerland).

International Folk Music Council (*Conseil international de la musique populaire*), 35 Princess Court, Queensway, London, W.2; f. 1947 to further the preservation, study and practice of the folk music (including dance) of all countries; annual conferences.

Pres. ZOLTÁN KODÁLY (Hungary); Exec. Sec. R. W. I. BAND (U.K.); Treas. W. S. GWYNN WILLIAMS (U.K.). Publ. *Journal.*

International Musicological Society (*Société internationale de musicologie*), *see under* International Council for Philosophy and Humanistic Studies.

International Society for Contemporary Music (*Société internationale pour la musique contemporaine*), 7 Place de la République, Strasbourg, France; f. 1922 to promote the development of contemporary music and to organise an annual World Music Festival. Member organisations in 24 countries.

Pres. HEINRICH STROBEL (Germany); Sec.-Gen. PIERRE STOLL (France).

The International Committee for the Standardisation of Instrumental Music, the International Association of Music Libraries (*see under* Bibliography) and the International Society for Music Education are also members of the Council.

OTHER ORGANISATIONS

European Association of Music Festivals (*Association européenne des festivals de musique*), Centre Européen de la Culture, 122 rue de Lausanne, Geneva, Switzerland; f. 1951. Aims to maintain high artistic standards in festivals, widen the field of operation, organise joint propaganda and publicity. Mems.: 22 festivals in Austria, Czechoslovakia, Finland, France, Germany, Greece, Italy, Netherlands, Sweden, Switzerland, Yugoslavia.

Pres. DENIS DE ROUGEMONT (Switzerland); Artistic Counsellor FRANZ WALTER. Publ. Annual programme *Season* in four languages.

International Council of Composers (*Conseil international des compositeurs*), c/o 72 (9) Courtfield Gardens, London, S.W.5; f. 1954.

Pres. KARL HÖLLER (Germany); Vice-Pres. KLAUS EGGE (Norway); Secs. GUY WARRACK (U.K.), POUL ROVSING OLSEN (Denmark), JÓN LEIFS (Iceland), OLAVI PESONEN (Finland); Treas. INGEMAR LILJEFORS (Sweden).

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SCIENCE

Association for the Taxonomic Study of Tropical African Flora (*Association pour l'Etude Taxonomique de la Flore d'Afrique Tropicale*), c/o Istituto Botanico "Hanbury", Università, Corso Dogali 1/c, Genoa, Italy; f. 1950. Mems.: 378 individuals from 37 countries.

Sec.-Gen. Prof. Dr. R. E. G. PICHISERMOLLI (Italy).

Association Internationale pour le Calcul Analogique (ASICA), 50 Avenue Franklin D. Roosevelt, Brussels; f. 1955; to further at an international level the study of calculus. Mems.: individuals and associates.

Pres. J. HOFFMANN (Belgium); Acting Sec.-Gen. ROBERT GOMPERTS (Belgium). Publ. *Annales de l'Association.*

Biometric Society, The (BS) (*Société internationale de biométrie*), Ecole Polytechnique Fédérale, Zürich, Switzerland; f. 1947; an international society for the advancement of quantitative biological science through the development of quantitative theories and the application, development and dissemination of effective mathematical and statistical techniques; the Society has eleven regional organisations, is affiliated with the International Statistical Institute and the World Health Organisation, and constitutes the Section of Biometry of the International Union of Biological Sciences. Mems.: over 2,000 in 50 different countries.

Sec. Prof. Dr. H. L. LE ROY. Publ. *Biometrics* (quarterly).

Charles Darwin Foundation for the Galapagos Isles (*Fundaçion Charles Darwin para las Islas Galapagos*), Palais des Académies, Brussels 1, Belgium; f. 1959 to organise and maintain the research station "Charles Darwin", which the Ecuador Government has authorised to be established in the Galapagos Archipelago on the occasion of the centenary of the announcement of the theory of evolution. Mems.: 14.

Pres. of Honour Sir JULIAN HUXLEY, F.R.S. (Great Britain); Pres. Dr. VICTOR VAN STRAELEN (Belgium); Vice-Pres. Dr. LUIS JARAMILLO (Ecuador); Secs. Dr. JEAN DORST (France), Dr. ROBERT BOWMAN (U.S.A.).

Euratom (*European Atomic Energy Commission*), 51-53 Rue Belliard, Brussels. Based on a formal treaty signed in Rome on March 25th, 1957, and ratified by the six countries of the European Coal-Steel Community: Belgium, France, Italy, Luxembourg, Holland, and West Germany. It aims to integrate the programme of the six countries for the peaceful uses of atomic energy.

Pres. PIERRE CHATENET (France); Vice-Pres. ENRICO MEDI; Sec.-Gen. CHRISTIAN CALMES (Luxembourg).

European Organisation for Nuclear Research (CERN) (*Organisation européenne pour la Recherche nucléaire*), Geneva 23, Switzerland; established in 1954 under the auspices of UNESCO. A co-operative organisation formed by the governments of Austria, Belgium, Denmark, France, German Federal Republic, Greece, Italy, The Netherlands, Norway, Spain, Sweden, Switzerland and United Kingdom for the purpose of furthering nuclear research with particular reference to the phenomena involving very high energies and throwing light on the nature of elementary particles. The construction of the laboratories in Geneva started early in 1954 and the first of the two particle accelerators, a synchro-cyclotron (600 million electron volts) started operating in August 1957. The larger machine, the proton synchroton (28,000 million electron volts) was inaugurated in February 1960. Total staff at the end of May 1963 was 1,342.

Pres. of the Council JEAN WILLEMS (Belgium); Dir.-Gen. V. F. WEISSKOPF.

Foundation for International Scientific Co-ordination (*Fondation "pour la science", Centre international de Synthèse*), 12 rue Colbert, Paris 2e, France; f. 1924.

Founder HENRI BERR; Gen. Sec. PAUL CHALUS (France). Publs. *Revue de Synthèse, Revue d'Histoire des Sciences et de leurs applications, Semaines de Synthèse.*

International Academy of Astronautics (IAA) (*Académie Internationale d'Astronautique*), 5 rue du 4 Septembre, Paris 2e, France; f. 1960 at the XI Congress of the International Astronautical Federation; holds scientific meetings and makes scientific studies and reports, awards and prizes, including the annual Daniel and Florence Guggenheim International Astronautics Award of $1,000, and fellowships; maintains an International Lunar Laboratory (LIL) Committee; mems (1962): 139 from 22 countries.

Dir. (Vacant); Dep. Dirs. F. J. MALINA (U.S.A.), U. S. VON EULER (Sweden); Trustees: Section 1, Basic Sciences—A. EHMERT (Germany) (Chair.), N. BONEFF (Bulgaria), J. KAPLAN (U.S.A.), A. C. B. LOVELL (U.K.); Section 2, Engineering Sciences—R. PESEK (Czechoslovakia) (Chair.), E. A. BRUN (France), A. EULA (Italy), J. M. J. KOOY (Netherlands); Section 3, Life Sciences—M. FLORKIN (Belgium) (Chair.), W. R. LOVELACE II (U.S.A.), A. MEYER (Germany). Publ. *Astronautica Acta* (6 issues a year).

International Association for Cybernetics (*Association internationale de cybernétique*), 13 rue Basse-Marcelle, Namur, Belgium; f. 1957 to ensure liaison between research workers engaged in various sectors of cybernetics, to promote the development of the science and of its applications and to disseminate information about it. Mems.: industrial firms and individuals in 32 countries.

Pres. Prof. GEORGES R. BOULANGER (Belgium); Managing Administrator J. LEMAIRE (Belgium); Treas. R. DETRY (Belgium). Publ. *Cybernetica* (quarterly).

International Association for Plant Taxonomy (*Association internationale pour la taxonomie végétale*), Bureau for Plant Taxonomy and Nomenclature, Lange Nieuwstraat 106, Utrecht, Netherlands; f. 1950 to promote the development of plant taxonomy and encourage contacts between people and institutes interested in this work. Mems.: Institutes and individuals in 70 countries.

Pres. W. ROBYNS (Belgium); Sec.-Gen. J. LANJOUW (Netherlands); Treas. F. A. STAFLEU (Netherlands). Publs. *Taxon* (9 a year), *Regnum vegetabile* (irregular).

International Association of Geodesy (*Association internationale de géodésie*), 19 rue Auber, Paris 9e, France; f. 1922 to organise geodetic enterprises and carry out documentation in the field of geodesy. Mems.: national committees in 61 countries.

Pres. Prof. CH. A. WHITTEN (U.S.A.); Sec. Ing. CH. J. J. LEVALLOIS (France). Publ. *Bulletin géodésique.*

International Association of Geomagnetism and Aeronomy —IAGA (*Association de geomagnétisme et d'aéronomie—AIGA*), Central Bureau, Observatorio del Ebro, Apdo. 9, Tortosa, Spain; f. 1919. Aims: the study of questions relating to geomagnetism and aeronomy and the encouragement of research. Mems.: the countries which

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adhere to the International Union of Geodesy and Geophysics, are eligible as members.

Pres. V. LAURSEN (Denmark); Vice-Pres. M. NICOLET (Belgium); N. PUSHKOV (U.S.S.R.); Sec.-Dir. J. O. CARDUS. Publs. *Transactions of the General Assemblies* (every three years).

International Association of Meteorology and Atmospheric Physics (IAMAP) (*Association Internationale de Météorologie et de Physique de l'Atmosphère*), c/o Meteorological Branch, Air Services, Dept. of Transport, 315 Bloor Street West, Toronto 5, Ontario, Canada; f. 1919; to relate meteorological research to the physics of the atmosphere and to other branches of science; an Association of the International Union of Geodesy and Geophysics.

Pres. Prof. H. R. BYERS (U.S.A.); Sec. Dr. W. L. GODSON (Canada).

International Association of Physical Oceanography—IAPO (*Association internationale d'océanographie physique—AIOP*), Oceanografiska Institutet Box 1038, Göteborg 4, Sweden; f. 1919 to promote the study of scientific problems relating to the Oceans, chiefly in so far as such study may be carried out by the aid of mathematics, physics and chemistry; to initiate, facilitate and co-ordinate research; to provide for discussion, comparison and publication. Mems.: 49 member states.

Pres. Dr. G. E. R. DEACON (Great Britain); Sec. Prof. B. KULLENBERG (Sweden). Publs. *Publications Scientifiques* (irregularly), *Procès-Verbaux of General Assemblies* (every third year).

International Association of Quaternary Research (*Association internationale pour l'etude du quaternaire*); f. 1928. Mems.: 400 in 35 countries.

Gen. Sec. Prof. RAJMUND GALON, Ul. Mickiewicza 61, Torun, Poland.

International Association of Scientific Hydrology (*Association internationale d'hydrologie scientifique*), 61 rue des Ronces, Gentbrugge, Belgium; f. 1924 to promote the study of hydrology, encourage and undertake research on problems necessitating international co-operation, and to ensure the dissemination of information concerning this research; special commissions on continental erosion, surface waters, subterranean waters, snow and glaciers. Mems.: academies of science and other national bodies appointed by their governments in 51 countries.

Pres. W. FRIEDRICH (Germany); Sec.-Gen. Prof. L. J. TISON (Belgium). Publs. *Bulletin de l'AIHS* (quarterly), *Bibliographie Hydrologique* (annual), *Comptes-Rendus et Rapports des Assemblées et Symposia* (annual).

International Association of Sedimentology (*Association Internationale de Sedimentologie*), c/o Dr. D. J. DOCGLAS, Geological Institute, Wageningen, Netherlands; f. 1952.

Pres. F. P. SHEPARD (U.S.A.); Sec.-Gen. A. VATAN. Publs. *Comptes rendus, Bibliographie internationale* (1959).

International Association of Seismology and Physics of the Earth's Interior (IASPEI) (*Association Internationale, de Seismologie et de Physique de l'Intérieur de la Terre*), c/o 38 Boul. d'Anvers, Strasbourg, France; f. 1901; to develop studies in the economic, social and scientific aspects of seismology.

Pres. Prof. P. BYERLY (U.S.A.); Sec.-Gen. Prof. J. P. ROTHÉ (France). Publs. *Travaux scientifiques, Bulletin mensuel, International Seismological Summary.*

International Association of Theoretical and Applied Limnology (*Association internationale de Limnologie Théoretique et Appliquée*), Freshwater Biological Association, Ferry House, Far Sawrey, Ambleside, Westmorland, England; f. 1922; about 1,200 mems.

Pres. Prof. G. E. HUTCHINSON (U.S.A.); Gen. Sec. and Treas. Dr. T. T. MACAN (U.K.). Publs. *Verhandlungen der internationalen Vereinigung für Limnologie, Mitteilungen.*

International Association of Vulcanology (IAV) (*Association Internationale de Volcanologie*), c/o Prof. Ing. FRANCESCO PENTA, Sec., Istituto di Geologia Applicata, Facoltà di Ingegneria, Università, Via Eudossiana 18, Rome; f. 1919; to examine scientifically all aspects of vulcanology.

Pres. A. RITTMANN (Switzerland); Sec. Prof. PENTA (Italy).

International Association of Wood Anatomists (*Association Internationale des Anatomistes du Bois*), c/o Institut für Allgemeine Botanik ETH, Universitätstrasse 2, Zürich 6, Switzerland; f. 1931; for the purpose of study, documentation and exchange of information on the anatomy of wood. Mems.: 147 in 31 countries.

Sec.-Treas. Prof. Dr. A. FREY-WYSSLING. Publ. *News Letter.*

International Astronautical Federation (IAF) (*Fédération Internationale d'Astronautique*), 5 rue du 4 Septembre, Paris 2e, France; f. 1950, Constitution adopted at the XII Congress in Washington 1961; to foster the development of astronautics for peaceful purposes at national and international levels; mems.: national astronautical societies in 34 countries. The XIV Congress is due in Paris in 1963. The IAF has created the International Academy of Astronautics (IAA) and International Institute of Space Law (IISL) (*for information on these bodies, see elsewhere in this chapter*).

Pres. E. A. BRUN (France); Vice-Pres. N. BONEFF (Bulgaria), M. SUMMERFIELD (U.S.A.), M. LUNC (Poland), L. I. SEDOV (U.S.S.R.); Gen. Counsel A. G. HALEY (U.S.A.) and A. GEORGIEV (Bulgaria), Pres. of the International Institute of Space Law. Publs. Notes on Annual Congresses and Symposia.

International Atomic Energy Agency (IAEA), Kaerntnerring, Vienna I, Austria. The Statute of the Agency was unanimously approved by 80 nations meeting at the United Nations headquarters in New York on October 26th, 1956. In May 1963 there were 81 Member States. The Board of Governors consisting of 23 members designated or elected on a technological and regional basis, carries out the functions of the Agency subject to its responsibilities to the General Conference of IAEA.

Established with the aim of accelerating and enlarging the contribution of atomic energy to peace, health and prosperity throughout the world, the International Atomic Energy Agency is authorised to encourage and assist development and practical application of atomic energy for peaceful purposes all over the world; to provide materials, services, equipment and facilities; to foster the exchange of scientific and technical information on peaceful uses of atomic energy; to encourage the exchange and training of scientists and experts in the field of atomic energy; to establish health and safety standards and safeguards against the military use of any materials and equipment provided through the Agency.

Dir.-Gen. Dr. SIGVARD EKLUND (Sweden).

International Botanical Congress (*Congrès International de Botanique*), Xth Congress, 5 Hope Park Square, Edinburgh, Scotland; f. 1900; to provide a uniform terminology and methods of nomenclature of plants, in-

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cluding the scientific aspects of agriculture, horticulture and silviculture. Mems.: over 3,000 persons attended the IXth Congress.

Hon. Pres. H.M. King Gustav VI, Adolf of Sweden; Pres. Prof. H. Godwin, F.R.S. (Great Britain); Jt. Exec. Secs. Dr. A. J. Brook and Prof. G. E. Fogg (Great Britain).

International Bureau of Differential Anthropology (*Bureau international d'anthropologie différentielle*), Institut d'Anatomie, Ecole de Médecine de l'Université, 20 rue de l'Ecole de Médecine, Geneva, Switzerland; f. 1950 to encourage scientific research on differential anthropology and gain a better knowledge of the possibilities of progress in this field; maintains a library and documentation centre. Members in 19 countries.

Pres. Prof. P. Joannon (France); Gen. Sec. Prof. J. A. Bauman (Switzerland). Publ. *Anthropologie différentielle et sciences des types constitutionnels humains* (irregular).

International Bureau of Weights and Measures (*Bureau International des Poids et Mesures*), Pavillon de Breteuil, Sèvres, S. et O., France; f. 1875. Objects: Preservation of standards of the International System of Units (SI) and world-wide unification of the units of measurement; determination of national standards; precision measurements in Physics. Thirty-nine member states.

Pres. R. Vieweg (Germany); Vice-Pres. L. E. Howlett (Canada); Sec. J. de Boer (Netherlands); Dir. Jean Terrien (France). Publs. *Rapport Annuel, Procès-Verbaux des séances du Comité International* (normally every two years), *Sessions des Six Comités Consultatifs auprès du Comité International* (every few years), *Récents progrès du Systeme Métrique* (every few years), *Comptes Rendus des Conférences Générales* (every six years), *Travaux et Mémoires* (every few years).

International Commission for Optics (*Commission Internationale d'Optique*), c/o Prof. W. D. Wright, Technical Optics Section, Imperial College, London, S.W.7; to contribute on an international basis to the progress of theoretical and instrumental optics and its application, through conferences, colloquia, summer schools, etc., and to promote international agreement on nomenclature, specifications, etc. Mems.: representatives from 16 countries.

Pres. Prof. E. Ingelstam (Sweden); Sec.-Treas. Prof. W. D. Wright.

International Commission for the Scientific Exploration of the Mediterranean Sea (*Commission Internationale pour l'Exploration Scientifique de la Mer Méditerranée*), 59, avenue Raymond Poincaré, Paris 16e, France; f. 1919 for scientific exploration of the Mediterranean Sea, the study of physical and chemical oceanography, fauna and flora, and marine biology; 10 mem. countries.

Pres. H.R.H. Prince Rainier of Monaco; Sec.-Gen. J. Furnestin (France). Publs. *Rapports et Procès Verbaux, Fiches Faune et Flore de la Méditerranée, devenues Iconographie de la Faune et de la Flore méditerranéennes, Bulletin de Liaisin des Laboratoires.*

International Commission on Zoological Nomenclature (*Commission internationale de la nomenclature zoologique*), c/o British Museum (Natural History), Cromwell Road, London, S.W.7.; f. 1895; the Commission is a standing organ of the International Congresses, of which it is the official adviser on all matters relating to zoological nomenclature; the Commission has been granted judicial powers to determine all matters relating to the interpretation of the *International Code of Zoological Nomenclature* and also plenary powers to suspend the operation of the *Code* where the strict application of the *Code* would lead to confusion and instability of nomenclature; the Commission is responsible also for maintaining and developing the *Official List of Generic Names in Zoology* and the *Official List of Specific Names in Zoology*.

Pres. J. Chester Bradley (U.S.A.); Acting Sec. W. E. China, C.B.E., SC.D. (U.K.). Publs. *Bulletin of Zoological Nomenclature, Opinions and Declarations rendered by the International Commission on Zoological Nomenclature, Copenhagen Decisions on Zoological Nomenclature, 1953, International Code of Zoological Nomenclature, 1961.*

International Committee for Electro-Chemical Thermodynamics and Kinetics (CITCE) (*Comité international de thermodynamique et de cinétique electrochimiques*); Swiss Federal Institute of Technology, Dept. of Industrial and Engineering Chemistry, Universitätstr. 6, Zürich 6, Switzerland; f. 1949; 395 mems.; 34 countries.

Chair. H. Fischer (Germany); Gen. Sec. Dr. N. Ibl (Switzerland).

International Computation Centre (*Centre international de calcul*), Palazzo degli Uffici, Zona dell EUR, Rome, Italy; f. 1958 to conduct research on mechanical computation methods, to undertake mathematical research, to train specialists, to assist the establishment of national centres and to organise meetings. Mems.: governments of Argentina, Belgium, Ceylon, Cuba, France, Ghana, Israel, Italy, Japan, Libya, Mexico, United Arab Republic.

Dir. Stig Comét (Sweden). Publ. *ICC Bulletin* (quarterly), *International Repertory of Computation Laboratories* (quarterly).

International Council for the Exploration of the Sea (*Conseil international povr l'exploration de la mer*), Charlottenlund Slot, Charlottenlund, Copenhagen, Denmark; f. 1902. Objects: Concerted biological and hydrographical investigations for the promotion of a planned exploitation of the resources of the sea. Library of 15,000 vols. Membership: Governments of 17 countries.

Gen. Sec. Dr. Arni Fridriksson (Reykjavík). Publs. *Journal du Conseil, Rapports et Procès-Verbaux, Bulletin Statistique, Bulletin Hydrographique, Annales Biologiques, etc.*

International Federation of Electron Microscope Societies (*Federation Internationale des Sociétés de Microscopie Electronique*), c/o Cavendish Laboratory, Free School Lane, Cambridge; f. 1955. Mems.: representative organisations of 15 countries.

Pres. T. F. Anderson (U.S.A.); Sec. Dr. V. E. Cosslett.

International Foundation of the High-Altitude Research Station, Jungfraujoch (*Fondation internationale de la station scientifique du Jungfraujoch*), 5 Bühlplatz, Berne, Switzerland; f. 1931.

Pres. Prof. A. von Muralt; Asst. Dr. P. v. Tavel.

International Geological Congress (*Congrès géologique international*), 21st Congress: Mineralogisk Museum, Öster Voldg. 1, Copenhagen K, Denmark; f. 1878; the Congress is held every four years.

Sec.-Gen. Theodor Sorgenfrei (Denmark).

International Hydrographic Bureau (*Bureau hydrographique international*), Quai des États-Unis, Monte Carlo; f. 1921. Objects: To establish a close and permanent association among the hydrographic offices of its members; to co-ordinate the hydrographic work of these offices with a view to rendering navigation easier and safer on all the seas of the world; to endeavour to obtain as far as possible uniformity in charts and

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hydrographic documents; to encourage the adoption of the best methods of conducting hydrographic surveys and improvement in the theory and practice of the science of hydrography; and to encourage surveying in those parts of the world where accurate charts are lacking. Forty-one member states.

Directing Cttee.: Pres. Rear-Admiral C. PIERCE (U.S.A.); Dirs. Vice-Admiral A. VIGLIERI (Italy), Vice-Admiral A. DOS SANTOS FRANCO (Brazil). Publs. *The International Hydrographic Review* (twice yearly), *International Hydrographic Bulletin* (monthly), special publications on various technical subjects, all in English and French, *General Bathymetric Chart of the Oceans* (in 24 sheets).

International Institute of Embryology (*Institut international d'embryologie*): Hubrecht Laboratory, Janskerkhof 2, Utrecht, Netherlands; f. 1911; Objects: To promote the study of morphogenesis and to promote international co-operation among the investigators in this field; since 1947 the Institute has been the Section of Embryology of the International Union of Biological Sciences (*q.v.*); the Hubrecht Laboratory is an International Research Laboratory for descriptive and experimental embryology, and has a Central Embryological Library and Collection of slides and material.

Pres. Prof. E. E. WOLFF (France); Sec.-Treas. Prof. A. MONROY (Italy); Dir. Prof. P. D. NIEUWKOOP. Publ. *General Embryological Information Service* (biennial).

International Institute of Seismology and Earthquake Engineering, c/o Building Research Institute, 4 Hyakunin-cho, Shinjuku-ku, Tokyo, Japan.

International Institute of Theoretical Sciences (*Institut international des sciences théoriques*), 221 avenue de Tervueren, Brussels 15, Belgium; f. 1944.

Dir. S. I. DOCKX. Publ. *Archives* (irregular).

International Isostatic Institute (*Institut isostatique international*), Aurorankatu 7, Helsinki, Finland; f. 1936 at the Assembly of the International Union of Geodesy and Geophysics. Objects: To carry out a systematic and uniform topographic isostatic reduction of gravity measurement made throughout the world and to study the geoid and isostatic structure of the earth's crust. The institute is financed by UNESCO (20 per cent) and the Government of Finland (80 per cent).

Dir. Prof. W. A. HEISKANEN (Finland). Publs. are financed by the Finnish Academy of Sciences.

International Latitude Service (*Service international des latitudes*), f. 1899. Object: To make observations in certain international latitude stations for the study of all the problems of latitude variation; the central office of the service informs the International Time Bureau (*see below*) weekly of the polar co-ordinates as calculated at observatories in various countries.

The Director, The Mizusawa Observatory, Iwate-Ken, Japan.

International Mineralogical Association, Castellana 84, Madrid, Spain; f. 1958 to further international co-operation in the science of mineralogy. Mems.: national societies in Austria, Belgium, Bulgaria, Canada, Czechoslovakia, Denmark, Egypt, Finland, France, Germany, Great Britain, India, Italy, Japan, Netherlands, Norway, Spain, Sweden, Switzerland, U.S.S.R., U.S.A.

Pres. D. JEROME FISHER; Sec. Prof. J. L. AMOROS (Spain).

International Organisation of Legal Metrology (*Organisation internationale de metrologie légale*), 9 avenue Franco-Russe, Paris 7e, France; f. 1955 to serve as documentation and information centre on methods of verifying and checking measurements, to study ways of standardisation and to determine the general principles of legal metrology. Mems.: governments of 27 countries.

Pres. M. JACOB (Belgium); Dir. M. COSTAMAGNA (France).

International Ornithological Congress (*Congrès International Ornithologique*), c/o Dept. of Zoology, Oxford Univ., Oxford, England; f. 1884.

Pres. D. LACK (U.K.); Sec.-Gen. Dr. N. TINBERGEN.

International Palaeontological Union (*Union internationale de paléontologie*), 74 rue de la Fédération, Paris 15e, France; f. 1933 following the meeting of the International Geological Congress, to which the Union is affiliated.

Pres. Prof. POULSEN (Denmark); Sec. Dr. J. ROGER (France).

International Society for Cell Biology (*Société internationale de Biologie cellulaire*); f. 1947.

Pres. Prof. J. BENOIT; Sec. and Treas. Prof. M. CHEVREMONT, Institut d'Histologie, 20 Rue de Pitteurs, Liège, Belgium.

International Society for Plant Geography and Ecology (*Association Internationale de Phytosociologie*), c/o Prof. Dr. Dr. h.c. REINHOLD TÜXEN, 3078 Stolzenau/Weser, Germany; f. 1937.

Pres. Dr. W. C. DE LEEUW (Netherlands); Sec. Prof. Dr. REINHOLD TÜXEN.

International Society of Biometeorology, Hofbrouckerlaan 54, Oegstgeest (Leiden), Netherlands; f. 1956. Aims: to unite all bioclimatologists working in the fields of Agricultural, Botanical, Cosmic Entomological, Forest, Human, Veterinarian, Zoological and other branches of Bioclimatology. Mems.: 500 individuals, nationals of 44 countries.

Pres. Prof. F. SARGENT (U.S.A.); Sec.-Treas. Dr. S. W. TROMP (Netherlands). Publ. *International Journal of Bioclimatology and Biometeorology.*

International Society of Human and Animal Mycology (ISHAM) (*Société Internationale de Mycologie Humaine et Animale*), Institut de Médecine Tropicale, 155 rue Nationale, Antwerp, Belgium; f. 1954; to pursue the study of fungi living on man and animals. Mems.: 286 from 45 countries.

Pres. Sr. MACKINNON (Uruguay); Sec.-Gen. R. VANBREUSEGHEM (Belgium).

International Speleological Congresses (*Congrès Internationaux de Spéléologie*), c/o Prof. FRANCO ANELLI, University of Bari, Palazzo Ateneo, Bari, Italy; f. 1958; over 200 individuals.

Pres. MICHEL GORTANI (Italy); Sec.-Gen. FRANCO ANELLI.

International Statistical Institute (*Institut international de statistique*), Oostduinlaan 2, The Hague, Netherlands; f. 1885; the International Statistical Institute is an autonomous society devoted to the development and improvement of statistical methods and their application throughout the world; 9 hon. mems.; 350 ordinary mems.; 100 *ex-officio* mems.; 22 affiliated organisations; administers among others statistical education centres in Calcutta and Beirut in co-operation with UNESCO.

Pres. M. BOLDRINI (Italy); Sec.-Gen. PH. J. IDENBURG (Netherlands); Dir. Permanent Office E. LUNENBERG.

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Publs. *Review of the International Statistical Institute* (3 issues per year), *Bulletin de l'Institut International de Statistique* (proceedings of biennial sessions), *International Journal of Abstracts on Statistical Methods in Industry* (3 issues per year), *International Journal of Abstracts—Statistical Theory and Method* (4 issues per year), *International Statistics of Large Towns* (5 series), *International Statistical Yearbook of Large Towns, A History of the ISI 1805–1960.*

International Time Bureau (*Bureau international de l'heure*), 61 avenue de l'Observatoire, Paris 14e, France; f. 1912 for the transmission of accurate time signals based on astronomical observations. Membership: Research Councils in 41 countries.

Dir. Prof. A. DANJON (Dir. of the Paris Observatory); Head of Services Dr. N. STOYKO (Astronomer, Paris Observatory); Heads of Sections: R. FORGA (Astronomer, Paris Observatory), Mrs. A. STOYKO (Astronomer, Paris Observatory). Publ. *Bulletin Horaire.*

International Union for Conservation of Nature and Natural Resources (*Union Internationale pour la Conservation de la nature et de ses ressources*), Morgues, nr. Lausanne, Switzerland; f. 1948 to facilitate co-operation between governments and national and international organisations in the field of conservation, to promote scientific research and to disseminate information on principles and techniques of conservation; conducts programmes of conservation education in African territories and in the Middle East; maintains a documentation centre. Mems.: six international organisations; governments of 17 countries; 22 government departments and 170 national societies in 60 countries and 56 assoc. mems.

Pres. J. G. BAER (Switzerland); Sec.-Gen. GERALD G. WATTERSON. Publs. *Bulletin* (quarterly), *Annual Report*, reports on technical matters, etc.

International Union for the Study of Social Insects (*Union Internationale pour l'Etude des Insectes Sociaux*), Laboratoire d'Evolution des Etres Organisés, 105 boulevard Raspail, Paris 6e; f. 1951. Mems.: over 400 individuals from 24 countries.

Pres. P. P. GRASSÉ; Sec. J. LECOMTE. Publ. *Insectes sociaux.*

Oceanographic Institute (*Institut océanographique*), 195 rue Saint-Jacques, Paris 5e, France.

Dir. Prof. M. FONTAINE; Sec. R. RICHET.

Pacific Science Association (*Association Scientifique du Pacifique*), Bishop Museum, Honolulu 17, Hawaii; f. 1920; to co-operate in the study of scientific problems relating to the Pacific region; associations from 49 countries.

Pres. LAURENCE H SNYDER; Permanent Sec. BRENDA BISHOP (New Zealand). Publs. *Information Bulletin, Review.*

Pan-American Institute of Geography and History, Ex-Arzobispado 29, Mexico 18, D.F., Mexico; f. 1929; membership: the nations of the Organisation of American States; for the stimulation and co-ordination of cartographic, geographic and related work in the Western hemisphere.

Pres. Gen. VICTOR H. J. HOSKING (Argentine); Sec.-Gen. Arq. IGNACIO MARQUINA (Mexico). Publs. *Revista de Historia de América, Boletin Bibliográfico de Antropologia Americana, Revista Geográfica, Revista Cartográfica, Folklore Americano, Boletin del Comite de Archivos, Bibliographical Bulletin of American Oceanography and Geophysics, Revista de la Historia de las Ideas, Boletin Aereo.*

Permanent Committee of the International Congress of Entomology (*Comité permanent du congrès international d'entomologie*), Zoologisch Laboratorium, Kaiserstraat 63, Leiden, Netherlands; f. 1910 to act as a link between periodic congresses and to arrange the venue for each congress; the committee is also the entomology section of the International Union of Biological Sciences.

Pres. N. D. RILEY, C.B.E. (Great Britain); Sec. Prof. Dr. D. J. KUENEN (Netherlands). Publ. *Proceedings* (after each Congress).

Permanent Committee of International Zoological Congresses (*Comité permanent des congrès internationaux de zoologie*), f. 1889 to allow personal contacts between zoologists of all countries and discussion of zoological problems.

Pres. Prof. R. SPARCK (Denmark); Sec.-Gen. Prof. P.-P. GRASSÉ, 105 Boulevard Raspail, Paris 6e, France. Publ. *Proceedings of Congresses.*

Permanent International Committee for Genetics Congresses (*Comité permanent des congrès internationaux de génétique*, The Genetics Section of the I.U.B.S.; 18 mem. countries.

Pres. Prof. J. W. BOYES, Department of Genetics, McGill University, Montreal, P.Q., Canada; Sec. Prof. E. HADORN, Zoological Institute, University of Zürich, Zürich, Switzerland.

Tables of Selected Constants (*Tables de constantes sélectionnées*), 250 rue Saint-Jacques, Paris 5e; f. 1909. Object: To publish all the constants and numerical data concerning the pure and applied physico-chemical sciences.

International Commission: Pres. C. HAENNY (Lausanne).

World Academy of Art and Science: 1 Ruppin Street, Rehovot, Israel; f. 1960; a forum for discussion of important topics by distinguished scientists; to act as an objective advisory body; 150 mems.

Pres. Lord JOHN BOYD ORR (U.K.); Vice-Pres. STUART MUDD (U.S.A.), HERMANN JOSEPH MULLER (U.S.A.), HUGO OSVALD (Sweden); Sec.-Gen. HUGO BOYKO (israel). Publs. Vol. I, *Science and the Future of Mankind*, Vol. II, *The Population Crisis and the Use of World Resources.*

World Meteorological Organisation (*Organisation Météorologique Mondiale*), Secretariat: 41 Avenue Giuseppe-Motta, Geneva, Switzerland; f. 1951. Objects: Worldwide co-operation in making meteorological observations and in standardising their publication, promotion of rapid weather information services, application of meteorology to human activities, encouragement of research and training in meteorology; mems.: 124 states and territories maintaining their own meteorological services. Constituent bodies: Congress, Executive Committee, six regional associations, eigth technical commissions.

Pres. Dr. ALF NYBERG (Sweden); Sec.-Gen. D. A. DAVIES (U.K.). Publs. Reports of meetings of constituent bodies, Regulations, Technical Manuals and Notes, *International Cloud Atlas*, and a quarterly bulletin.

Zoological Station of Naples (*Stazione Zoologica di Napoli*), Villa Comunale, Naples, Italy; f. 1873.

Dir. Emeritus Dr. REINHARD DOHRN; Junior Dir. Dr. PETER DOHRN. Publs. *Fauna e Flora del Golfo di Napoli, Pubblicazioni della Stazione Zoologica di Napoli.*

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AFGHANISTAN

Population 13,800,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Pakhtu-Tolena (*Afghan Academy*): Ghazi Shahi Street, Kabul; f. 1931; the objects of the society are to study the Pakhtu language and literature and to popularise it throughout Afghanistan; Pres. Gul Pacha Ulfat; publs. *Kabul* (monthly) and *Zery* (weekly newspaper).

Members of the Academy:

Kaker, Mohammed Hassan
Khadim, Kiamuddin
Lodin, Dawlat Mohammed
Mo'tamed, M. Akbar
Pakhtun Mal, Azizullah
Patwal, M. Momen
Pawlad, Saidal Shah
Reshad, Abdushukour
Rohi, M. Sidiq
Sabit, Mohammed Ibrahim
Sadakat, Abdul Wakil
Sa'duddin, Shpoon
Saifi, Azizurrahman
Tazhai, Habibullah
Utman, Mohammed Alim
Wase'i, Abdul Khaliq
Zadram, M. Zahir
Zhwak, Mohammed Din

Honorary Members of the Academy:

Benawa, Abdurraouf
Dawi, Abdul Hadi
Gran. Anwarul Haq
Ilham, M. Raheem
Jalali, Ghulam Jelani
Kakakhel, Mohammed Shah Khyal
Khogyanai, Mohammed Amin
Maiwandwal, Mohammed Hashim
Majrooh, Sayyed Bahau'ddin
Majrooh, Sayyed Shamsuddin
Pazhwak, Abdurrahman
Sa'id, Sarajuddin
Salimi, Mohammed Arsalan
Shafeeq, M. Mosa
Taraki, Mohammed Kadeer

Honorary Foreign Members:

Prof. Morganstierne (Norway).
Prof. Dovriankov (U.S.S.R.).

Anjumane Tareekh (*Historical Society*): Kabul; f. 1954; objects of the society are to study the history of Afghanistan and present it correctly to the outside world; Pres. Dr. Abdul Rahim Ziai; Hon. Pres. Sarda Mohammed Naim; publs. *Aryana* (monthly in Persian) and *Afghanistan* (English and French quarterly).

Members:

Mohammed Yunus Murad
Mohammed Sarwar Homayoon
Sultan Ali Razawi
Mohammed Anwar Nair
Miss Wasima Hakimi
Mrs. Rukia Abubakr

Honorary Members:

Abdurraouf Benawa
Khalilullah Khalili
Fikri Saljooki
Prof. Mohammed Ali
Sayyed Kassim Rishtya
Dr. Farook Etemadi
Dr. Mir Najmuddin Ansari

Honorary Foreign Members:

Prof. Schlumberger (France)
Prof. Tucci (Italy)
Mr. Fletcher (U.S.A.)

Institute of Cartography: Ministry of Defence, Kabul; Dir. Amir Ahmed.

U.A.R. Cultural Centre: Kabul; library and reading room.

U.S. Cultural Center: Shahri-Nau, Kabul.

LIBRARIES

Library of the Habibia High School: Kabul.

Library of the National Bank: Kabul.

Library of the Press Department: Kabul; f. 1931; 28,000 vols. and 800 MSS. in Persian, Arabic and Pashtu languages; Dir. Mohammed Sarwar Rona.

Library of the Royal Palace: Kabul.

Public Library: Kabul; attached to the Ministry of Education; f. 1920; 60,000 vols., 433 MSS., 30 current periodicals; research library.

University Library: Kabul.

Women's Welfare Society Library: Kabul.

MUSEUMS

Bamyan Museum: Bamyan.

Ghazni Museum: Ghazni.

Herat Museum: Herat.

Kabul Museum: Kabul; f. 1922; contains archaeological collections of the prehistoric, Greco-Roman, Buddhic and Islamic periods; coin collections; Persian, Arabic and Pashtu MSS.; ethnographical collections; Dir. A. A. Motamedi.

Kandahar Museum: Kandahar.

Maimana Museum: Maimana.

Mazar-i-Sharif Museum: Mazar-i-Sharif, Kabul.

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UNIVERSITY

KABUL UNIVERSITY

KABUL

Founded 1931.

Rector: Mohammed Osman Anwari, M.D.
Vice-President: Dr. Omar Wardag.
Registrar: Mohammed Haidar Miakhel.

Number of teachers: 293.
Number of students: 2,165.
Publications: *Political Science and Law Quarterly* (Editor Said Hashim Momen), *Literature Quarterly*.

Deans:

Faculty of Letters: Said Bahauddin Majroh.
Faculty of Medicine: Dr. Abdul Kayum Rasool.
Faculty of Law: Dr. Abdul Hakim Ziai.
Faculty of Science: Dr. A. G. Karkar.
Faculty of Economics: Abdul Wahid Sarabi.
Faculty of Engineering and Agriculture: Dr. Mohammed Yasin Azim.
Faculty of Home Economics: Kubra Noorzia.
Faculty of Theology: Mawlana Abdul Hak.
Institute of Education: Dr. M. Rasool Taraki.

Full Professors:

Faculty of Letters:
Betab, Abdul Haq (Persian).
Faruk, Ghulam (History).
Rishtin, Sedikullah (Pakhtu Literature).
Ziai, Abdul Hakim (Sociology).

Faculty of Medicine:
Ahmed, Ali (Mental Health).
Hikmat, Samed Ali (Internal Medicine).
Mohammed, Said (Surgery).
Zia, Ahmed (Child Medicine).

Faculty of Law:
Rahimi, Ghulam Sawar (Public Finance).
Ziai, Abdul Hakim (Sociology).

Faculty of Science:
Anwar, M. (Inorganic Chemistry).
Anwar, Ali (Industrial Chemistry).
Karkar, Abdul Ghafar (Mathematics).
Nasseri, Abdullah (Geology).
Ziai, Abdul Azim (Physics).

Faculty of Economics:
Ghaussi, M. Aref (Agricultural Economics).
Najibulla (Business Administration).
Sarabi, Abdul Wahid (Accounting).
Sharaf, S. S. (History of Economic Thought).

Faculty of Engineering and Agriculture:
Alekozi, Shah Mohammed (Botany).
Kuraishi, Malik Mohammed (Physics).
Natik, Gholam Nabi (Constructions).
Talwar, Gul Mohammed (Agriculture).

Faculty of Theology:
Kabir, Mohammed (Arabic Literature and Grammar).
Latif, Abdul (Civil Law).
Mohammed, Ghulam (Instructions of Mohammed).
Sufdar, Ghulam (Arabic Grammar).

Attached Institutes:

Institute of Education: f. 1954; Pres. Dr. Mohammed Rasool Taraki; number of teachers: 36.

Institute of Geography: Dir. Gholan Jelani Arez.

COLLEGES

Afghan Institute of Technology: Kabul; f. 1951; secondary level technical school; courses in Civil Aviation, Civil, Mechanical and Electrical Engineering; library.

Darul Mo' Allemein (D.M.A.) (*Teachers' Training College*): Kabul; f. 1913; number of students 3,000.

Institute of Arabic and Religious Study: Kabul.

Other centres of religious study include: the Najmul-Madares, Nangarhar; the Jamé and Fakhrul Madares, Herat; the Asadia Madrasa, Mazir-i-Sharif; the Takharistan Madrasa, Kunduz; the Zahir Shahi Madrasa, Maimana.

Institute of Industrial Administration: Kabul; open to graduates of the School of Commerce.

Kabul Art School: Bibi Mahro, nr. Kabul; music, painting and sculpture courses.

School of Agriculture: Kabul; f. 1924.

School of Commerce: Kabul; f. 1943; banking, commercial law, economics, business administration, finance.

School of Mechanics: Kabul; for apprentice trainees.

Teachers' Training Schools: Kandahar, f. 1956; Jalalabad, f. 1956; Herat, f. 1957; Khost.

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ALBANIA

Population 1,625,378

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institute of Sciences: attached to the State University of Tirana; teaches science, the arts and national culture, including studies of Albanian flora and fauna, geology, literature, language and folklore (publishing a dictionary of the Albanian language and histories of Albania and Albanian literature).

Institute of Agricultural Research "Mitchourine": Louchnia; f. 1947; agricultural research centre run by the Ministry of Agriculture; Dir. MENTOR PERMETI.

League of Artists and Writers: Tirana; f. 1957, as joint organisation for artists and writers; Pres. DHIMITER SHOUTERIQI.

Albanian Committee for Cultural Relations Abroad: Tirana; Pres. MISTO TRESKA.

Association of Scientific Workers of the R.P. of Albania: attached to the State University of Tirana; Pres. KOL PAPARISTO, Sec. ISMET ELEZI.

LIBRARIES

National Library: Tirana; f. 1922; 276,000 vols.; Dir. SIRI CHAPLLO.

Scutari Public Library: 61, 160 vols.; Dir. MAHMUD KOTRI.

Elbassan Public Library: 39,200 vols.; Dir. BEDJET TCHERMA.

Dourres Public Library: 39,217 vols.; Dir. ORA KARAZI.

Kortcha Public Library: 28,257 vols.; Dir. NELLA SINAERI.

Argyrocastro Public Library: 24,793 vols.; Dir. AKILE EKONOMIDI.

University Library: Tirana; 171,150 vols.

MUSEUMS

Archaeological Museum: Tirana; attached to the University of Tirana; f. 1948; exhibits of the palaeolithic, neolithic and bronze ages; objects of the Illyrian culture, the iron age, and of the Greek and Roman periods of colonisation; Albanian exhibits from the Middle Ages.

Ethnographical Museum: Tirana; attached to the University of Tirana; f. 1948; exhibits include agricultural tools of all periods, stock-breeding equipment, interiors and exteriors and household objects, textiles and costumes, local craftsmanship and ceramics.

Museum of the Struggle for National Liberation: Tirana; f. 1949; exhibits trace the history of the Albanian people from the struggles against the Ottomans to the present day; Dir. VASO BOCHNIAKOU.

Natural Science Museum: Tirana; attached to the University of Tirana; exhibits relating to biology, geology, and botany.

Lenin-Stalin Museum: Tirana; f. 1954; Dir. BALLKIZ HADJIHUSENI.

PROVINCIAL MUSEUMS

Argyrocastro Museum: a fortress museum; Dir. LEFTER DILO.

Bérat Museum: f. 1958; exhibits include historical documents; Dir. TODI SOTIRA.

Dourres Museum: archæological and historical exhibits; Dir. VANDJEL TOTCHI.

Elbassan Museum: installed in the inside of a fortress; historical and natural collections; Dir. THANAS KONOMI.

Fieri Museum: exhibits include archæological items from the former town of Apollonia; Dir. GORI SOTA.

Kortcha Museum: local history and ethnography; Dir. EMIN SELENITZA.

Scutari Museum: ethnographical and historical collection of the town and province from neolithic times; Dir. VASIL LLAZARI.

Vlora Museum: contains many historical documents; Dir. LLAMBI DOUROLLI.

UNIVERSITY

STATE UNIVERSITY OF TIRANA
(Universiteti Shtetëror i Tiranës)

Founded 1957.

Rector: KAHREMAN YLLI.

Vice-Rectors: Doc. HASAN DUMA, Prof. KOL PAPARISTO, Doc. ZIJA KËLLIÇI.

Number of teachers: 300, including 46 professors.

Number of students: 4,142 (day), 3,596 (night and correspondence).

DEANS:

Faculty of Natural Science: Prof. KOL POPA.
Faculty of Engineering: Prof. KIÇO NEGOVANI.
Faculty of Medicine: Dr. MEDAR SHTYLLA.
Faculty of History and Philology: Doc. MENTAR BELEGU.
Faculty of Law: Doc. LUAN OMARI.
Faculty of Economics: Doc. HEKURAN MARA.
Faculty of Geology: REXHEP REKA.

ATTACHED INSTITUTE:

Institute of Scientivque Research in History and Philology: Doc. ANDROKLI KOSTALLARI.

HIGHER INSTITUTES

Higher Institute of Agriculture: Tirana; f. 1951; Dir. GAQO TACHKO.

Number of teachers: 44.

Number of students: 359.

DEANS:

Faculty of Agronomy: SKENDER GHIKA.
Faculty of Veterinary Science: METUCH LULI.
Faculty of Zootechnics: TEKI TARTARI.

Institute of Zootechnics: Scutari; f. 1947; study and experimental centre; Dir. TARE TCHELO.

Institute of Education: Tirana; Dir. ENGJELL ANGONI.

Institute of Folklore, Musical and Oral: Tirana; Dir. ZIHNI SAKO.

School of Art: Tirana; f. 1959; Dir. ANDREA MALO.

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ALGERIA

Population 10,784,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centre de Recherches Anthropologiques, Préhistoriques et Ethnographiques (C.R.A.P.E.): 3 rue Franklin Roosevelt, Algiers; f. 1957; Dir. and Curator G. CAMPS.

Société Archéologique du département de Constantine: Musée Gustave Mercier, Constantine; f. 1852; 250 mems.; library of 10,000 vols.; Pres. M. TROUSSEL; Sec. G. QUINCY; Librarian G. PÉGUIN; publ. *Recueil des Notices et Mémoires de la Société Archéologique de Constantine.*

Société de Géographie d'Alger et de l'Afrique du Nord (*Algiers and North Africa Geographical Society*): 24 rue Colonna d'Ornano, Algiers; f. 1896; number of members: 800; publ. *Bulletin* (quarterly).

Société Historique Algérienne: c/o The Faculty of Arts; University of Algiers; f. 1856; number of members, 400; publ. *Revue Africaine.*

Institut Pasteur d'Algérie: Algiers; f. 1910; conducts research into microbiology and parasitology according to Pasteur's theories; higher study of microbiology and parasitology; preparation of vaccines in conjunction with the health services of Algeria; 123 mems.; the library contains 42,720 vols., 420 periodicals; Dir. Dr. R. NÉEL; Sec.-Gen. Dr. J. ORIO; publ. *Archives de l'Institut Pasteur d'Algérie.*

LIBRARIES

Algiers

Bibliothèque Nationale: Avenue Frantz Fanon; 500,000 vols.; Librarian MAHMOUD-AGHA BOUAYED; public lecture service in Algeria.

Bibliothèque de l'Université: 2 rue Michelet; 500,000 vols.

Constantine

Bibliothèque Municipale: Hôtel de Ville; f. 1895; 25,000 vols.

Oran

Bibliothèque Aubert.

MUSEUMS

Algiers

Musée de Préhistoire et d'Ethnographie du Bardo (*Prehistory and Ethnographic Museum*): 3 avenue Franklin Roosevelt; f. 1928; Dir. and Curator G. CAMPS.

Musée National des Beaux Arts d'Alger (*National Museum of Algiers*): Jardin d'Essai; f. 1930; exhibits include paintings, drawings, etchings, bronzes, reliefs; Dir. Prof. JEAN ALAZARD; publs. *Catalogue of Paintings, Sculptures* (Editor Prof. JEAN ALAZARD), *Etudes d'Art* (Vol. I, 1945; Vol. II, 1946; Vol. III, 1948; one volume annually since).

Musée National Stéphane Gsell: Parc de Galland; f. 1896; exhibits include Algerian antiquities and Islamic art; Dir. GEORGES MARÇAIS; Curator Mme ALQUIER; publs. *Le Musée Stéphane Gsell-L'Art Musulman.*

Musée Savorgnan de Brazza: 56 avenue Foureay Lamy; relics from the explorer's expedition, Negro art; Dir. Comte CHARLES SAVARGNAN DE BRAZZA.

Constantine

Musée Gustave Mercier: Boulevard de la 3e. D.I.A.; f. 1930; archæological exhibits and art; Dir. and Curator ANDRÉ BERTHIER.

Oran

Musée Municipal Demaeght: Boulevard Paul Doumer; prehistory, Roman and Punic archæology, ethnography, zoology, geology, botany, sculpture and painting; Dir. and Curator G. VUILLEMOT; publs. *Catalogues, Livret Guide.*

Musée de Tlemcen: Place d'Alger; exhibits of Musulman art.

Philippeville

Musée de Philippeville: Punic and Roman antiquities; modern art; awaiting new permanent premises.

Setif

Musée de Setif: Roman antiques.

UNIVERSITY

UNIVERSITÉ D'ALGER

MAISON-CARREE, ALGIERS
Telephone: 66 14 95

Founded 1879 (reorganised 1909)

The professor list published in our last edition has been deleted as no recent information has been received from the University.

General Secretary: E. H. TIDJANI.

The following Institutes are attached to the University: Institut de Biochemie Générale et Biochemie de la Nutrition, Institut d'Hygiène et de Médecine d'Outre-mer de l'A.M., Institut d'Education Physique de des Sports, Institut de Recherches Sahariennes, Institut d'Etudes politiques, Institut de Psychotechnique et de Biométrie, Institut de Météorologie et Physique du Globe de l'Algérie, Institut d'Etudes supérieures islamiques, Institut d'Etudes philosophiques, Institut d'Ethnologie, Institut d' Urbanisme, Institut d'Etudes nucléaires, Institut del'Energie Solaire, Institut de Préparation aux Affaires, Institut de Promotion Supérieure du Travail, Observatoire Astronomique d'Alger-Banzareah, Institut d'Odonto-Stomato-

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logie, Institut de Trachome et d'Ophalmologie Tropicale, Institut de Préparation d'Enseignement Secondaire, Institut de Géographie, Institut d'Etudes Orientales, Institut d'Etudes Juridiques d'Oran, Institut d'Etudes Juridiques de Constantine.

ECOLE NATIONALE D'AGRICULTURE, ALGER
(National School of Agriculture)
MAISON-CARREE, ALGIERS

Founded 1905

Number of teachers: 45.
Number of students: 135.
Publ. *Annales de l'Ecole Nationale d'Agriculture d'Alger.*

College Scientifique Universitaire: Constantine.

Enseignement Supérieur Musulman en Algérie: Médersa de Constantine; f. 1895; library contains 6,000 vols.; 66 students; publs. *Publications de la Faculté des Lettres d'Alger, Journal des Africanistes, Journal Antique, Journal des Savants, Comptes rendus de l'Académie des Inscriptions et Beaux Arts.*

L'Ecole Nationale d'Architecture et des Beaux-Arts: Parc Gatliff, Algiers.

L'Ecole Nationale d'Ingénieurs d'Alger (*Agriculture et Mécanique*): Avenue Pasteur, Maison Carrée, Algiers 10; public works and building, electro-technics; chemical engineering.

L'Ecole Nationale de la Marine Marchand: rue d'Angkor, Algiers.

Ecole Supérieure de Commerce d'Alger: Rampe F.-Chasserian, Algiers.

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ARGENTINA

Population 21,251,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

ACADEMIES

Buenos Aires

Academia Argentina de Letras (*Argentine Academy of Letters*): Sánchez de Bustamante 2663; f. 1931; Pres. José A. Oria; Sec. Luis Alfonso; Treas. Atilio dell' oro Maini; mems.: Eñrique Banchs, Arturo Marasso, Rafael Alberto Arrieth, Bernardo A. Houssay, Roberto F. Giusti, José León Pagano, Arturo Capdevila, Francisco Luis Bernárdez, Pbro. Rodolfo M. Ragucci, s.d.b., Ricardo Sáenz Hayes, Jorge Luis Borges, Fermín Estrella Gutiérrez, Manuel Mujica Láinez, Leonidas de Vedia, Gregorio de Laferrère, Jorge Max Rohde, Angel Battistessa, Eduardo Mallea; 28 corresponding mems.; publs. *Serie de Clásicos Argentinos, Serie de Estudios Académicos, Discursos Académicos, Acuerdos acerca del Idioma, Boletín*; library.

Academia Nacional de Ciencias de Buenos Aires (*National Academy of Sciences of Buenos Aires*): Leandro N. Alem 651, 7° piso; f. 1937; 29 mems.; Pres. Dr. Horacio C. Rivarola; Sec. Ing. Dr. Manuel F. Castello.

Academia Nacional de Ciencias Exactas, Fisicas y Naturales (*National Academy of Exact, Physical and Natural Sciences*): Las Heras 2545; f. 1874; 29 mems.; Pres. Dr. Abel Sánchez Diaz; Secs. Dr. Luis F. Leloir; Ing. Enrique P. Canepa; publs. *Anales, Revista Darwinia, Memoria.*

Academia Nacional de Derecho y Ciencias Sociales (*National Academy of Law and Social Sciences*): Avda. Presidente Figueroa Alcorta 2263; f. 1874; 25 mems.; Pres. Dr. Atilio dell' oro Maini; Secs. Dr. Juan Silva Riestra, Dr. Alberto G. Padilla; publ. *Anales.*

Academia Nacional de Bellas Artes (*National Academy of Fine Arts*): Sánchez de Bustamante 2663; f. 1936; 24 mems.; Pres. Arq. Martin Noel; Sec.-Gen. Arq. Alberto Prebisch; publs. numerous books.

Academia de Agronomia y Veterinaria (*Academy of Agronomy and Veterinary Science*): Arenales 1678; 22 mems.; Pres. Ing. Agric. José Maria Bustillo; Sec.-Gen. Prof. Dr. José R. Serres.

Academia de Ciencias Economicas (*Academy of Economics*): Avda. Alvear 1790; f. 1914; 27 mems.; library of 12,575 vols.; Pres. Dr. Alfredo Labougle; Sec. Dr. Pedro J. Baiocco; publs. *Anales* and special editions.

Academia Nacional de la Historia (*National Academy of History*): San Martín 336; 38 mems., 120 foreign corresp. mems.; Pres. (Vacant); Sec. Ricardo Piccirilli; has edited, under Dr. Levene's direction, the *Historia de la Nación Argentina*; publs. *Boletín de la Academia Nacional de la Historia* and also papers and theses.

Academia Nacional de Medicina (*National Academy of Medicine*): Las Heras 3092; 35 mems., 42 hon.; library of 40,000 vols.; Pres. (1962-64) Dr. Luís Figueroa Alcorta; Sec.-Gen. Dr. Vicente Gutierrez; publ. *Boletín.*

Academia Argentina de Geografía (*Argentine Academy of Geography*): J. Martín 336; Pres. R. P. Guillermo Furlóng; Sec.-Gen. Ernesto Reguerra Sierra.

Córdoba

Academia Nacional de Ciencias (Córdoba) (*National Academy of Sciences—Córdoba*): Avda. Velez Sarsfield 249; f. 1868; 35 mems.; Pres. Ing. Carlos A. Revol; Sec. Ing. Rodolfo Hartinez; publs. *Actas, Boletín, Miscelánea.*

Academia Nacional de Derecho y Ciencias Sociales (Córdoba) (*National Academy of Law and Social Sciences*): Avda. Colon 93; f. 1941; 24 mems.; Pres. Dr. Felix Sarria; Sec. Dr. Benjamin Cornejo; publ. *Anales.*

AGRICULTURE

Buenos Aires

Instituto Agrario Argentino de Cultura Rural (*Agricultural Inst.*): Perú 277; f. 1937; library of 2,000 vols.; Dir. Dr. Cornelio J. Viera; Sec. Sta. Maria Luis Rivas; Technical Sec. Eurifue Alfredo Vivana; publ. *Reseñas Argentinas, Reseñas, Comunicados.*

Sociedad Argentina de Agronomía (*Argentine Society of Agronomy*): Santa Fé 1145; f. 1934; Pres. Walter F. Kugler.

Sociedad Rural Argentina (*Rural Soc.*): Florida 460; f. 1866; library of 15,000 vols.; Libr. Ivan G. Simko; publs. *Anales, Boletín.*

Pergamino

Estación Experimental Agropecuaria Pergamino (*Pergamino Agricultural Experimental Station*): f. 1912; agricultural research: breeding of wheat, corn, flax, sunflower and forage plants; animal husbandry and breeding; agricultural extension service; Dir. Walter Federico Kugler; Sub-Dir. Ernesto F. Godoy.

Tres Arroyos

Chacra Experimental de Barrow, Barrow, F.C.N.G.R.: f. 1923; Dir. Bartolomé Schelotto; Provincial Ministry of Agriculture research station and pedigree stockbreeders.

Tucumán

Estación Experimental Agrícola de Tucumán (*Experimental Research Station of Tucumán*): Casilla de Correo 71, San Miguel de Tucumán; attached to Gobierno Superior of Tucumán; Dir. Ing. Agron. Erbio Anacleto Bragadín (acting).

ANTHROPOLOGY

Buenos Aires

Sociedad Argentina de Antropologia (*Argentine Anthropological Soc.*): Moreno 350; f. 1936; publ. *Boletín* (quarterly) Pres. Salvador Canals Frau.

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ASTRONOMY

Buenos Aires

Asociación Argentina "Amigos de la Astronomía" (*Argentine Friends of Astronomy Assen.*): Avda. Patricias Argentinas 550; f. 1929; library of 4,000 vols.; 1,000 mems.; Pres. BERNHARD H. DAWSON; publ. *Revista Astronómica* (quarterly); possesses its own observatory.

Córdoba

Observatorio Astronomico, Universidad Nacional de Cordoba (*Astronomical Observatory*): f. 1871; Dir. Dr. J. LANDI DESSY (acting); publs. *Resultados* (38 vols.), papers in periodicals; library of approx. 8,000 vols.

BOTANY

Buenos Aires

Jardín Botánico "Carlos Thays" (*Botanical Gardens*): Santa Fé 3951; f. 1898; Dir. Ing. Agr. RAMÓN M. RUSSO; publs. *Index Seminum, Notas de Divulgación*, and *Revista*.

La Plata

Instituto de Botánica "C. Spegazzini" (*Botanical Institute*): Calle 53 No. 477; Dir. Ing. JUAN C. LINDQUIST; contains Phanerogamics and Mycological collections of the late Dr. Carlos Spegazzini; affiliated to the Museo de la Plata; publs. contributions to reviews.

San Isidro

Instituto de Botanica "Darwinion" (*Botanical Institute*): Lavardén 200; f. 1936; attached to the Academia Nacional de Ciencias exactas, físicas y naturales, Buenos Aires; library of 60,000 vols., works dating from 16th century, including *Flora Brasiliensis* by Martius and Eichler, Linnæus's works, collections of botanical journals, etc., herbarium of about 300,000 specimens, especially South American; Dir. Ing. Agr. ARTURO BURKART; publ. *Revista Darwiniana*.

CHEMISTRY

Buenos Aires

Asociación Bioquímica Argentina (*Argentine Biochemical Association*): Avda. Corrientes 424; f. 1934; 1,500 mems.; Chair. Dr. ENRIQUE IOVINE; library; publ. *Revista* (every two months).

Asociación Química Argentina (*Argentine Chemical Assen.*): Sánchez de Bustamante 1749; f. 1912; library of 10,000 vols.; Pres. Dr. EMILIO ETCHEGARAY; Sec. MÁXIMO BARÓN; publs. *Anales de la Asociación Química Argentina, Industria y Química*.

ENGINEERING, ARCHITECTURE

Buenos Aires

Asociación Argentina de Electrotécnicos (*Argentine Association of Electrotechnicians*): Posadas 1659; f. 1913; Pres. Ing. P. J. NOIZEUX.

Centro Argentino de Ingenieros Agrónomos (*Argentine Centre of Agricultural Engineers*): Arenales 1678; f. 1906; 900 mems.; library of 4,000 vols.; Pres. Ing. Agrón. EDUARDO POUS PEÑA; Sec. ALFREDO G. GLADE; publ. *Cadia*.

Centro Argentino de Ingenieros; Biblioteca Ing. Luis A. Huergo (*Argentine Centre of Engineering*): Cerrito 1250; f. 1895; approx. 4,000 mems.; library of 16,000 vols. on engineering; publ. *La Ingeniería* (monthly).

Instituto Argentino de Racionalización de Materiales, I.R.A.M. (*Argentine Standards Institute*): Chile 1192; f. 1935; 693 mems.; library of 97,505 standards; Dir.-Gen. Ing. M. E. BEATRIZ GHIRELLI DE CIABURRI; Sec. RAQUEL RUBIO; publ. *Informaciones* (bi-monthly) and *Standards I.R.A.M.*

Sociedad Central de Arquitectos; Biblioteca Alejandro Christophersen (*Architects' Association*): Montevideo 942; library of 5,505 vols.

ENTOMOLOGY

Buenos Aires

Sociedad Entomológica Argentina (*Argentine Entomological Society*): Maipú 267; f. 1925; publ. *Revista*.

FOLKLORE, ETHNOGRAPHY AND SOCIOLOGY

Buenos Aires

Asociación Correntina General San Martín: Azcuénaga 1313; library of 6,500 vols. on folklore and the Guarani.

Instituto de Sociologia (*Institute of Sociology*): Florida 656 2°p; f. 1942; Dir. Prof. GINO GERMANI; Research Dir. Prof. J. P. GRACIARENA; Sec. ORNELLA TEDESCHI; publ. *Boletín* (annual).

Santa Fé

Departamento de Estudios Etnográficos y Coloniales (*Department of Ethnographical and Colonial Studies*): Calle 25 de Mayo 1470; f. 1940; Hon. Dir. Dr. AGUSTÍN ZAPATA GOLLAN; publ. *Boletín* (irregularly), and related work.

FOUNDATIONS AND TRUSTS

Fundación Académica para el Estudio de la Historia y la Filosofía del Arte (*Foundation for the Study of History and Philosophy of Art*): Casilla 72, Sucursal 6; f. 1955; sponsors research; Sec.-Gen. and Founder Dr. ENRIQUE E. FEBBRARO.

GEOGRAPHY AND GEOLOGY

Buenos Aires

Dirección Nacional de Geología y Minería: Perú 562; attached to the National Administration of Mines and Industry of the Ministry of Economics; Dir. Dr. ROBERTO V. TEZÓN; publ. *Mapa geologico-economico de la Republica Argentina* (scale 1:200,000).

Instituto Geografico Militar (*Military Geographical Institute*): Av. Cabildo 381; f. 1879; library of 35,000 vols., 50,000 maps and plans; Dir.-Gen. General VICTOR H. J. HOSKING; publs. *Anuario* (Year-book); related technical and scientific works.

Sociedad Argentina de Mineria y Geologia (*Argentine Society of Mining and Geology*): Avda. Angel Gallardo 450; f. 1929; Pres. Dr. AGUSTIN MONTEVERDE.

Rosario

Instituto de Fisiografía y Geología (*Institute of Physiography and Geology*): Avda. Pellegrini 250; f. 1936; library of 6,000 vols.; Dir. Dra. PIERINA PASOTTI; Sec. Prof. NOEMI LURÁ.

HISTORY

Buenos Aires

Sociedad de Historia Argentina (*Argentine Historical Society*): Paraguay 577; f. 1931; Pres. Dr. José ARMANDO SECO VILLALBA; Vice-Pres. Dr. RICARDO ZORRAQUIN BECÚ; Secs. ALFREDO G. VILLEGAS, SIGFRIDO A. RADAELLI; Librarian Dr. EDGARDO HILAIRE CHANETON; 30 mems., 3 hon., 15 Argentine corresp., 27 foreign; publs. numerous historical papers and bulletins.

Santa Fé

Junta de Historia Eclesiástica Argentina (*Council of Argentine Ecclesiastical History*): Gral. López 2720; f. 1938, estab. 1941; Pres. Mons. Dr. NICOLÁS. FASOLINO; publ. *Revista Archivum* (every six months).

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International Cultural Institutes

Buenos Aires

Alianza Francesa: Córdoba 946; f. 1893; library of 30,057 vols. on France and French literature; Dir. Ariel Maudet; 707 mems.; 6,381 students.

Asociación Dante Alighieri: Calle Tucumán 1646; f. 1896; Italian cultural organisation; 1,500 mems., 34 teachers and 3,300 students; Pres. Dr. Dionisio Petriella; Sec. Ing. Mario Anfossi.

Consejo Britanico (*The British Council*): Lavalle 190; Representative Dr. N. A. R. MacKay, O.B.E.; co-operates with: **Asociaciones:** Bahiense de Cultura Inglesa, Bahia Blanca; Argentina de Cultura Británica, Córdoba; Argentina de Cultura Inglesa, Punta Alta; Rosarina de Cultura Inglesa, Rosario; Argentina de Cultura Inglesa, Santa Fé; Argentina de Cultura Inglesa, Buenos Aires; Asociación de Cultura Inglesa, Corrientes; Asociación Argentina de Cultura Inglesa, Laboulaye (Córdoba); also at Mar del Plata, Necochea, Rio Cuarto and Salta; **Institutos:** Cultural Argentino-Británico, La Plata; Cultural Anglo-Argentino, Mendoza; Argentino de Cultura Británico, Quilmes; Cultural Anglo-Argentino, Tucumán; Cultural Argentino-Británico, Mercedes, San Luis; Instituto Chaqueño de Cultura Inglesa, Resistencia; scholarships offered in Argentina.

Fédération des Alliances françaises: Ave. Córdoba 936-946; f. 1893; Dir. des cours Ariel Maudet.

Instituto Cultural Argentino Norte-Americano (I.C.A.N.A.): Maipú 686; f. 1927; 500 mems.; library of 8,500 vols. on all aspects of American life and culture; Pres. Ing. Luis Fiore; Sec. Dr. Carlos A. Adroghé.

Institución Cultural Argentino-Germana: J. E. Uriburu 1222, Buenos Aires.

Instituto Francés (attached to the Universities of Paris and Bordeaux); Biblioteca Henri Focillon: Maipú 1220; library of 17,000 vols. on French literature, civilisation and sciences; 150 selected French periodicals.

Istituto Italiano di Cultura: Charcas, 1149, Buenos Aires; Dir. Prof. Umberto Cianciolo.

Law

Buenos Aires

Instituto de Derecho Internaciónal (*Institute of International Law*): Facultad de Derecho y Ciencias Sociales, Universidad de Buenos Aires, Avda. J. Figueroa Alcorta 2263; f. 1947; Dir. Prof. Luis Podestá Costa; Sub-Dir. Prof. Ernesto C. Hermida; publ. *Revista del Instituto de Derecho Internaciónal.*

Colegio de Abogados de Buenos Aires (*Buenos Aires Bar Association*): Montevideo 640; f. 1913; 700 mems.; library of 70,000 vols.; law and social sciences; Pres. Dr. Alberto G. Padilla; Sec. Dr. Enrique Ramos Mejía; publs. *Revista.*

Sociedad Argentina de Criminología (*Argentine Criminology Society*): Libertad No. 555; f. 1933; attached to the Instituto de Criminología.

Literature

Buenos Aires

Instituto Nacional de Estudios del Teatro (*National Institute for the Study of the Theatre*): Córdoba 1199; library of 8,000 vols. on theatre and folklore; museum; Dir. Alfredo de la Guardia.

P.E.N. Club Argentino (Centro Internacional de la Asociación P.E.N.) (*International P.E.N. Centre*): Rivadavia 4060; f. 1930; Pres. Antonio Aita; 100 mems.; monthly meetings and discussions; publ. *Boletín* and books.

Sociedad Argentina de Escritores (*Authors' Society*): Potosí 4303; Pres. Dr. Carlos Alberto Erro.

Sociedad General de Autores de la Argentina (Argentores) (*Argentine Society of Authors*): Virrey Melo 1820; f. 1910; 2,100 mems.; library of 40,000 vols.; Pres. Sixto Pondal Ríos; Sec. Rodolfo M. Taboada; publs. *Boletín Social* (quarterly), *Argentores* (monthly).

Bahía Blanca

Asociación Bernardino Rivadavia—Biblioteca Popular: Av. Colón 31; f. 1882; library of 91,000 vols.; Pres. Dr. Raúl E. Bagur; Sec. Dr. Serafin Groppa; publ. *Boletín Informativo.*

Mathematics

Buenos Aires

Instituto de Cálculo (*Institute of Calculus*): Facultad de Ciencias Exactas y Naturales, Perú 222; Dir. Prof. M. Sadosky.

Sociedad Matemática Argentina (*Argentine Mathematical Society*): Perú 2941; f. 1924; publ. *Revista Matemática.*

Unión Matemática Argentina (*Argentine Mathematical Union*): Luis Sáenz Peña 1461; f. 1936; Pres. Alberto Gonzalez Dominguez.

Medicine, Surgery

Buenos Aires

Asociación Farmacéutica y Bioquímica Argentina (*Pharmaceutical and Bio-chemical Association of Argentina*): Bmé. Mitré 2041; library of 8,000 vols.

Asociación Médica Argentina (*Argentine Medical Association*): Santa Fé 1171; library of 25,000 vols.; Pres. Dr. Humberto Rugiero; Sec. Dr. Francisco Javier Romano.

Asociación Odontológica Argentina (*Dentists' Association of Argentina*): Junín 959; f. 1896; 4,200 mems.; library of 7,500 vols.; publ. *Revista de la Asociación Odontológica Argentina* (monthly).

Central de Investigaciones (*Research Centre*): Bolívar 1128; f. 1951; organisation for biological research of the Ministry of Public Health; Dir. Dr. Estanislao del Conte.

Instituto de Biología y Medicina Experimental (*Institute of Biology and Experimental Medicine*): Obligado 2490; f. 1944; library of 4,000 vols.; Dir. Dr. Bernardo A. Houssay; publ. *Memoria* (annually).

Instituto Nacional de Microbiología (*National Bacteriological Institute*): Vélez Sarsfield 563; f. 1916; Dir. Dr. José M. de la Barrera; publ. *Anales.*

Instituto de Biología de la Altura (*Institute of High-Altitude Biology*): a department of the Universidad Nacional de Tucumán; laboratories at Jujuy (1,270 metres) and Mina Aquibar (4,000 and 4,530 metres); Dir. Dr. Hugo Chiodi; publs. numerous papers on high-altitude physiology.

Instituto de Oncología "Angel H. Roffo" (*Institute of Experimental Medicine*): Avda. San Martín 5481; f. 1922; Dir. Prof. Dr. Gregorio A. Lista; publ. *Anales*; is an affiliation of Buenos Aires University.

Instituto de Investigación Médica "Mercedes Martin Ferreyra" (*Mercedes Martin Ferreyra Medical Research Institute*): 25 de Mayo 1122; f. 1946; Dir. Dr. Oscar Orias.

Instituto de Maternidad y Asistencia Social "Prof. U. Fernández" del Hospital T. de Alvear: Warnes 2424, Buenos Aires; f. 1918; Dir. Prof. Manuel Luis Pérez.

Instituto de Maternidad y Asistencia Social "Samuel Gache": Avenida Alcorta 1402; f. 1943; Dir. Prof. Dr. Eduardo M. Baldi.

Instituto Nacional de la Nutrición (*National Institute of Nutrition*): Head Office: Córdoba 3120; other offices: Díaz Vélez 4821; f. 1938; under the Ministry of Public

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Health; library of 12,000 vols.; Dir. Dr. CARLOS E. ALVARIÑAS; publ. *Revista de la Asociación Argentina de Dietologia.*

Liga Argentina contra la Tuberculosis (*Argentine Anti-Tuberculosis League*): Santa Fé 4292; f. 1901; library of 140 series of periodicals; Pres. and Technical Dir. Dr. RODOLFO A. VACCAREZZA; Sec.-Gen. Dr. JOSÉ M. ALONSO; publs. *Revista Argentina de Tuberculosis* (professional), *La Doble Cruz* (popular).

Mision de Estudios de Patalogia Regional Argentina (*Argentine Regional Mission for Pathological Studies*): Faculty of Medicine, Buenos Aires Univ.; Dir. Dr. FLAVIO L. NIÑO; publ. *Revista de la Cátedra de Microbiología y Parasitología.*

Patronato de Leprosos de la República Argentina (*Argentine Asscn. for Aid to Lepers*): J. E. Uriburu 1010-18; f. 1930; 4,155 active mems., assisted by 3 Comms. of doctors, lawyers and laymen; 21 branches, 70 sub-branches and 160 sub-comms.; it founded and provides for the Colonia Infantil "M. Esperanza" (Preventive Settlement for 700 non-infected children of patients; f. 1938), Hogar Central (Hostel for Boys; f. 1946), Hogar Central de Niñas (Hostal for Girls; f. 1959), Estudio Jurídico (free legal advice for patients); a laboratory for experiments on leprosy in the Hospital Muñiz; eighteen out-patient clinics in different towns of the country, Leprologic library "Dr. ENRIQUE P. FIDANZA", 35,000 cards; f. 1939 (Histopathological museum in organisation); Patronato de Leprosos Internacional; Pres. HERSILIA CASARES DE BLAQUIER; publs. *Memoria* (yearly), *Presente* (official organ), *Temas de Leprología* (scientific), and related works.

Sociedad Argentina de Biologia (*Argentine Biological Society*): Santa Fé 1171, Buenos Aires; f. 1920; Pres. Dr. BERNARDO A. HOUSSAY; Sec. Dr. JUAN C. PENHOS; publ. *Revista.*

Sociedad Argentina de Farmacia y Bioquimica Industrial (*Argentine Industrial Biochemistry and Pharmacy Society*): Av. del Libertador General San Martín 7774; Pres. JORGE L. MOGLIA; Sec. FRANCISCO FERNANDEZ; publ. *SAFYBI* (review).

Sociedad Argentina de Leprologia (*Argentine Society of Leprology*): Casilla de Correos 2899; f. 1954; organises national and international meetings of doctors dealing with leprosy; Pres. A. R. MERCAU; Gen. Sec. J. E. CARDAMA; publ. *Leprología* (2 or 3 a year).

Sociedad Argentina de Neurologia, Psiquiatría, y Neurocirugía (*Argentine Neurological, Neurosurgical and Psychiatrical Soc.*): Santa Fé 1171; affiliation of Asociación Médica Argentina; f. 1921; 300 mems.; Pres. Prof. Dr. GERMÁN HUGO DICKMANN; Sec. Prof. Dr. RODOLFO G. A. FERRERO.

Sociedad Argentina de Oftalmología (*Argentine Ophthalmological Society*): Santa Fé 1171; f. 1920; Pres. BAUDILIO COURTIS; Vice-Pres. Dr. HECTOR ERAUSQUIN; Sec. Dr. ROBERTO SAMPAOLESI; publ. *Archivos* (quarterly).

Sociedad Argentina de Ortopedia y Traumatologia (*Argentine Orthopædic and Traumatic Soc.*): Santa Fé 1171; f. 1936; 320 mems.; Pres. Dr. DOMINGO T. MUSCOLO; Sec. Dr. CARLOS L. AIELLO; publ. *Boletín.*

Sociedad Argentina de Pediatria (*Argentine Paediatric Society*): Santa Fé 1171; f. 1911; 1,200 mems.; Pres. Prof. Dr. JUAN J. MURTAGH; Sec. Dr. MARCOS R. LLAMBÍAS; publ. *Archivos Argentinos de Pediatria* (monthly).

Sociedad Argentina para el Estudio del Cáncer (*Argentine Soc. for the Study of Cancer*): Avenida San Martín 5481; attached to the Instituto de Oncología "Angel H. Roffo".

Sociedad de Anatomía Normal y Patológica (*Normal and Pathological Anatomy Soc.*): Santa Fé 1171; f. 1933; Pres. Dr. JOSÉ L. MONSERRAT; Sec. Dr. ALLAN J. MURRAY; publs. *Archivos.*

Sociedad de Cirugia de Buenos Aires (*Buenos Aires Surgical Society*): Santa Fé 1171; Pres. IVAN GOÑI MORENO; Sec.-Gen. GUILLERMO I. BELLEVILLE.

Sociedad de Dermatologia y Sifilografia (*Sección de la Asociación Médica Argentina*): (*Soc. of Dermatology and Syphilography*): Santa Fé 1171; f. 1934; 75 mems.; hon. mems. in Hungary, Japan, and U.S.A.; Pres. Dr. ALCIDES L. CONTI; Sec.-Gen. Dr. ANUNCIADO GRILLO; publ. *Revista.*

Sociedad de Medicina Legal y Toxicologia (*Soc. of Forensic Medicine and Toxicology*): Sarmiento 1271; f. 1929; 110 mems.; Pres. Dr. JOSÉ BELBEY; Sec. Dr. ALFREDO G. FERRER ZANCHI; publ. *Archivos de Medicina Legal.*

Sociedad Argentina de Psicologia (*Buenos Aires Psychological Society*): Callao 1159; f. 1930; Pres. ENRIQUE MOUCHET; publ. *Temas actuales de Psicología normal y patológica* 1945, *Tratado de las pasiones*, 1953-.

METEOROLOGY

Buenos Aires

Servicio Meteorologico Nacional (*National Meteorological Oüice*): Paseo Colón 317; f. 1872; library of 25,000 vols.; Dir. Lic. D. FRANCISCO LUCIO FERNÁNDEZ; publs. *Contribuciónes Estadísticas y Anales Climatológicos, Anales hidrológicos, Carta del Tiempo* (including Pluviometric and Hydrological Bulletins (daily), *Anales Sismológicos, Boletín Fenológico*, etc.

MUSIC

Buenos Aires

Sociedad Musical: Pres. ATHOS PALMA.

NUMISMATICS

Buenos Aires

Instituto Bonaerense de Numismática y Antigüedades (*Buenos Aires Inst. of Numismatics and Antiquities*): Sarmiento 531; f. 1872; Pres. HUMBERTO F. BURZIO; 50 mems., 13 corresponding in Argentina, 35 abroad; publs. *Boletín* and related works.

PHILOLOGY AND SOCIOLOGY

Buenos Aires

Sociedad Argentina de Estudios Lingüísticos (*Argentine Soc. of Linguistic Research*): 11 de Setiembre 2262; f. 1935; organised first American Congress of the Spanish language in 1939; Pres. DELFINA MOLINA Y VEDIA DE BASTIANINI; publ. *Por Nuestro Idioma.*

Córdoba

Asociación Latino-Americana de Sociología (A.L.A.S.) (*Latin-American Sociological Association*): Trejo 241; f. 1950; Pres. Prof. ALFREDO POVIÑA; Sec. Gen. Prof. ODORICO PIRES PINTO.

SCIENCE

Buenos Aires

Asociación Argentina de Ciencias Naturales "Physis" (*Argentine Asscn. of Natural Sciences*): Nazca 2330; f. 1911; Pres. Ing. Agr. ARTURO BURKART; Sec. Dra. NOEMI CATTOI; 130 mems.; publ. *Physis.*

Asociación Argentina del Frio (*Argentine Refrigeration Asscn.*): Cerrito 512; library.

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Asociación Argentina para el Progreso de las Ciencias (*Assen. for the Advancement of Science*): Avda. R. Sáenz Peña 555; Pres. Dr. ALEJANDRO C. PALADINI; Sec. Dr. CARLOS E. CARDINI; publ. *Ciencia e Investigación*.

Asociación Física Argentina (*Argentina Physics Association*): Peru 222; f. 1944.

Comisión Nacional de Energía Atomica (*National Atomic Energy Commission*): Avda. del Libertador General San Martin 8250; under the control of the Government of the Argentine Republic; f. 1950 to promote and undertake scientific and industrial research and applications of nuclear transmutations and reactions; Pres. and National Adviser Rear Admiral OSCAR A. QUIHILLALT; publ. *Informes*.

Consejo Nacional de Investigaciones Cientificas y Tecnicas (*National Council of Scientific and Technical Research*): Paseo Colon 255, 9° Piso.

Dirección General de Yacimientos Petroliferos Fiscales (Y.P.F.) (*Petroleum Institute*): Av. R. Sáenz Peña 777; library of 10,000 vols. on petroleum.

San Miguel

Observatorio de Física Cósmica: San Miguel; f. 1935; Dir. JUAN A. BUSSOLINI; publs. *Boletín Mensual, Acta Scientifica, Memorias*.

Sociedad Científica Argentina (*Argentine Scientific Soc.*): Santa Fé 1145; f. 1872; library of 46,300 vols.; 702 mems.; Pres. Dr. EDUARDO BRAUN MENÉNDEZ; affiliations in Santa Fé, La Plata, Mendoza; publ. *Anales*.

STATISTICS, ECONOMICS

Buenos Aires

Dirección Nacional de Estadística y Centos (*National Dept. of Statistics and Censuses*): Secretaria de Estado de Hacienda, Ministerio de Economía de la Nación, Hipólito Yrigoyen 250, 12° piso; library of 15,000 vols.; Dir. ENRIQUE N. COMPIANO; Dep. Dir. JULIO J. OLHZZA; publs. *Boletín de Estadística* (quarterly), *Anuario Estadístico de la República Argentina, Comercio Exterior* (special editions), *Censo Nacional de 1960-Agropecuario, por provincias* (23 sections), monthly information series.

Instituto Americano de Investigaciones Económicas, Jurídicas y Sociales (*American Institute of Economic, Juridical and Social Research*): Maipú 286; f. 1946; Pres. F. ANTONIO RIZZUTO; Sec. FRANCISCO A. RIZZUTO, Jr.; articles and papers published in the review *Veritas* and *Correo de la Fundación Rizzuto*.

La Plata

Dirección de Estadistica e Investigaciones (*General Statistical Office*): Calle 60, 732 La Plata, Pcia. de Buenos Aires; f. 1888; library of 40,000 vols.; Dir. Dr. PEDRO I. MENDIVE; publ. *Cuadernos de Estudios, Boletines Estadísticos, Anuarios*.

LIBRARIES AND ARCHIVES

Buenos Aires

Archivo General de la Nación (*General National Archives*): Av. L.N. Alem 250; Dir. ROBERTO ETCHEPAREBORDA.

Archivo General de la Música Nacional (*Archives of Argentine Music*): study and collection of examples of national music of various periods; library; Founder and Dir. Dr. ENRIQUE E. FEBBRARO.

Archivo Gráfico de la Nación (*Art Archives of the Nation*): Sante Fé 1659; Dir.-Gen. CÉSAR LÓPEZ; Sec. ENRIQUE LOMUTO.

Biblioteca Argentina Para Ciegos (*Argentine Library for the Blind*): Lezica 3909; 8,500 vols. in Braille; Pres. MARIO A. RABOSSI.

Biblioteca de Centro de Estudios Históricos "San Francisco de Sales": Irigoyen 3900.

Biblioteca de la Union Industrial Argentina (*Library of the Industrial Union*): Avda. de Mayo 1157; f. with the Inst. 1887; 30,000 vols. on statistics, law and social science trade and industry; *Hemeroteca* (library of periodicals) with valuable collections of related journals; *Archives* of the Unions many publications; Information Bureau; publs. *Catálogo*; Librarian MARIA ELIANNE MORALES TORRES.

Biblioteca de la Razón: Av. de Mayo 729; 45,000 vols.; general library.

Biblioteca de la Sociedad Rural Argentina (*Library of Agricultural Sciences*): Florida 460.

Biblioteca de la Universidad de Buenos Aires (*Library of Buenos Aires University*).

Biblioteca de Leprología "Dr. Enrique P. Fidanza" (*Leprosy Library*): Patronato de Leprosos de la República Argentina, J. E. Uriburu 1010-18; f. 1939; 35,000 cards in its catalogues; important sections on dermatology and tropical medicine; lending microfilms and slides service, museum of histopathology of skin; publ. *Temas de Leprología*, first periodical on leprosy in the country.

Biblioteca del Bibliotecario (*The Librarian's Library*): Callao 1540; f. 1944; 900 vols.; Dir. HONORIO BARBIERI; is a section of the Comisión Protectora de Bibliotecas Populares.

Biblioteca del Congreso de la Nación (*Nat. Congress Library*): Rivadavia 1850; f. 1859; 300,000 vols.; Dir. JORGE B. VIVAS; publs. *Boletín* (quarterly), *Serie de Antecedentes para la Documentación Parlamentaria, Serie Legislación Argentina, Serie Asuntos Extranjeros, Serie Bibliotecológica* (irregular), *Indice de legislación Comparada* (monthly), *Indice Bibliográfico* (monthly).

Biblioteca, Filatelia, Museo y Salón de Lectura (*Library, Museum and Lecture Hall*): Sarmiento 151, 2° Piso.

Biblioteca Nacional (*Nat. Library*): México 566; f. 1810; 682,794 vols., 46,177 MSS.; Dir. JORGE LUIS BORGES; Vice-Dir. JOSÉ E. CLEMENTE; publ. *La Biblioteca* (Dir. JORGE LUIS BORGES).

Biblioteca Nacional de Aeronáutica: Córdoba 741, Casilla de Correo 3389; 30,000 vols.; Chief Librarian MARIA JULIA FERNANDEZ.

Biblioteca Nacional de Maestros: Pizzurno 935; 100,000 vols.; general reference and education.

Biblioteca Nacional Militar (Círculo Militar) (*Nat. Military Library*): Marcelo T. de Alvear 745; f. 1940; 66,000 vols.; Librarian FAUSTO DE TEZANOS PINTO.

Biblioteca Obrera "Juan B. Justo" (*Workmen's Library*): Rivadavia 2150; 45,000 vols., general and industrial law, history and methods; publ. *Memoria*.

Biblioteca Popular del Municipio; Asociación Bernardino Rivadavia: 45,000 vols.; general and reference library.

Biblioteca Pública del Arte (*Public Library of Art*): Avda. Libertador General San Martín 1473; part of the Museo Nacional de Bellas Artes; 14,000 vols. on plastic arts, architecture, music, theatre.

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Biblioteca Pública del Colegio de Escribanos (*Library of the College of Notaries*): Callao 1542; f. 1886; 1,300 mems.; 12,000 vols., law and social science; publs. *Boletín, Revista del Notariado, Revista Internacional del Notariado Latino.*

Biblioteca Pública Gratuita de "La Prensa" (*"La Prensa" Public Free Library*): Rivadavia 552; 38,000 vols.; Dir. CARLOS ALBERTO GIUFFRA.

Biblioteca Tornquist: Ernesto Tornquist & Co., Ltda., Bartolomé Mitre 559; 52,000 vols.; economic and social sciences.

Biblioteca y Museo Numismático de Banco Central de la República Argentina (*Central Bank Library and Museum*): San Martín 275; f. 1935; 42,000 vols.; Dir. ALFREDO ESTÉVEZ; publ. *Boletín* (monthly); open to the public.

Instituto Bibliotecológico de la Universidad de Buenos Aires: Tucumán 680, Casilla 901; f. 1943; the Institute acts as a centre of bibliographical information, responsible for the catalogue of all works in the various University libraries, and itself contains a librarians' library (**Biblioteca del Bibliotecario,** 6,300 vols.). As co-ordinating agency for the University libraries, it organises courses in librarianship for their employees; Dir. HANS GRAVEN-HORST.

COMMISSIONS

Comisión Protectora de Bibliotecas Populares (*Comm. for the Protection of Public Libraries*): Callao 1540; f. 1870; Pres. Dr. ROMULO AMADEO; Sec. CÉSAR MARTINTO; publ. *Boletín.*

There were, in 1954, 1,714 Public Libraries functioning under the auspices of the Commission, with an aggregate of 6,809,682 volumes. The total number of volumes in all the public libraries in the Republic is estimated at 10,000,000.

The sixteen largest libraries are located as follows: four in the Capital, eight in the Province of Buenos Aires, one in the Province of Santa Fé, two in the Province of Tucumán, and one in the Province of Entre Rios.

Sociedad Argentina de Bibliotecarios de Instituciones Sociales, Cientificas, Artísticas y Técnicas (*Argentine Society of Librarians of Social, Scientific, Artistic and Technical Insts.*): B. Mitré 2041; f. 1937; 30 mems., 72 associates, comprising dels. from scientific insts., technical undertakings, libraries, universities, museums, and Govt. offices; Pres. ERNESTO G. GIETZ; Vice-Pres. LUCIANO PESSACQ; Sec. ABILIO BASSETS; corresp. mem. Dr. LEWIS HANKE; publs. catalogue of scientific and technical periodicals, related monographs.

Dirección de Bibliotecas Públicas Municipales (*Admin. of Public Libraries*): Carlos Calvo 4319/23; f. 1928; Dir. FRANCISCO L. BERNÁRDEZ; Sec.-Gen. HORACIO SCHIAVO; comprises 11 Public Municipal Libraries in Buenos Aires with an aggregate of 80,000 vols.

Córdoba

Biblioteca Mayor de la Universidad Nacional de Córdoba (*Library of Córdoba National University*): Calle Obispo Trejo y Sanabria 242, Apdo. 63; f. 1614, reorganised 1818; 100,000 vols.; incunabula, rare editions from the library of the Jesuit founders of Colegio Máximo, also books from the Universidad de San Carlos; Dir. E. ISIDORO MARTÍNEZ.

La Plata

Biblioteca Publica de la Universidad Nacional de la Plata (*Public Library of La Plata National University*): Plaza Rocha No. 137; f. 1884; 374,000 vols; 12 incunabula, collection of South American newspapers relating to the Independence movement; rare translations of Cervantes; collection of some 17,000 vols. on first travels in South America; Librarian Dr. JUAN MANUEL VILLA REAL.

Biblioteca Pública Municipal de La Plata: Calle 12; 3,000 vols. on law and social sciences.

Mendoza

Biblioteca Central de la Universidad Nacional de Cuyo: San Martin 914; 47,500 vols.; Dir. Prof. ENRIQUE ZULETA ALVAREZ.

Rosario

Biblioteca Argentina "Dr. Juan Alvarez" de la Municipalidad de Rosario: Pasaje Aníbal Ponce 1550; f. 1909; 94,314 vols.; works of the 16th to 20th centuries; Dir. FRANCISCO CIGNOLI.

Tucumán

Biblioteca Central de la Universidad Nacional de Tucumán: Ayacucho 482, Casilla de Correo 167; 100,000 vols.; Dir. ENRIQUE KREIBOHM.

GOVERNMENT LIBRARIES

Buenos Aires

Biblioteca del Ministerio de Relaciones Exteriores y Culto (*Ministry of Foreign Affairs Library*): Arenales 761; 50,000 vols.; Dir. ENRIQUE B. PICHETTO.

Biblioteca de la Dirección Nacional de Geologia y Mineria: Calle Peru 562; f. 1905; Dir. ANTONIO AMATO; 20,400 vols.; 3,300 pamphlets, 2,800 maps; publs. *Boletín, Anales,* statistics, maps, etc.

Biblioteca del Ministerio de Hacienda (*Treasury*): H. Irigoyen 250; 20,000 vols.; economics, law, and finance.

Libraries' Department of the Argentine Ministry of Agriculture and Livestock: Paseo Colón 974; the Department is composed of the Central Library and the library of the "Casa del Ministerio"; Mendoza 1085, Rosario, Prov. of Santa Fé. The Central Library contains 72,000 vols. and 2,387 periodicals; Dir. Ing. RAÚL RAMELLA; publs. *Boletín Bibliográfico, Circulares Bibliográficas Internas, Panorama Agropecuario, Noticioso Bibliográfico.* It has established an exchange service with foreign libraries.

La Plata

Biblioteca Técnica y Publicaciones de la Dirección de Vialidad de la Provincia de Buenos Aires (*Technical Library and Publications of the Dept. of Highways, Buenos Aires Province*): Calle 7 No. 1175; f. 1941; 4,500 vols.; Dir. Agrimensor CARLOS ALBERTO MAROTTA.

Biblioteca del Ministerio de Gobierno de la Provincia de Buenos Aires: Casa de Gobierno; 20,000 vols.; law, politics and economics.

Biblioteca de la Legislatura: Casilla de Correo 101; 40,000 vols.; law, politics, and general reference.

MUSEUMS

Buenos Aires

Museo Agricola (*Agricultural Museum*): Santa Fé 4299.

Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Instituto Nacional de Investigación de las Ciencias Naturales (*Argentine Museum of Natural Sciences*): Avenida Angel Gallardo 470; Casilla 10-Suc. 5; f. 1823; 300 mems.; oldest and most important of Latin American scientific museums, divided into zoological, botanical and geological departments; 2,000,000 ex-

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hibits; library of 165,000 vols.; Dir. MAX BIRABEN; publs. *Comunicaciones, Revista, Ciencias Botánicas, Ciencias Geológicas, Ciencias Zoológicas*, pamphlets.

Museo de Armas de la Nación (*Arms Museum*): Santa Fé 702; library.

Museo de Bellas Artes de la Boca: Pedro Mendoza 1835; painting, sculpture, engravings, and maritime museum.

Museo de la Policía Federal Argentina (*Federal Police Museum*): Charcas 2850; f. 1899; Dir. COMISARIO ADOLFO ENRIQUE RODRIGUEZ; history of the Police and criminal exhibits.

Museo de Mineralogía y Geología (*Mineralogical and Geological Museum*): Peru 562; f. 1904; important collection of minerals and rocks.

Museo Escolar de Artes Fernando Fader (*Fernando Fader Arts Museum*): Cuenca 5049.

Museo Escolar "Sarmiento" (*Sarmiento Museum*): Charcas 1081; f. 1910; Dir. CARLOS A. SALINAS.

Museo Etnográfico (*Ethnographical Museum*): Moreno 350; attached to the Department of Anthropological Sciences of the Faculty of Philosophy and Letters of the University of Buenos Aires: f. 1904; library of 30,000 vols.; Dir. Prof. ENRIQUE PALAVECINO; 120,000 exhibits; collections include: archæological, relating to Central and South America, in particular to Argentina; ethnographical, relating to the Americas, Africa, Asia, Oceania; anthropological, particularly relating to Argentina; seat of the Chairs of Anthropology, Ethnography, and American Archæology of Buenos Aires Univ.; publ. *Runa* (annually); open to the public two days weekly.

Museo Histórico Nacional (*Nat. Historical Museum*): Defensa 1600; f. 1889; library of 13,000 vols.; Dir. Capt. HUMBERTO BURZIO (acting); collections illustrating the revolution, national development, military history and heroes of the Independence.

Museo Histórico Sarmiento (*Sarmiento Historical Museum*): Cuba 2079; f. 1938; library of 13,000 vols.; Dir. Dr. BERNARDO A. LÓPEZ SANABRIA; publs. books, pamphlets and lectures on history.

Museo "Instituto Rivadavia" (*Rivadavia Inst. Museum*): Rivadavia 2838.

Museo Mitre (*Mitre Museum*): San Martín 336; library of 55,303 vols.; Dir. JORGE A. MITRE; Sec. JULIA E. GONZALEZ ELIZALDE; Sec. JUAN A. FARINI; library of volumes on American history, geography and ethnology; publ. *Revista del Museo Mitre*.

Museo Numismático del Banco Central (*Banco Central Numismatic Museum*): San Martín 275. (*See* Biblioteca y Museo Numismático del Banco Central de la República Argentina.

Museo Municipal (*Municipal Museum*): Avenida Quintana 88; Dir. Dr. JORGE A. ECHAYDE; history of Buenos Aires.

Museo Municipal "Brigadier-General Cornelio de Saavedra": Republiquetas 6309; f. 1942; Dir. CARLOS MARIA GELLY Y OBES; furniture, paintings, clothing, jewellery, books, documents, arms, coins from 1800 onwards.

Museo Municipal de Arte Hispanoamericano "Isaac Fernández Blanco" (*Isaac Fernandez Blanco Museum of Spanish-American Art*): Suipacha 1422; f. 1922; library of 1,863 vols.; Curator LUIS I. AQUINO; art and decoration of Colonial period, showing Spanish and South American origins; the building has been reconstructed by Martin Noel on the grounds of the ancient property of Viceroy Santiago de Liniers.

Museo Nacional de Arte Decorativo (*Nat. Museum of Decorative Art*): Av. Alvear 2802; Dir. Dr. JUAN R. RIVADULLA; publs. *Boletín*, catalogues, guide.

Museo Nacional de Bellas Artes (*Nat. Museum of Fine Arts*): Avda. Libertador Gen. San Martín 1473; f. 1895; Dir. JORGE ROMERO BREST (acting); Sec. SAMUEL F. OLIVER; modern representative Argentine, American, European art, also classical; owns Biblioteca Pública de Arte.

Museo Municipal de Bellas Artes y Arte Nacional (*Municipal Museum of Fine Arts and National Art*): Av. Alvear 3273; Dir. CARLOS ABREGU VIRREIRA.

Museo Nacional de Aeronáutica (*National Museum of Aeronautics*): Aeroparque de la Ciudad de Buenos Aires; Dir. Brig. EDMUNDO HUGO CIVATI BERNASCONI.

Museo Municipal de Numismática y Medallística (*Municipal Museum of Numismatics and Medals*): Obligado 2139; Dir. Dr. JOSÉ MARÍA GONZÁLES CONDE.

Museo Nacional del Teatro (*National Theatre Museum*): Córdoba 1199; library and archives.

Museo Naval (*Naval Museum*): Córdoba 599; Dir. TOMAS E. OBLIGADO.

Museo Popular Juan N. Madero: Constitución 622, San Fernando; library of 56,000 vols.; history and general reference.

Museo Social Argentino (*Argentine Welfare Museum*): Corrientes 1723; f. 1911; library of 40,000 vols.; Pres. Dr. GUILLERMO GARBARINI ISLAS.

Primer Museo Cinematográfico Argentino (*First Cinema Museum of Argentina*): Rio Bamba 423.

Corrientes

Museo Colonial, Histórico y de Bellas Artes (*Colonial, Historical and Fine Arts Museum*): Calle 9 de Julio No. 1044; f. 1929; Dir. JUANA S. C. DE CASTILLO ODENA; pictorial and period exhibits relating to the Province.

La Plata

Museo de La Plata (*La Plata Museum*): Nat. Univ. Interventor Dr. SEBASTIAN A. GUARRERA; anthropological, archæological, botanical, geological, mineralogical exhibits; contains the most complete palæontological collection in Latin America; basis the earlier valuable collections of the late Dr. Francisco P. Moreno of Buenos Aires; publs. *Anales, Revista, Notas, Theses*. scientific works.

Luján

Museo Colonial e Histórico de la Provincia de Buenos Aires (*Colonial and Historical Museum of the Province of Buenos Aires*): Calle Lezica y Torrezuri 917; f. 1923; Dir. ENRIQUE UDAONDO; Deputy Dir. ESTEBAN P. VILIERI; Sec. JOSÉ VÍCTOR ALVAREZ; library of 3,500 books and pamphlets; unique archæological, historical, and period collections housed in the Cabildo (*Town Hall*) built in 1756. Two further buildings have recently been added—the **Pabellón de la Coleccion "Gnecco"** and the **Pabellón General Belgrano**—which contains exhibits of pottery, furniture, silver and tapestries. The **Museo de Transportes** (*Transport Museum*), in an adjacent building, f. 1942, shows history of Argentine transport from an Indian pirogue to the Spanish hydroplane "Plus Ultra".

Mendoza

Museo de Historia Natural "Juan Cornelio Moyano": f. 1911; Dir. Prof. CARLOS RUSCONI; 60,000 exhibits; palæontology, anthropology, archæology, geology, folklore, etc.; unique specimens; specialised library of American and Argentine history; 6,500 vols.; rare editions; publ. *Revista*.

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Paraná

Museo Histórico de Entre Ríos "Martiniano Leguizamón" (*Historical Museum*): Urquiza 1214 (N); f. 1948; library of 14,000 vols.; Dir. Leandro Ruiz Moreno; Sec. Myriam Inés F. Izaguirre; historical, folklore, archives, numismatics; library specialising in regional, Argentine and American history; archives in course of organisation.

Museo de Entre Ríos (C.N.A.): Rivadavia 224; f. 1917; Provisional Dir. Humberto Pietranera; industry, anthropology, natural sciences; library contains 20,100 vols.; publ. *Memoria* and related works.

Museo de Bellas Artes "Pedro M. Martinez" (*Fine Arts' Museum*): Rivadavia 77; permanent exhibition of drawings, sculpture, engravings and paintings; Dir. César Fernandez Navarro.

San Carlos de Bariloche

Museo de la Patagonia "Perito Dr. Francisco P. Moreno": f. 1939; Dir. Alberto F. Anziano; political history of Patagonia, ethnological, natural sciences; publ. *Anales.*

Santa Fé

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UNIVERSIDAD NACIONAL DE CUYO
(National University of Cuyo)

CALLE RIVADAVIA 65, MENDOZA

Telephone: 32337

Founded 1939

Rector: Dr. MARIANO ZAMORANO.
Secretary-General: Ing. Agr. FIDEL ANTONIO ROIG.

DEANS:

Faculty of Philosophy and Letters: Dr. PEDRO SANTOS MARTÍNEZ.
Faculty of Medicine: Dr. JUAN ANTONIO ORFILA.
Faculty of Agriculture: Ing. Agr. MÁXIMO FEDERICO BOCKLET.
Faculty of Economics: Prof. SERGIO A. VERNIER.
Faculty of Science: Prof. MODESTO GONZÁLEZ.
Faculty of Engineering and Exact, Physical and Natural Sciences: Dr. EMILIANO PEDRO APARICIO.

TECHNICAL INSTITUTES

Colegio Universitario Central "Gral. José de San Martin".
Rector: Prof. HUMBERTO CRIMI.

Escuela de Comercio "Martin Zapata".
Director: Prof. GERARDO MANZITTI GONZÁLEZ.

Escuela de Operadores Topografos.
Director: Prof. HIPÓLITO QUINTEROS.

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Escuela de Auxiliares de Farmacia.
Director: Ana E. d'A. de Molina.

Liceo Agricola y Enológico "Domingo F. Sarmiento".
Director Int.: Ing. Agr. Osvaldo F. Moyana.

Escuela de Magisterio.
Director: Prof. Dra. Carmen Vera Arenas de Sanjúan.

Escuela de Ceramica.
Director: Dr. Francisco B. Correas.

Escuela de Comercio "Gral. Manuel Belgrano".
Director: Oscar Mario P. Masera.

Escuela Nacional de Commercio.
Director: Lic. Carlos A. Mercado Luna.

Escuela de Agricultura.
Director: (Vacant).

Escuela Normal "Juan Pascual Pringles".
Director: Prof. Fernando Acevedo.

Escuela Industrial "Domingo F. Sarmiento".
Director: Ing. Ramón Gil.

Escuela de Comercio "Libertador Gral. San Martin".
Director: Prof. Miguel Angel González Fernández.

Instituto del Trabajo.
Director General: Edgar Hugo Jofre.

Higher Institutes:

Escuela de Quimica, Bioquimica y Farmacia (*School of Chemistry Biochemistry and Pharmacy*).
Director: Prof. Rodolfo Yusem Favre.

Escuela Superior de Estudios Politicos y Sociales (*School of Political and Social Studies*).
Director: Dr. Antonio López Aguado.

Escuela Superior de Ingeniería de Petroleos (*School of Petroleum Engineering*).
Director: Dr. Gerardo Degiorgis.

Escuela Superior de Lenguas y Literaturas Extranjeras (*School of Languages and Foreign Literatures*).
Director: Prof. Francisco Murat.

Escuela Superior de Artes Plasticas (*School of Plastic Arts*).
Director: Dr. Francisco B. Correas.

Escuela Superior de Musica (*School of Music*).
Director: Prof. Elifio Rosáenz.

Escuela de Padagogia y Psicologia (*School of Pedagogy and Psychology*).
Director: Prof. Placido Alberto Horas.

Escuela de Matematicas y Fisica (*School of Mathematics and Physics*).
Director: Dr. Dietrich Voelker.

Instituto de Fisica Atomica (*School of Atomic Physics*).
Director: Dr. José Antonio Balseiro.

University Extension:

Departamento de Extension Universitaria.
Director: Dr. Americo Cali.

Departamento de Arte Escénico y Coreográfico.
Director: Prof. Carlos Perelló.

UNIVERSIDAD NACIONAL DE LA PLATA
(La Plata National University)

LA PLATA
Telephone: 36457

Founded 1884.

President: Dr. José Peco.
Rector: Dr. Panilo G. Vucetich.
Vice-Rector: Dr. Constantino Brandariz.
Secretary-General: Dr. Carlos Federico Garcia.

The University Library is open to the public.
Director: Dr. Juan Manuel Villarreal.

The University operates the radio station LR11—Radio Universidad Nacional de La Plata.
Director: Germán García.

Deans:

Faculty of Agriculture: Ing. Agr. Carlos M. J. Albizzatti.
Faculty of Physical and Mathematical Sciences: Ing. Martin Felix Francisco Langmann.
Faculty of Law and Social Sciences: Dr. Bartolome A. Fiorini.
Faculty of Humanities and Educational Sciences: Dr. Abraham Rosenvasser.
Faculty of Chemistry and Pharmacy: Dr. Danilo Carlos Vucetich.
Faculty of Veterinary Sciences: Dr. Constantino Brandariz.
Faculty of Medicine: Dr. Roberto Ciafardo.
Faculty of Natural Sciences: Dr. Sebastian Guarrera.
Faculty of Economics: Dr. Raul A. Granoni.

Selected Affiliated Schools and Institutes:

Colegio Nacional (*National College*).
Director: Prof. Julio M. Painceira.

Colegio Secundario de Senoritas "Victor Mercante".
Director: Prof. Enrique M. Barba.

Escuela de Administración Publica (*School of Public Administration*).
Director: Dr. Pedro Delfino.

Escuela Superior de Bellas Artes (*School of Fine Arts*); number of teachers 86.
Director: Dr. Noel H. Sbarra.

Escuela Graduada "Joaquin V. Gonzalez" (*Graduate School "Joaquin V. Gonzalez"*).
Director: Prof. Antonio Juan Manuel Calvo.

Escuela de Obstetricia (*School of Obstetrics*).
Director: Dr. Julio Argentino Mazza.

Escuela de Periodismo (*School of Journalism*).
Director: Pascual Cafasso.

Escuela Práctica de Agricultura y Ganadería "Maria Cruz y Manuel L. Inchausti" (*School of Agriculture and Stockbreeding*): number of teachers 7.
Director: Dr. Eduardo Víctor Szelagowski.

Instituto Superior del Observatorio Astronómico (*Astronomical Observatory*): confers degrees of Doctor; number of Professors 13.
Director: Dr. Reynaldo Cesco.

UNIVERSIDAD NACIONAL DEL LITORAL
(National University of the Litoral)

BOULEVARD PELLEGRINI 2750, SANTA FÉ
Telephone: 31061.

Founded 1919.

Rector: Dr. Josué Gollán.
Vice-Rector: Dr. Oscar Marottoli.
Secretary-General: Dr. Luis Serricchio.

Number of teaching staff: 1,382 professors.
Number of students: 22,711.

Publications: *Revista Universidad, Boletín Informativo de la Universidad*; works relating to the different Faculties and Institutes.

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DEANS:

Faculty of Juridical and Social Sciences: Dr. FRANCISCO GSCHWIND.
Faculty of Chemical Engineering: Ing. Qco. ALBERTO GUILLERMO DAVIE.
Faculty of Medical, Pharmaceutical and Related Sciences: Dr. FERNADO V. GASPARY.
Faculty of Physico-Chemical, Mathematical and Industrial Applied Sciences: Ing. JOSÉ LEÓN GARIBAY.
Faculty of Economic, Commercial and Political Sciences: Dr. SAMUEL GORBÁN.
Faculty of Philosophy and Letters: Dr. ADOLFO PRIETO.
Faculty of Odontology: Dr. DOMINGO PECORONE.
Faculty of Education: Prof. RAMON FELIX CAROPRESI.

PROFESSORS:

Faculty of Juridical and Social Sciences, Candido Pujato 2751 Santa Fé:

ACUÑA, EDUARDO (Agrarian Law).
ARDOY, HÉCTOR EUGENIO (Civil Law).
ARRIBILLAGA, RICARDO (Political Law).
BAYER, SIXTO (Finance and Financial Law).
BIELSA, RAFAEL (Administrative Law).
BOSCH, JULIA BEATRIZ (Constitutional History).
BREBBIA, ROBERTO HORACIO (Civil Law).
BUSANICHE, JOSÉ CARMELO ROQUE (Constitutional History).
BUSANICHE, JULIO J. S. (Commercial Law).
CARLOS, EDUARDO BENITO (Procedural Law).
CORDOBA Y DEL AMO LUIS (Finance and Financial Law).
FERRER, FRANCISCO MAGÍN (Civil Law).
GÓNZALEZ MEANA, JOSÉ M. (Procedural Law).
GSCHWIND, FRANCISCO JORGE (Civil Law).
JAUREGUIBERRY, JORGE ALBERTO (Roman Law).
LASSAGA, OMAR ANGEL DEL CARMEN (Notarial Legislation).
LÓPEZ CUESTA, DOMINGO M. (Introduction to Law).
MARTÍNEZ, RUDESINDO (Philosophy of Law, Internationa Public Law).
MARTINEZ DE SAN VICENTE, JULIO (International Private Law).
MOLINAS, LUCIANO F. (Finance and Financial Law).
MOSSET ITURRASPE, MARIO B. (Political Law).
MUNOZ, LUIS (Commercial Law).
ORTÍZ DE GUINEZ, LUIS (Maritime Law).
PEREZ LLANA, EDUARDO (Agrarian Law).
PIEDRABUENA, CARMELO (Procedural Law).
PRATS CARDONA, JAIME (Penal Law).
RABOTNIKOF, ABRAHAM (Introduction to Law).
REY RÍOS, ROBERTO RENÉ (Roman Law).
RIBACOBA Y RIBACOBA, MANUEL DE (Introduction to Law).
ROMERA VERA, ANGELA C. (Sociology).
ROUZAUT, ADOLFO RICARDO (Constitutional Law).
RUBINO, OSCAR B. (Forensic Medicine).
SAN VICENTE, JULIO M. DE (Private International Law).
SAUX ACOSTA, EDGARDO (Civil Law).
TERAN LOMAS, ROBERTO A. M. (Penal Law).
WEIDMANN, RODOLFO A. (Administrative Law).

Faculty of Chemical Engineering, Santiago del Estero 2829, Santa Fé:

BAIALARDO, JOSÉ (Industrial Organisation and Planning).
BARTOLUCCI, LUIS (Laboratory Technology).
BROGGINI DE CASABIANCA, VENTURINO CATALIJO (Analytical Chemistry).
BUFALICIA, NICOLÁS (Chemistry).
CLUZEL, ANDRÉS (Units of Time).
CORTI, ALBERTO LUIS (Toxicology and Forensic Chemistry).
DAVIE, ALBERTO G. (Industrial Automation).
EMILIANI, EZIO (Industrial Microbiology).
GOLLÁN, JOSUÉ (General Chemistry).
MASCOTTI, NÉSTOR (General and Applied Microbiology).
MÉNDEZ, RAFAEL OLIMPIDES (Thermodynamics).
MILIA, JOSÉ ZENÓN LIZARDO (Industrial Technology).
MOGUILLANSKY, CARLOS (Chemistry).
MONTAGNA, CARLOS (Industrial Economy and Legislation).
MULLOR MUNNÉ, JORGE B. (Inorganic Chemistry).
NIGRO, ALBERTO CARLOS (Units of Measurement).
NIKLISON, CARLOS A. (Graphic Statics and Resistance to Materials).
OTTALAGANO, ARMANDO RUBÉN (Mathematics).
PARERA, JOSÉ (Units of Time).
PRONO, CARLOS H. (Parasitology).
PUJOL, RODOLFO (Biological Chemistry and Analysis).
RICO, LUIS (Units of Measurement).
SALGADO, JOSÉ (Technical Drawing).
SAMATÁN, JUAN MARIO (Industrial Construction).
SMILES, ENRIQUE (English).
VERGARA, EMILIO A. (Physiochemistry).
VIRASORO, ENRIQUE A. (Organic Chemistry).
ZAPATA, ALFONSO DANILO (Industrial Mechanics).

Faculty of Medical, Pharmaceutical and Related Sciences, Santa Fé 3100, Rosario:

AMERISO, JOSÉ (Oto-rhino-laryngology).
ARNOLT, ROQUE I. (Toxicology and Forensic Chemistry).
BABBINI, RAFAEL (Clinical Surgery).
BARMAN, JULIO M. (Biophysics).
BURLE, ARTURO (General and Inorganic Chemistry).
CAMES, OSCAR (Clinical Surgery).
CASTAÑE DECOUD, ANÍBAL H. (Anatomy, Histology and Embryology).
CELORIA, JOSÉ (Pædiatrics and Child Health).
CIFARELLI, FRANCISCO P. (Radiology).
CIGNOLI, FRANCISCO (Technical Parmaceutics).
CORSI, NATALIO (Health Engineering).
CORTÉS, JUAN (Semeiology).
CORTÉS, MIGUEL (Biochemistry).
DELGADO, RICARDO (Surgical Pathology).
ERCOLE, RICARDO (Urology).
FERNÁNDEZ, JOSÉ M. M. (Dermatology).
FERRARI, ENRIQUE OSCAR (Mathematics).
FIGUEROA CASAS, PEDRO (Gynæcology).
GABRIEL, ALBERTO (Applied Physics of Pharmacy).
GASPARY, FERNANDO V. (Semeiology).
GONZÁLEZ, ALCIBIADES (Forensic Odontology).
GOSENDE, JULIO CÉSAR (Introduction to Obstetrics).
GRICHENER, ERNESTO (Microbiology and Parasitology).
HEER, ALFREDO EDUARDO (Dental Economics and Legal and Social Odontology).
INVALDI, ANGEL (Infectious Diseases).
KELLY, LUIS (Pharmaceutical Chemistry and Analysis).
LAVARELLO, ADOLFO G. (Obstetrics).
LEVIT, LEÓN (Forensic Medicine).
LLACER, ALBERTO J. (Quantitative Analytical Chemistry).
MANZONI, ANTONIO F. (Normal Anatomy).
MAROTTOLI, OSCAR (Orthopaedics and Traumatology).
MARTINEZ, JUAN (Clinical Medicine).
MINNHAAR, TEODORO C. F. (Clinical Therapeutics).
MON, RICARDO B. (Obstetrics).
MORI, JUAN J. (Pharmacognosy).
MURATORIO, JORGE R. (Organic Chemistry).
PARACHU, LEONARDO (Clinical Neurology).
QUARANTA, ALFONSO P. (Psychiatry).
RODRÍGUEZ ROSELLI, GERMÁN ALBERTO (Anatomy).
SABAH, EDGARD R. (Chemistry).
SCHAFFER, BERNARDO (Pharmacology).
SEVLEVER, DAVID (Social Medicine and Hygiene).
SILBERSTEIN, JOSÉ (Clinical Medicine).
SLOER, MOISÉS (Medical Pathology).
TEJERINA FOTHERINGAN, W. (Clinical Surgery).
TROILO, E. B. (Child Psychiatry).
VILA ORTÍZ, JUAN M. P. E. (Ophthalmology).

Faculty of Physio-Chemical, Mathematical and Industrial Applied Sciences, Avenida Pellegrini 250, Rosario:

BANCORA, M. E. G. (Physics).
BENDER, ABRAHAM HUMBERTO (Stability).
BENETTI APROSIO, CÉSAR AUGUSTO (Architecture).
BLODORN, ADALBERTO ANTONIO REYNALDO (Wood and Metal Buildings).
CARCEDO, MARIO (Hydraulics and Machinery Hydraulics).
CHICHONI, ROBERTO (Stability).
CLUZEL, ANDRES J. A. (Electrochemistry and Electrometallurgy).
CÓRDOBA, JORGE H. (Internal Combustion Motors).
CORNERO, GUILLERMO ALFONSO (Roads).
DI DOMENICA, MARIO (Thermal Machines and Plant).
FARENGO, ADOLFO P. (Railways).
FERRARI, CARLOS I. (Electrotechnics).
FERRARI, ENRIQUE OSCAR (Analytical Geometry).
FONTANA, JUAN ELÍAS (Metallurgy and Electrical Materials).
GASPAR, EDUARDO (Calculus).
GIRALDI, MARIO J. (Reinforced Concrete).

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HERNÁNDEZ LARGUÍA, HILARIÓN (Economics and Organisation).
ISELLA, CARLOS (Masonry and Reinforced Concrete).
IVANISSEVICH, LUDOVICO (General Hydraulics).
JUNCOS, R. I. (Study and Testing of Materials).
LOUREIRO, JORGE A. (Topography).
MANUS, ALBERTO (Drawing).
MARTÍNEZ DE SAN VICENTE, E. (Mechanical Technology).
MATTION, ALDO BRUNO (Electrotechnics and Electrical Machines).
MATTANÓ, NOÉ N. (Electrical Plants and Networks).
MOLINA, RICARDO L. (Industrial Plants and Machinery).
MOREIRAS MARQUE, CARLOS (Legal Engineering).
PADULA, RAFAEL ALBERTO (Technological Chemistry).
PASOTTI, PIERINA ANTONIETA ERNESTINA (Minerallurgy and Geology).
PLÁ, CORTÉS (Physics).
PLÁ DE VINACUA, LIDIA E. E. (Town Planning).
ROCCA, ARTURO (Ports, Rivers and Canals).
ROSSI, DOMINGO (Hydraulics and Sanitary Engineering).
RUBINSTEIN, SIMÓN (Geodesy).
SAID, ENRIQUE (Building Construction).
SCHMIDT, CARLOS E. (Projective and Descriptive Geometry).
SEGOVIA MAYER, MARIO A. (Drawing)
SUIFFET, SILVESTRE L. (Thermodynamics).
TORRES, FERNANDO L. (Soil and Foundation Mechanics).
VALENTI, OSVALDO (Industrial Organisation, Economy and Finance, Thermodynamics).
WEIMÜLLER, WALDO W. F. (Mechanics and Elements of Machinery).

School of Architecture and Town Planning, Avenida Pellegrini 250, *Rosario:*

Director: Arq. HILARION HERNÁNDEZ LARGUÍA.

AUGSBERGER, EDY (Architecture).
BENETTI APROSIO, CÉSAR (Architecture).
BORGATO, JORGE BRUNO (Building).
BORTHAGARAY, JUAN (Architecture).
BULLRICH, FRANCISCO (Amenity Integration).
DE LA TORRE, RUFINO ESTANISLAO (Architecture).
DISTÉFANO, JOSÉ E. (Construction).
GARIBAY, JOSÉ LÉON (Stability).
GASPAR, EDUARDO (Mathematics).
HARDOY, JORGE (Planning).
HERNÁNDEZ LARGUÍA, HILARIÓN (Architecture).
LENTI, JOSÉ (Architecture).
PODADERA, ANTONIO ROBERTO (Representational Systems).
RUBINSTEIN, SIMÓN (Mathematics).
SOSA, HERMES (Architecture).
VILA ORTIZ, JORGE (Landscape).

Faculty of Economic, Commercial and Political Sciences, Boulevard Orono 1261, *Rosario:*

ARÉVALO, JUAN A. (Public Finance).
ARRIBILLAGA, RICARDO (Policial Law).
ARRUE GOWLAND, ALBERTO CARLOS ENRIQUE BENITO (Civil Law).
BARO GRAF, JUAN C. (Technology).
BASSO, JOSÉ ADOLFO (Political Economy).
BERDOU, ERNESTO P. (Political Economy).
BLUSTEIN, MANUEL I. (Industrial and Agrarian Economy).
BORRAS, MODESTO JOSÉ (Stock, Co-operative and Insurance Companies).
CLARET DE VOOG. LILIA P. D. (History of Diplomacy).
CÚNEO. EDUARDO (Actuarial Analysis).
DE JUANO, MANUEL J. (Finance).
DE LA FUENTE, E. E. (Political Economy).
DÍAZ DE, BRITO SERGIO (Political History of Argentina).
DIEDERICH, EDGARDO H. (Bankruptcy and Bankruptcy Procedure).
FARINA, JUAN MARÍA (Commercial Law).
GASPAR, ANTONIO (Banking).
GASPAR, EDUARDO (Mathematics).
GOLDSCHMIDT, WERNER (International Private Law).
LAZARTE, JUAN B. (Basis of Economic and Social Science).
LECHINI, FRANCISCO E. (Accountancy).
LUCCHINI, RINALDO ESTEBAN (Labour and Industrial Law, Rural Management).
MALAPONTE, EUGENIO (Administrative Law).
MARC, JULIO (World Political Economy).
MARTÍNEZ, OSCAR RAMÓN (Mathematics).
MAZZA, SIGFRIDO CARLOS (Statistical Analysis of *N* Variables).
MONZÓN DE MADARIAGA, MARÍA ALICIA (Elementary Applied Statistics).
MOREIRAS MARQUE, CARLOS (Transport Economics).
MUNIAGURRIA, CARMELO J. M. (Constitutional Law).
ORTÍZ DE GUINEA, F. O. J. (Maritime Law).
PARACHÚ, OSCAR A. (Mathematical Analysis).
PÉREZ, ROBERTO (Finance).
RACCIATTI, HERNÁN NÉSTOR FRANCISCO (Civil Law).
REY RIOS, ROBERTO RENÉ (Languages).
RODRIGUEZ, ADOLFO (Languages).
RODRÍGUEZ ARAYA, RAÚL (Public International Law).
ROFMAN, EDMUNDO (Mathematics).
ROUZAUT, ADOLFO RICARDO (Constitutional and Administrative Law).
SERVY, ELSA CLOTILDE (Statistical Theory).
SOMOZA, PÍA (Mathematics).
STEIN COUZIER, CARLOS ENRIQUE ROQUE (Economic Geography).
SUARDI, JUAN CARLOS (Mathematics).
SUAREZ, MARÍA (Statistical Analysis).
TERROSA, MARÍA INÉS (Administrative and Censual Statistics).
VISCONTI, RUBÉN (Prices).
ZILLI, HÉCTOR PEDRO (Auditing, Financial Analysis, Interpretation of Balance Sheets).

Faculty of Odontology, Santa Fé 3100, *Rosario:*

AÑAÑOS, VÍCTOR (Radiology and Physiotherapy).
BUENO, ENRIQUE (Physiology).
CASTAÑE DECOUD, ANÍBAL (Anatomy, Histology and Embryology).
FORNES, JOSÉ B. (Introduction to Technics).
GASCARD, ENRIQUE (Clinical Prosthesis).
GIDEKEL, SAÚL (Semeiology).
GONZALEZ, ALCIBÍADES (Dental Economy).
JANNELLI, BRUNO (Anatomy).
LEDESMA, MÁXIMO (Operational Dentistry).
MARMONTI, OSCAR (Technique of Prosthesis).
NOSTE, JOSÉ (Clinical Prosthesis).
OCCHI URANGA, MARTÍN (Exodontics).
PECORONE, DOMINGO (Pharmacology, Therapeutics and Hygiene).
ROSSI, ERNESTO (Buco-Dentology).
SOLER, RENÉ (Exodontics and Dental Surgery).
TORRES, FRUTOS (Orthodontics).
TUERO, ENRIQUE (Operational Dentistry).
VIGNAU, EDGARDO (Operational Dentistry).

Faculty of Education, San Martín 365—*Parand, Entre Ríos:*

BARALDI DE MARSAL, SONIA (Science and Philosophy of Education).
BARBAGELATA, EDUARDO A. (Psychology).
CALVOSO, JUAN C. M. (Psychology).
CHIARAMONTE, JOSÉ CARLOS (History of Argentine Thought and Culture).
ECHAURI, RAÚL VICENTE EDUARDO (Logic).
HERNANDEZ, MARÍA (Latin Language and Culture).
LILLI, FURIO (History of Medieval Philosophy).
LOTHRINGER DE ROSSI, R. (English Idiom).
MELELLA, O. F. (Greek Language and Culture).
MONTOYA DE HIRSCHSON, I. E. (General Didactics).
ORTIZ DE MONTOYA, CELIA (Introduction to Philosophy—Pedagogy).
PUENTEDURA DE FERRARI, MARÍA E. (Greek Language and Literature).
RAVERA, ROSA MARÍA (Ethics).
ROMERA VERA, ANGELA (Sociology).
SANDER DE FOSTER, NELLY (Introduction to History).
TRAVADELO, DELIA (Introduction to Literature).
VASCONI, R. L. (History of Ancient Philosophy).
VICENTE, NORMA (Didactics).

Faculty of Philosophy and Letters, Entre Ríos 750, *Rosario:*

BERNSTIEN, JAIME (Educational Psychology).
BUSANICHE, JOSÉ C. R. (Argentine History).
CAPPALLETTI, ANGEL JOSÉ (Ancient Philosophy).
CARILLA, EMILIO (Spanish American Literature).
CARPIO, ADOLFO PETRONIO (Medorn Philosophy).
CASSANI, JORGE L. (Ancient History).
ESTIÚ, EMILIO ANTONIO (Ethics).
FRATTONI, ORESTE (Spanish Literature).

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GUTIÉRREZ MÁRQUEZ, JOSÉ MARIO (Anatomy and Physiology).
HALPERÍN, TULIO (Argentine History).
HERNANDEZ, MARÍA (Latin Language and Culture).
LAMARQUE DE ROMERO BREST, G. L. (Methodology).
LÓPEZ DABAT, MARIO (Argentine Political Education).
LOTHRINGER DE ROSSI, R. (English Idiom).
MERCADO VERA, ANDRES (Contemporary Philosophy).
MOLDENHAUER, M. A. G. (Linguistics and North European Literature).
ORTA NADAL, RICARDO (Oriental Ancient History).
ORTIZ DE MONTOYA, CELIA (Introduction to Philosophy).
PARDO, RAYMUNDO (Epistemology and History of Science).
PASSOTTI, PIERINA A. E. (Physical and Human Geography).
PÉREZ, LEÓN S. (Evolutionary Psychology).
PRIETO, EDUARDO J. (Latin).
REY RÍOS, ROBERTO RENÉ (Greek Literature).
SAN ROMÁN, JOSÉ (Latin Language and Culture).
SANDER DE FOSTER, NELLY (Introduction to History).
SIVORI, E. (History of Art).
THIELE, GUILLERMO (Greek Language and Culture).
TRAMONTÍN, JOSÉ (Introduction to Psychology).
TRAVADELO, DELIA (Introduction to Literature).

UNIVERSIDAD NACIONAL DEL NORDESTE
(National University of the North-East)

25 DE MAYO No. 868, CORRIENTES
Telephone: 5060

Founded 1957

Rector: Dr. JOSE D. VALENZUELA.
Vice-Rector: Cont. FELIX ERNESTO TERZANO.
Secretary-General: Dr. CARLOS A. PORTA.
Librarian: MARIA E. LECONTE.

Number of teachers: 505, including 28 professors.
Number of students: 4,300.

Faculties situated at Corrientes

Faculty of Agriculture and Veterinary Sciences:

Facultad de Agronomia y Veterinaria: Sargento Cabral 2139, Corrientes.

Dean: HECTOR MARIO CENOZ.
Secretary: JORGE ISAAC RIVERO.
Librarian: Prof. ANGELA MARÍA GREGORESKI.

PROFESSORS (*Titulares*):

Agriculture

ARISMENDI, ARMANDO E. (Agricultural Machinery).
CASCO, OGSMARO (Phytopathology).
CENOZ, HECTOR M. (Industrial Crops and Cereals).
DEMARCHI, ALFREDO E. (Agricultural Engineering).
DIEZ, RICARDO (Physics).
FARQUHARSON, DAVID F. (Organic Chemistry).
GIMENEZ D., JORGE E. (Economy, Sociology and Rural Legislation).
GONZALEZ, EUDORO (Subtropical Plants).
HENAIN, ANTONIO (Subtropical Plants).
MALDONADO, HUGO W. (Practical Agriculture).
MARTINEZ C., RAUL N. (Botany).
MARTINEZ D., JUAN (Climatology).
MOGILNER, ISIDORO (Physiology).
MOTTER, GERONIMO F. (Inorganic Chemistry).
ORTIZ, RAÚL A. (Topography).
PEREZ, CICILIO (Fruit Cultivation).
POLO, SAUL E. (Soil Science).
TASSANO, DOMINGO (Mathematics).
VALENTINI, JOSÉ E. (Forestry).
VALLEJOS, GUILLERMO (Horticulture and Floriculture).

Veterinary Sciences

AUCAR, VICENTE (Animal Infections).
AZULA, E. JUAN (Anatomy).
BENITEZ, JOSÉ A. (Pharmacology).
CONTRERAS G., C. (Agrarian Economy).
DEBIMONI, H. N. (General Zootechnics).
DIAZ, BENITO E. (Histology and Embryology).
GUISASOLA, JOSÉ N. (Fauna).
GUTNISKI, ABRAHAM (Physiology).
IBAÑEZ, ESTEBAN A. (Surgery).
LAFFONT, HUGO E. (Sera and Vaccines).
LOMBARDERO, OSCAR J. (Zoology).
LORI, ROBERTO D. (Pathological Surgery).
MAYER, HORACIO F. (Food Hygiene).
ORTEGA, ELOY M. (Dairy and Canning Industries).
SCHIFFO, HIGINIO P. (Livestock Veterinary Medicine and Surgery).
STOFFEL, JOSÉ M. (Grain Exploitation).
TORANZOS, LÁZARO (Microbiology).
VELAZQUEZ, GREGORIO (Biological Chemistry).

Affiliated Institute

Escuela Regional de Agricultura, Ganadería e Industrias Afines.

Faculty of Medicine

Facultad de Medicina: Sgto. Cabral 2001, Corrientes.

Dean: Dr. ARMANDO ROMERO.
Secretary: Dr. BERNARDO IGARZABAL.
Librarian: PABLA DE LA CRUZ MORAL DE FERRANDI.

PROFESSORS (*Titulares*):

ADEN, ALFREDO (Clinical Gynaecology).
ALSINA, WALTER A. (Normal Histology and Embryology).
BRAGE, DIEGO (Neurology).
CHERVIN, MANUEL (Clinical Ophthalmology).
COLODRERO, PRIMO M. MEANA (Psychiatry).
CORRALES, FERNANDO PROMERO (Clinical Obstetrics).
DE LA VEGA, MARCO A. (Clinical Geniture).
IGLESIA, MANUEL H. (Clinical Dermatology).
MONZÓN, ROMILIO (Surgery).
MUCHNIK, SIMON H. (Medical Pathology).
PASO, JUAN ROBERTO (Infectious Diseases).
ROMERO, ARMANDO C. (Pathological Surgery).

SCHOOL OF LAW

Escuela de Derecho de Corrientes: Cabral 2120.

Dean: Dr. JORGE ISAAC GARCIA.
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Librarian: MARÍA ESTELA LECONTE.

PROFESSORS (*Titulares*):

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BALBASTRO REGUERA, DIEGO GERMÁN (Introduction to Law).
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VIRASORO, LEOPOLDO A. (Penal Law).
YUNES, RUBEN JOSÉ (Political Economy).
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Facultad de Ciencias Exactas, Fisicas y Naturales (*Faculty of Exact, Physical and Natural Sciences*): Corrientes.

Dean: OSCAR JACINTO LOMBARDERO.

PROFESSORS (*Titulares*):

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FARQUHARSON, DAVID FERNANDO (Analytical Chemistry).
GARCIA SOLA, EMILIO ALFREDO (Industrial Chemistry).
GOMEZ VARA, MANUEL EDUARDO (Physical Chemistry and General Chemistry).
LOMBARDERO, OSCAR JACINTO (Vertebrate Zoology).
LLANO, NELLY GASTON DE (Algebra and Plane Trigonometry).
MENDEZ, ALFREDO ROLANDO (Metric Geometry).

SCHOOL OF LAND-SURVEYING

Escuela de Agrimensura: Sargento Cabral 2105, Corrientes.

Director: Agr. Nac. DOMINGO ADOLFO TASSANO.
Secretary: MARÍA DEL PILAR MUÑOZ.
Number of professors: 13.

Instituto del Profesorado: Sargento Cabral 2105, Corrientes.

Director: Ing. JORGE ATLÁNTICO RODRÍGUEZ.
Secretary: Prof. CLARA FANNY L. R. DE KESNER.
Librarian: Prof. LILA RABINOVICH.
Number of professors: 38.

Faculties situated at Resitencia

SCHOOL OF ECONOMIC SCIENCES

Escuela de Ciencias Economicas: Avdas. Castelli y Las Heras, Resitencia.

Dean: MIGUEL TESÓN.
Secretary: ERMACORA N. COMINI.
Librarian: VICENTE GUERRERO.

SCHOOL OF HUMANITIES

Escuela de Humanidades: Avda. Las Heras 727, Resitencia.

Dean: ARTHUR J. HAND.
Secretary: ALICIA LOMBARDI CONNAUGHTON.
Librarian: BRONISLAVA BITTERMAN.

OTHER SCHOOLS AT RESITENCIA

Instituto Agrotécnico: Dir. PEDRO FUENTES GODO.

Instituto de Extension Universitaria: Dir. Dr. ABRAHAM JAROSLAVSKY.

Instituto de Medicina Regional: Dir. Dr. HORACIO MAYER.

UNIVERSIDAD DE LA PAMPA

MITRE 63, SANTA ROSA
Telephone: 408
Founded 1959

Rector: Dr. VICTOR BALTASAR DURAND.
Secretary-General: GERARDO ANTONIO MACCHIOLI.
Librarian: Dr. CIRO L. ONGARO.
Number of professors: 70.
Number of students: 455.

DEANS:

Faculty of Agronomy: Ing. AG. GUILLERMO COVAS.
Faculty of Economic Sciences: Dr. VICTOR BALTASAR DURAND.

PROFESSORS:

Faculty of Agronomy:

BENCHETRIT, ISAAC (Agricultural Microbiology).
CARIZZA, RAÚL (Introduction to Zootechnics).
CARRETERO, ANTONIO (Hydrology).
COVAS, GUILLERMO (Biometrics, Calculus, Morphology, and Systematic Biology).
FORMENTI, ROBERTO (Chemistry, General, Organic and Inorganic).
FOURNIER, ALEJO (Physical Biology).
LASSALLE, JUAN CARLOS (Climatology).
POSE-RODRIGUEZ, GUALBERTO (Fruticulture).
RAFAEL, ALBERTO (Mathematics and Applied Mechanics).
RANA, ROBERTO (Horticulture and Floriculture).
RODRIGUEZ, JUAN B. (Phyto-geography).

Faculty of Economic Sciences:

BERGEL, DARIO (Private Law).
CASTRESANA, FRANCISCO S. (Business Economy and Higher Accountancy)
DURAND, VICTOR B. (Public Law).
ETCHEGOYEN, JULIO ANGEL (Economics and Professional Practice).
GIANELLA, OZIAS G. (Methodological Statistics).
GONZALEZ P., PEDRO (Economic Geography).
HORNIA, JUAN (Economy and Economic Principles).
IREBA, AMERICO (Principles of Higher Accountancy and Estate Auditing).
LAFFITTE, JULIO M. (Private Law).
NOYA, JULIO CESAR (History of Economics, Social Economy).
RAFAEL, ALBERTO (Mathematical Analysis).

UNIVERSIDAD NACIONAL DEL SUR

(National University of the South)

AVENIDA COLON 80, BAHIA BLANCA
Telephone: 23579
Founded 1956

Rector: Dr. AZIZ-UR RAHMAN.
General Secretary: Dr. JORGE OMAR ACHINELLY.
Librarian: Prof. NICOLAS MATIJEVIC.

DEANS:

Mathematics: Ing. JOSÉ MARÍA ARANGO.
Physics: Ing. JOSÉ MARÍA ARANGO (acting).
Geology and Geography: Prof. PEDRO GONZÁLEZ PRIETO.
Accountancy: Prof. PEDRO GONZÁLEZ PRIETO (acting).
Humanities: Prof. FRANCISCO MAFFEI.
Economics: Dr. LASCAR SAVEANU.
Agricultural Technology: Ing. JULIO CESAR LUCERO.
Engineering: Ing. NESTOR ANTONIO CASANOVA.
Chemistry: Dr. ALBERTO LELONG.
Electro-technics: NICOLAS KRIVOSHEIN (acting).

DIRECTORS:

Institute of Economics: UROS BACIC.
Institute of Humanities: HECTOR EDUARDO CIOCCHINI.
Institute of Engineering: NICOLAS KRIVOSHEIN (acting).
Institute of Mathematics: LUIS RUY GOMES.

PROFESSORS (*Titulares*):

ABITANTE, OSVALDO (Electrical Instruments and Measurements).
ACHILLI, RUBEN (Installation of Buildings).
ANDRES, OSCAR (Constructions of Pressed Concrete).
ARANGO, HÉCTOR (Theory of Fields and Circuits).
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GIAMBELLUCCA, JOSÉ ANGEL (Financial and Actuarial Mathematics).
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GUGLIELMI, NILDA (History of Spain).
HOENIG, ROBERTO (Topography and land-surveying).
KOPSIC, TOMISLAV (Industrial Chemistry III).
KRIVOSHEIN, NICOLAS (Construction of electrical machinery).
LARA, ASCENCIO CARLOS (Statics and resistance of materials).
LOSADA, OSCAR (Mineralogy).
LUCERO, DOLLY MARIA (Spanish Literature).
LUISONI, LEONARDO (Elements of Building).
LYSHOLM, OTTO (Descriptive Geometry).
MACKINLAY, GUILLERMO (Meteorology and Climatology).
MAFFEI, FRANCISCO (History of Philosophy).
MALLA, AMÉRICO ALCIDES (Practical Professional Law).
MANTEROLA IRAZU, NÉSTOR ANTONIO (Animal Anatomy and Physiology).
MARINELLI, EVELINA AMÉRICA (Building).
MARTELLA, JUAN (Finance General Course).
MANTEROLA IRAZU, HECTOR (Biological Chemistry and Physiology).
MAZINI, NELSON (Metallurgy and foundry).
MEDRANO, MIGUEL (Organic Chemistry I).
MENDOZA, MANUEL (Theory of Architecture).
MONACELLI, GUALTERIO (Commercial Law).
MURADAS, MANUEL (Hydraulic Machinery).
OBIOL, ELIA ELVIRA (Physics).
PASCUALETTI, JOSÉ MARIA (Drawing).
PELLEGRINA, CARLOS (Electro-mechanical installation).
PINO, ELBA MARÍA (Latin II).
PLINER, ADOLFO (Anonymous Societies, including Insurance).
RAPOPORT, HUGO (Zoology).
RIVAS, MAGNUS (Applied Mechanics).
SAVEANU, LASCAR (Political Economy).
SPELUCIN, ALCIDES (Literary theory).
STAROBINSKY, MAURICIO (General Electricity).
SUAREZ, ALBERTO (Algebra).
TERZOLI, RENATO (Industrial Economy and Organisation).
TITOLO, JOAQUIN (Applied Mechanics).
VACCARO, ALBERTO JOSÉ (Latin II).
VANELLA, JOSÉ JULIO CÉSAR (Heat Machinery).
VARELA, ELOY ANÍBAL (Economy and Organisation of Work).
VECCHIOLI, MARIO CESAR (Accountancy).
VERETTONI, HAYDÉE (Botany).
ZALAZAR, LUIS MARÍA (Highways)

UNIVERSIDAD NACIONAL DE TUCUMÁN
(National University of Tucumán)

AYACUCHO 482, TUCUMÁN

Founded 1914

Rector: Ing. EUGENIO F. VIRLA.
Vice-Rector: Ing. ROBERTO A. HERRERA.
Secretary-General: Dr. JULIO PREBICH.

DEANS:

Faculty of Exact Sciences and Technology: Ing. ROBERTO ALFREDO HERRERA.
Faculty of Agriculture: FAUSTO FOLQUER.
Faculty of Philosophy and Letters: Prof. DELIA PALADINI.
Faculty of Architecture and Townplanning: Arq. ROBERTO GALÍNDEZ.
Faculty of Biochemistry, Chemistry and Pharmacy: Dr. CARLOS F. CUENYA.
Faculty of Economics: Dr. HORACE WILLIAM BLISS.
Faculty of Medicine: Dr. LUIS VALLEJO VALLEJO.
Faculty of Law and Social Sciences: Dr. HORATIO L. POVIÑA.
Faculty of Natural Sciences of Salta: Ing. Quimico CARLOS S. MARTEARENA.

UNIVERSITY SCHOOLS

Escuela Universitaria de Ciencias Naturales: Instituto Miguel Lillo.
Director: Dr. ABRAHAM WILLINK.

Escuela Universitaria de Educación Física: Av. Benjamín Aráoz 7a.
Director: Prof. FRANCISCO CUENYA.

Escuela de Odontología: Buenos Aires 297.
Director: Dr. MIGUEL ANGEL ARCURI.

Escuela de Higiene: San Lorenzo 672.
Director: Dr. HÉCTOR MALVÁREZ.

Departamento de Humanidades y Ciencias de la Educación: Buenos Aires 141-Salta.
Director: Dr. ALBERTO E. AUSTERLITZ.

TECHNOLOGICAL INSTITUTES

Universidad tecnológica nacional: Medrano 951, Buenos Aires.

Instituto tecnológico de Buenos Aires: Cuba 1930, Buenos Aires.

Centro Superior de Estudios Economicos: Buenos Aires; f. 1962.

Instituto Superior del Hogar Agricola "Ing. Agr. Dr. Tomas Amadeo" (*Higher Institute of Domestic Agriculture*): Bolivar (Prov. of Buenos Aires); f. 1948; wide variety of courses in agriculture and horticulture.
Director: Ing. Agr. HAYDÉE BIDIGORRI.
Number of teachers: 7.
Number of students: 300 (approx.), including nationals of many South and Central American countries.

SCHOOLS OF ART AND MUSIC

Buenos Aires

Conservatorio Nacional de Música y Arte Escénico (*National Conservatoire of Music and Drama*): Callao 1521; f. 1924; library of 1,000 vols. and 12,000 musical scores; Rector A. JURAFSKY.

Escuela Industrial No. 9 (*Industrias de las Artes Gráficas*): Dir. LUIS ARMANDO MUSSI (acting).

Escuela de Artes Plásticas: Alsina 1552; Pres. José A. MEREDIZ.

Escuela Superior de Bellas Artes "Ernesto de la Carcova": Avda. Tristán Achával Rodríguez 1701; f. 1921; library of 12,050 volumes; Rector FERNANDO M. LÓPEZ ANAYA; Sec. EDUARDO BERMÚDEZ; Treas. HILDA E. SOMMARUGA; depts. of painting, sculpture, mural decoration, engraving, décors and pottery; teaching personnel 21.

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AUSTRALIA

Population 10,705,121

ACADEMY

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Founded and incorporated by Royal Charter in 1954 to promote, declare and disseminate scientific knowledge; to establish and maintain standards of scientific endeavour and achievement in the natural sciences in Australia; and to recognise outstanding contributions to the advancement of science. The academy took over the functions of the Australian National Research Council in 1955.

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FELLOWS:

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BULLEN, KEITH EDWARD, SC.D., F.R.S.
BURNET, Sir (FRANK) MACFARLANE, KT., O.M., D.SC., F.R.S., Nobel Laureate
CATCHESIDE, DAVID GUTHRIE, D.SC., F.R.S.
CHERRY, THOMAS MACFARLAND, PH.D., F.R.S.
CHRISTIANSEN, WILBUR NORMAN, D.SC.
CORNISH, EDMUND ALFRED, D.SC.
COURTICE, FREDERICK COLIN, D.SC.
COWLEY, JOHN MAXWELL, D.SC.
DAY, MAXWELL FRANK COOPER, PH.D.
DERRICK, EDWARD HOLBROOK, C.B.E., M.D., F.R.A.C.P.
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FENNER, FRANK JOHN, M.B.E., M.D., F.R.S.
FRANKEL, OTTO HERZBERG, D.SC., F.R.S.
FRASER, A. S., PH.D.
GIOVANELLI, RONALD GORDON, D.SC.
GLAESSNER, MARTIN FRITZ, D.SC.
GOTTSCHALK, ALFRED, M.D., D.SC.
GREEN, HERBERT SYDNEY, D.SC.
GRIFFITH TAYLOR (THOMAS), D.SC.
HILL, DOROTHY, PH.D., D.SC.
HILLS, EDWIN SHERBON, D.SC., F.R.S.
HOGG, ARTHUR ROBERT, D.SC.
HUXLEY, LEONARD GEORGE HOLDEN, D.PHIL.
JAEGER, JOHN CONRAD, D.SC.
KEY, KENNETH HEDLEY LEWIS, D.SC.
KING, EDGAR SAMUEL JOHN, D.SC.
LANCASTER, HENRY OLIVER, PH.D.
LE COUTEUR, KENNETH JAMES, PH.D.
LE FEVRE, RAYMOND JAMES WOOD, D.SC., PH.D
LEMBERG, MAX RUDOLF, D.PHIL., F.R.S.
MCINTYRE, A. K.
MACKERRAS, IAN MURRAY, F.R.A.C.P.
MADSEN, Sir JOHN (PERCIVAL VISSING), KT., D.SC.
MARSTON, HEDLEY RALPH, D.SC., F.R.S.
MARTIN, Sir LESLIE HAROLD, KT., C.B.E., PH.D., F.R.S.
MARTYN, DAVID FORBES, D.SC., F.R.S.
MENZIES, ROBERT GORDON, C.H., Q.C.
MEYER, RICHARD ERNST, DR.SC.TECHN.
MILLS, BERNARD YARNTON, D.SC.
MORAN, PATRICK ALFRED PIERCE, D.SC.
MORTON, ROBERT KERFORD, PH.D.
MURRAY, PATRICK DESMOND FITZGERALD, D.SC.
NICHOLSON, ALEXANDER JOHN, D.SC.
OGSTON, ALEXANDER GEORGE, D.PHIL., F.R.S.
OLIPHANT, Sir MARK (LAURENCE ELWIN), K.B.E., D.SC., F.R.S
ÖPIK, ARMIN ALEXANDER, D.PHIL.NAT.
PIDDINGTON, J. H., PH.D.
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PRIESTLEY, CHARLES HENRY BRIAN, SC.D.
RAGGATT, Sir HAROLD (GEORGE), KT., C.B.E., D.SC.
REES, ALBERT LLOYD GEORGE, D.SC.
RENDEL, JAMES MEADOWS, PH.D.
RITCHIE, E., D.SC.
ROBERTSON, RUTHERFORD NESS, D.SC., F.R.S.
ROBINSON, WILLIAM SYDNEY
RODERICK, JACK WILLIAM, PH.D.
ROGERS, WILLIAM PERCY, D.SC.
ROOM, THOMAS GERALD, F.R.S.
SHOPPEE, CHARLES WILLIAM, D.SC., F.R.S.
SMITH-WHITE, SPENCER, D.SC.AGR.
STOKES, ROBERT HAROLD, D.SC.
SUNDERLAND, SYDNEY, C.M.G., M.D., D.SC., F.R.A.C.S., F.R.A.C.P.
SUTHERLAND, KEITH LEONARD, D.SC.
SZEKERES, GEORGE
THOMAS, D. E., D.SC.
TITTERTON, ERNEST WILLIAM, C.M.G., PH.D.
TRIKOJUS, VICTOR MARTIN, D.SC.
TURNER, ARTHUR WILLIAM, O.B.E., D.SC., D.V.SC.
TURNER, JOHN STEWART, M.A., PH.D.
UNDERWOOD, ERIC JOHN, PH.D.
WALSH, ALAN, D.SC.
WALSH, ROBERT JOHN, F.R.A.C.P.
WARING, HORACE, D.SC.
WARK, IAN WILLIAM, D.SC.
WATERHOUSE, DOUGLAS FREW, D.SC.
WATERHOUSE, WALTER LAWRY, C.M.G., M.C., D.SC.AGR.
WHITE, Sir FREDERICK (WILLIAM GEORGE), K.B.E., PH.D.
WHITE, MICHAEL JAMES DENHAM, D.SC., F.R.S.
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WOOLLEY, Sir RICHARD (VAN DER RIET), KT., O.B.E., PH.D., F.R.S.

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LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

General

Australasian Association of Philosophy: Dept. of Philosophy, Sydney; f. 1923; brs. throughout Australia and New Zealand; Pres. Prof. D. H. Monro; Chair. Prof. A. K. Stout; Hon. Gen. Sec. W. J. Ginnane, M.A., B.PHIL.; publ. *Australasian Journal of Philosophy.*

Incorporated Law Institute of New South Wales: 170 Phillip Street, Sydney; f. 1884; 2,500 mems.; Pres. N. L. Cowper; Sec. H. G. Brooke; Librarian G. S. Old, B.A., LL.B., DIP.LIT.; 7,000 vols.

Agriculture

Dairy Husbandry Research Foundation: University of Sydney, Sydney; f. 1958; to promote dairy husbandry research in the Department of Animal Husbandry; Dir. Prof. T. J. Robinson.

Poultry Husbandry Research Foundation: University of Sydney, Sydney; f. 1958; to promote poultry husbandry research in the Dept. of Animal Husbandry; Dir. Prof. T. J. Robinson.

Architecture

Royal Australian Institute of Architects: 118 Alfred Street, Milson's Point, Sydney, N.S.W.; inc. 1930; Sec. R. S. Greig, publs. *Architecture in Australia* (quarterly), *Year Book.*

Affiliated Institutes:

South Australia Institute of Architects: 44 Grenfell Street, Adelaide; f. 1886; Sec. R. D. Hastwell; publ. *Quarterly Bulletin.*

Royal Victorian Institute of Architects: 53–55 Collins Place, Melbourne, C.1; Sec. John B. Islip, F.C.I.S.

Art, The Arts

Arts Council of Australia, The: 163 Crown Street, East Sydney; f. 1943; approx. 5,000 mems.; takes professional drama, music, opera, ballet and art exhibitions to schools and countryside and encourages amateur activity.

Australian Elizabethan Theatre Trust, The: 85 Goulburn Street, Sydney; f. 1954 to promote drama, opera, ballet and any other art of the theatre in Australia; 1,400 mems.; Patron Her Majesty the Queen; Pres. The Rt. Hon. Sir John Latham, G.C.M.G., Q.C.; Chair. Dr. H. C. Coombs; Exec. Dir. Neil Hutchison; publs. *The Australian Elizabethan Theatre Trust—the First Year, The Australian Theatre Year Book.*

Australian Humanities Research Council: Academy of Science Building, Canberra, A.C.T.; f. 1956 to foster scholarship and the publication of studies in the Humanities; approx. 40 mems.; Chair. Prof. J. J. Auchmuty; Sec. Dr. B. Smith; Treas. Prof. J. A. Passmore.

Contemporary Art Society of Australia: 33 Rowe Street, Sydney; also in Melbourne, Hobart and Adelaide; f. 1939 in Melbourne.

Royal Art Society of New South Wales: 175 Pitt Street, Sydney; f. 1880; 350 mems.; Pres. Erik Langker; Hon. Sec. Phyllis R. Brodziak.

Royal Queensland Art Society: Box 1602v, G.P.O., Brisbane; f. 1886; 300 mems.; Pres. E. J. A. Weller; Sec. Mrs. M. Staunton.

Royal South Australian Society of Arts: North Terrace, Adelaide; f. 1856; Pres. John Dowie; Hon. Sec. Lisette Kohlhagen.

Society of Artists: 27 Hunter Street, Sydney; f. 1895 60; mems.; Pres. Lloyd Rees; Gen. Sec. John Santry.

Victorian Artists' Society: 430 Albert Street, East Melbourne, C.2; f. 1870; 500 mems.; five exhibitions annually; Actg. Pres. Arnold Shore; Sec. Rex Bramleigh; publ. *V.A.S. Bulletin and Annual Report.*

Astronomy

Astronomical Society of South Australia (Inc.): Box 199C, G.P.O., Adelaide; f. 1892; 200 mems.; Pres. G. W. McQuistan, M.SC.; Sec. B. H. J. Waters.

Astronomical Society of Tasmania: G.P.O. Box 154-B, Hobart; f. 1930; 50 mems.; Sec. C. E. Bisdee.

Chemistry

Royal Australian Chemical Institute: 55 Collins Place, Melbourne, C.1; f. 1917; 3,925 mems.; Hon. Gen. Sec. A. R. Docking; Exec. Sec. W. E. Purnell; publs. *Proceedings of The Royal Australian Chemical Institute* (monthly), *Reviews of Pure and Applied Chemistry* (quarterly).

New South Wales Branch: 39 Martin Place, Sydney; f. 1917; Hon. Sec. A. R. Green.

Queensland Branch: P.O. Box 1728w G.P.O., Brisbane; f. 1917; Hon. Sec. D. M. Lavis.

South Australian Branch: 6 Egmont Terrace, Erindale, Adelaide; f. 1917; Sec. D. M. Lavis.

Tasmanian Branch: c/o Chemistry Department, University of Tasmania, Box 252C G.P.O., Hobart; f. 1941; Hon. Sec. Dr. P. W. Smith.

Victorian Branch: 55 Collins Place, Melbourne, C.1; f. 1917; Hon. Sec. F. C. James.

Western Australian Branch: c/o CSIRO, Private Bag, P.O. Nedlands, W.A.; f. 1917; Hon. Sec. A. G. Turton.

Economics, Politics, Social Science

Australian Institute of International Affairs: 177 Collins Street, Melbourne; f. 1932; 1,561 mems.; brs. in all States; Pres. Prof. John Andrews; Hon. Sec. Miss Nance Dickins; publ. *The Australian Outlook* (three times yearly).

Australian Institute of Political Science: Sydney; Chair. A. G. Lowndes; publ. *Australian Quarterly.*

Economic Society of Australia and New Zealand: University, Melbourne; 3,500 mems.; branches in each of the Australian State capitals and also in Wellington, Auckland, Christchurch, N.Z.; Pres. Prof. P. H. Karmel; Hon. Sec. R. F. Holder; publ. *The Economic Record.*

Institute of Public Affairs: 19 Bligh Street, Sydney, N.S.W.

Social Science Research Council of Australia: Academy of Science Building, Gordon Street, Canberra, A.C.T.; f. 1952 to encourage the advancement of social science in Australia through research and publications; approx. 64 mems.; Chair. Prof. S. J. Butlin; Hon. Sec. Prof. R. S. Parker.

Engineering, Metallurgy

Australasian Institute of Mining and Metallurgy, The: f. 1893; incorporated by Royal Charter 1955; 2,800 mems.; Pres. G. L. Clark; Sec. Miss B. E. Jacka, 399 Little Collins Street, Melbourne, C.1; publs. *Proceedings* and *Monthly Bulletin.*

Australian Institute of Metals, The: 23 McKillop Street, Melbourne, C.1; inc. 1946; branches at Adelaide, Brisbane,

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Melbourne, Newcastle, Perth, Port Kembla and Sydney; Hon. Fed. Sec. A. I. McRitchie; publs. *Journal of the Australian Institute of Metals* (quarterly), *Data Sheets* (5-10 per annum).

Institution of Engineers, Australia: Science House, Gloucester and Essex Streets, Sydney; f. 1919, inc. by Royal Charter 1938; branches in each State; 16,000 mems., Pres. R. A. Priddle, B.E., M.I.E.(Aust.); Sec. C. H. D. Harper, M.C., M.I.E.(Aust.); publs. *Journal* (eight issues annually), *Civil Engineering Transactions* (twice yearly), *Electrical and Mechanical Engineering Transactions* (twice yearly).

Royal Aeronautical Society (Australian Division): 157 Gloucester Street, Sydney, N.S.W.; f. 1928; Pres. L. P. Coombes, D.F.C., B.Sc., F.R.Ae.S., F.I.A.S., F.C.G.I., A.M.I.E.(Aust.); Sec. W. Isbister, B.E., B.Sc., M.I.E. (Aust.), F.R.Ae.S.

Standards Association of Australia: School of Arts Building, 166 Ann Street, Brisbane; f. 1939.

Geography

Geographical Society of New South Wales: Science House, Gloucester Street, Sydney; f. 1927; 400 mems.; Hon. Sec. J. S. Emery; publ. *The Australian Geographer*.

Royal Geographical Society of Australasia: Queensland Branch: 177 Ann Street, Brisbane; f. 1885; 700 mems.; Pres. Maj. Roy Cooper, F.R.G.S.A.; Hon. Gen. Dir.-Sec. D. A. O'Brien, F.R.G.S.A.; publ. *Queensland Geographical Journal*.

South Australia Branch: Insitute Buildings, North Terrace, Adelaide; f. 1885; 300 mems. pnbl. *Proceedings* (annual).

History

Royal Australian Historical Society: History House, 8 Young Street, Sydney; f. 1901; 1,150 mems.; Hon. Sec. A. J. Gray; Editor K. Cable, M.A.; publ. *Journal and Proceedings*.

Royal Historical Society of Queensland: Newstead House, Brisbane; f. 1913; 503 mems.; library; research; historical Queensland documents collected and preserved in museum; Pres. Sir Raphael Cilento; Hon. Sec. K. T. Cameron; publs. *Bulletin* (monthly), *Journal* (annual).

Royal Historical Society of Victoria: 19 Queen Street, Melbourne, C.1; f. 1909; 600 mems.; Sec. A. T. Latham; publ. *Victorian Historical Magazine*.

Tasmanian Historical Research Association: c/o State Archives, State Library, Murray Street, Hobart, f. 1951; 360 mems.; Sec. G. T. Stilwell; pub,. *Papers and Proceedings* (quarterly).

Historical Division, Royal Geographical Society of Australasia (S. Aust. Branch): Institute Building, N. Terrace, Adelaide; Chair. H. J. Finnis, M.B.E.

International Cultural Institutes

Alliance Française: Nicholas Building, 37 Swanston Street, Melbourne.

British Council, The: 18 Greenoaks Avenue, Edgecliff, N.S.W.; Rep. N. E. Williams, O.B.E.; also at 67 Queens Road, Melbourne.

Istituto Italiano di Cultura (*Italian Cultural Institute*): c/o Italian Embassy, Melbourne; Dir. Prof. Vittorio Politi.

U.S. Information Center: 46-48 Margaret Street, Sydney.

Literature, Bibliography

Australian Ex-Libris Society: Box 2076L, G.P.O., Sydney; Sec. P. Neville Barnett.

English Association—Sydney Branch: 62 Victoria Avenue, Chalswood, N.S.W.; f. 1923; 100 mems.; Pres. Miss Thelma Herring, M.A.; Hon. Sec. S. E. Lee, B.A.; publ. *Southerly* (quarterly).

Fellowship of Australian Writers: Box 3448, G.P.O., Sydney; f. 1928; 400 mems.; Pres. Walter W. Stone; Sec. Jill Hellyer; Social Sec. Miss R. Illingworth. (Branches in all States of Commonwealth.)

Library Association of Australia: c/o Public Library, Macquarie Street, Sydney, N.S.W.; f. 1937; Pres. W. G. K. Duncan, M.A., PH.D.; Hon. Gen. Sec. Athol Johnson, B.A., LL.B., B.Ec.

Melbourne Dickens Fellowship: 2 Clendon Road, Armadale, Melbourne, S.E.3; f. 1904; 130 mems.; Hon. Sec. Miss Violet McMeekin, M.R.S.T., F.T.C.L.

Melbourne Shakespeare Society: 2 Furnell Court, Toorah, Melbourne; f. 1884; 180 mems.; Pres. E. J. Brown; Hon. Sec. D. H. Rankin, M.A., M.Ed.

Medicine

Australian Physiotherapy Association (N.S.W.): Anchor House, George and Bridge Street, Sydney, N.S.W.; f. 1905; Pres. Dr. Gordon Colvin; Sec. Miss. Joan Marienthal.

College of Radiologists of Australasia, The: 135 Macquarie Street, Sydney, N.S.W.; 412 mems.; Hon. Sec. Dr. C. A. Horn.

Ophthalmological Society of Australia (B.M.A.): 27 Commonwealth Street, Sydney, N.S.W.; f. 1938; 250 mems.; Pres. Dr. T. a'B. Travers; Sec. Dr. John K. Hart.

Post-graduate Medical Foundation, The: 131 Macquarie Street, Sydney; f. 1958 to co-operate with the Post-graduate Committee in Medicine and the Faculty of Medicine within The University of Sydney in the furtherance of post-graduate education and research in medicine; Honorary Dir. V. M. Coppleson, M.B., Ch.M., F.R.C.S., F.R.A.C.S.; Executive Officer S. Panton.

Royal Australasian College of Physicians: 145 Macquarie Street, Sydney, N.S.W.; f. 1938; 12 Honorary Fellows, 421 Fellows, 723 Members (1963); Pres. Dr. K. B. Noad (N.S.W.); Hon. Sec. Dr. R. L. Harris (N.S.W.); Hon. Treas. Dr. John Sands (N.S.W.); Censor-in-Chief Sir William Morrow (N.S.W.); periodic publ. *Australian Annals of Medicine* (quarterly).

Royal Australasian College of Surgeons: Spring Street, Melbourne; Sec. H. G. Wheeler; publ. *Australian and New Zealand Journal of Surgery* (quarterly).

Nuclear Physics

Australian Atomic Energy Commission Research Establishment: Lucas Heights, Private Mail Bag, Sutherland, N.S.W.; Dir. K. F. Alder, M.Sc., F.I.M., A.M.A.I.M.M., A.M.I.R.E.(Aust.); Dep. Dir. W. H. Roberts, M.Mech.E., M.I.E.(Aust.), A.M.I.Mech.E.

Nuclear Research Foundation within the University of Sydney, The: University of Sydney, Sydney; f. 1954 to promote, foster, develop and assist nuclear research in the School of Physics within the University of Sydney; Chair. Sir Frank Packer, Kt., C.B.E.; Dir. Prof. H. Messel; Sec. Rear-Adml. H. A. Showers.

Science

Australian and New Zealand Association for the Advancement of Science: Science House, 157 Gloucester Street, Sydney; f. 1888; 2,750 mems.; branches in State capitals;

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Hon. Gen. Sec. Prof. J. R. A. McMillan, D.SC.AGR.; publs. Reports, *Australian Journal of Science*.

Royal Society of Canberra: Canberra; f. 1930; 180 mems.; Hon. Sec. M. A. Condon; Hon. Treas. Dr. E. H. Hipsley.

Royal Society of New South Wales: Science House, Sydney; f. 1821; 353 mems., 19 assoc. mems., 9 hon. mems.; Pres. H. H. G. McKern; Hon. Secs. A. H. Low, A. A. Day; library of 50,000 vols.; publs. *Journal* and *Proceedings*.

Royal Society of Queensland: Brisbane; f. 1884; 259 mems.; Pres. A. K. Denmead; Sec. Prof. R. H. Greenwood; library of 55,000 vols.; publ. *Proceedings*.

Royal Society of South Australia Inc.: 2 Kintore Avenue, Adelaide; f. 1853; 175 mems.; Pres. T. R. N. Lothian; Sec. T. D. Scott; publ. *Transactions*.

Royal Society of Tasmania: Argyle Street, Hobart; f. 1843; 580 mems.; Pres. H.E. The Governor; Hon. Sec. W. Bryden, PH.D.; publ. *Papers and Proceedings*.

Royal Society of Victoria: 9 Victoria Street, Melbourne' C.1; f. 1854; 394 mems.; Pres. Dr. R. R. Garran; Hon Sec. Edmund D. Gill; publ. *Proceedings*.

Royal Society of Western Australia: Western Australian Museum, Perth; f. 1913; 229 mems.; Pres. Dr. W. D. L. Ride, M.A., D.PHIL.; Secs. Miss M. E. Redman, B.SC., C. V. Malcolm, B.SC.(AGRIC.); Treas. R. P. J. Pillow, Dipl. P.T.C.; publ. *Journal* (quarterly).

Zoology, Natural History

Field Naturalists Club of Victoria: National Herbarium, Domain, South Yarra, S.E. 1, Victoria; f. 1880; 850 mems.; Pres. P. E. McInnes; Sec. E. H. Goghill; publ. *The Victorian Naturalist*, etc.

Linnean Society of New South Wales: Science House, 157 Gloucester Street, Sydney; f. 1874; 260 mems.; 19,000 vols. in library; Hon. Secs. W. R. Browne, A. B. Walkom; publ. *Proceedings*.

Royal Australasian Ornithologists Union: 386 Flinders Lane, Melbourne; f. 1901; 900 mems.; Hon. Gen.-Sec. Gordon Binns; publ. *Emu*.

Royal Zoological Society of New South Wales: 28 Martin Place, Sydney; f. 1879; 650 mems.; Hon. Sec. J. M. Campbell; publs. *Australian Zoologist, Proceedings*.

Royal Zoological Society of South Australia: Frome Road, Adelaide; f. 1878: 330 mems.; maintains public Zoological Gardens; Pres. Frederick Basse; Dir. W. R. Gasking; publ. *Report*.

Wild Life Preservation Society of Australia: Science House, Gloucester Street, Sydney; f. 1909; 450 mems.; Pres. J. Gordon McKern; Hon. Sec. Mrs. Thistle Y Stead, B.SC., M.ED.; publ. *Australian Wild Life* (annual with quarterly supplement).

Zoological Board of Victoria: Melbourne; est. 1936 as successor to Royal Zoological and Acclimatisation Society of Victoria (f. 1861) in the management of the Melbourne Zoological Gardens, Royal Park, Melbourne, N.2; 11 mems.; Chair. Dr. H. E. Albiston; Dir. A. G. Whitlam.

RESEARCH INSTITUTES

Agriculture, Botany, Forestry

Australian Institute of Agricultural Science: 731 Hay Street, Perth, W.A.; (W.A. Branch); approx. 200 mems.

Commonwealth Forestry and Timber Bureau: Canberra; f. 1925; Dir.-Gen. M. R. Jacobs, M.SC., DR.ING., PH.D., DIP.FOR.

Australian Forestry School: Canberra; f. 1926; Acting Principal K. P. McGrath, B.SC. FOR., M.F., DIP.FOR.

Division of Silvicultural Research and Forest Management Research: Officer-in-Charge D. A. N. Cromer, D.SC.FOR., DIP.FOR.

Division of Timber Supply Economics: Officer-in-Charge A. G. Hanson, B.SC.FOR., DIP.FOR., B.COM.

Division of A.C.T. Forests: Officer-in-Charge R. G. Green, B.SC.FOR., DIP.FOR.

Royal Botanic Gardens and National Herbarium: Birdwood Avenue, S. Yarra, Victoria; f. 1846; 88-acre plant collection and Herbarium of 1,500,000 specimens; library of 20,000 vols.; Dir. and Govt. Botanist R. T. M. Pescott, M.AGR.SC.; publs. *Guide, Muelleria* (periodical).

Waite Agricultural Research Institute: Private Bag, Adelaide; f. 1924; under management of Adelaide Univ., Dir. J. Melville; Prof. of Agricultural Chemistry D. J. D. Nicholas; Prof. of Agriculture C. M. Donald; Prof. of Entomology T. O. Browning; Plant Pathologist N. T. Flentje; Plant Physiologist L. H. May; Statistician G. N. Wilkinson; Sec. G. L. Gooden; publ. *Biennial Report*.

Education

Australian Council for Educational Research: 369 Lonsdale Street, Melbourne, C.1; f. 1930; 10 mems. of whom 6 are elected by State Institutes for Educational Research; Pres. Maj.-Gen. Sir Alan H. Ramsay, C.B., C.B.E., D.S.O., E.D., B.SC., DIP.ED., F.A.C.E.; Dir. W. C. Radford, M.B.E., M.A., M.ED., PH.D.; publs. Reviews of Education in Australia; A.C.E.R. Research Series, Reports and Tests, *Australian Journal of Education, Australian Education Index*.

Tasmanian Institute for Educational Research: "Westella", 181 Elizabeth Street, Hobart, Tasmania; Hon. Sec. H. L. Dodson, B.A., DIP.ED.

Geology

Australian Mineral Development Laboratories: Conyngham Street, Parkside, South Australia; f. 1960; Dir. Dr. L. W. Coffer; Sponsored Research Service for Mineral recovery and associated problems; Staff: approx. 120, including analysts, mineralogists, chemists, metallurgists, chemical engineers and ceramists; publs. Reports confidential to sponsors.

Geological Survey of New South Wales: Dept. of Mines, Sydney; f. 1851; Govt. Geologist F. W. Booker; publs. *Annual Reports, Geological Memoirs, Palaeontological Memoirs, Ethnological Memoirs, Records, Mineral Resources, Bulletins, Technical Reports, Mineral Industry Series, Geological Survey Reports*.

Geological Survey of Western Australia: 26 Francis Street, Perth; f. 1896; Dir. Geologist J. H. Lord; publs. *Bulletin of the Geological Survey of Western Australia*, annual *Progress Reports* and *Mineral Resources of Western Australia*.

Queensland Geological Survey: Brisbane; f. 1877; Chief Govt. Geologist A. K. Denmead; publs. *Reports, Maps, Annual Mining Review*.

South Australian Department of Mines and Geological Survey: 169 Rundle Street, Adelaide; f. 1892; Dir. T. A. Barnes; Geological Survey of S.A., mining and

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drilling branches; staff approx. 290, incl. geophysicists, geologists and mining engineers; publs. *Annual Report, Geological Survey Bulletin, Mining Review, Reports of Investigations,* Mining and Prospectors Handbooks.

Tasmania Geological Survey: Hobart; f. 1860; publs. *Bulletin, Records, Reports, Mineral Resources, Underground Water Supply, Technical Reports,* geological survey maps; c/o Department of Mines, Hobart.

Medicine

Australian Institute of Anatomy: H.Q. of Nutrition Section of the Commonwealth Department of Health, Canberra; f. 1929; Officer-in-Charge E. H. Hipsley, M.B.B.S.

Baker Medical Research Institute: Commercial Road, Prahran, S.1, Victoria; incorporating the Alfred Hospital Clinical Research Unit; Dir. T. E. Lowe, D.SC., M.D.

Commonwealth Serum Laboratories Commission: Parkville N.2, Victoria; f. 1917; for research and production of biologicals; Dir. R. W. Greville, M.B.B.S., B.V.SC.

Commonwealth X-Ray and Radium Laboratory (Commonwealth Department of Health): 30 Lonsdale Street, Melbourne, and The University, Melbourne; f. 1929; Dir. D. J. Stevens, O.B.E., B.SC.

Institute of Clinical Pathology and Medical Research: Lidcombe, N.S.W.

Institute of Medical and Veterinary Science: Frome Road, Adelaide; est. 1938 for purpose of research into diseases of human beings and animals; Chair. Ian McLachlan; Dir. James A. Bonnin, M.D., B.S., M.C.P.A., M.R.A.C.P.; Sec. D. G. Davies, A.A.S.A., A.C.I.S.; publ. *Annual Report.*

Institute of Medical Research: Royal North Shore Hospital, Pacific Highway, St. Leonards, N.S.W.

Mental Health Research Institute: Poplar Road, Parkville, N.2, Victoria; f. 1955 as branch of Mental Hygiene Dept., Victoria, to act as focus for research into mental illness in Victoria, to study and develop aspects of prevention of mental illness and to promote community understanding of mental health problems there; Dir. Dr. Alan Stoller, M.R.C.S., L.R.C.P., D.P.M.; Principal Lib. Mrs. I. Gunner, B.A., A.L.A.

National Biological Standards Laboratories: University Ground, Acton, Canberra, A.C.T.; f. 1958; mainly to examine therapeutic preparations for human and veterinary use; Dir. Leigh F. Dobson, M.B., B.SC., DIP. CLIN. PATH., D.PHIL.

National Health and Medical Research Council: Commonwealth Health Department, Canberra; Chair. Maj.-Gen. W. D. Refshauge, C.B.E. (Dir.-Gen. of Health).

School of Public Health and Tropical Medicine: Univ. of Sydney, Sydney, N.S.W.; incorporating (1930) The Australian Institute of Tropical Medicine, Townsville, Queensland; 80 mems.; library of 20,000 vols.; Dir. Prof. Sir Edward Ford, Kt.

Walter and Eliza Hall Institute of Medical Research: Royal Melbourne Hospital, P.O. Melbourne; f. 1916; Dir. Sir F. Macfarlane Burnet, O.M., F.R.S.; Dep. Dir. Dr. G. J. V. Nossal; Head Clinical Research Unit Dr. I. R. Mackay; publ. *Annual Report.*

Meteorology and Polar Studies

Commonwealth of Australia Bureau of Meteorology: Box 1289K, G.P.O., Melbourne; f. 1907; divisional offices in Perth, Adelaide, Brisbane, Sydney and Hobart; Dir. W. J. Gibbs; publs. daily weather bulletins and charts, monthly and annual rainfall maps and statistics, bulletins on special subjects, climatological publications; *Australian Meteorological Magazine, Meteorological Studies.*

Mawson Institute for Antarctic Research: University of Adelaide, Adelaide; f. 1961; to foster polar studies and research; collections include the library of the Antarctic explorer Sir Douglas Mawson, also his equipment and specimens.

Observatories

Astronomical State Observatory: Perth; f. 1896; Dir. H. S. Spigl.

Australian National Radio Astronomy Observatory (C.S.I.R.O.): Parkes, N.S.W.; f. 1961; steerable parabolic aerial system measuring 210 feet across; to locate the origin and measure the strength of radio waves reaching the earth from extraterrestrial sources; Chief of the Division of Radiophysics, C.S.I.R.O., Dr. E. C. Bowen, C.B.E., M.SC., PH.D., F.A.A.

Government Observatory: Sydney; f. 1856; Govt. Astronomer Harley W. Wood; publs. *Astrographic Catalogue* (Sydney section), *Sydney Observatory Papers.*

Mount Stromlo Observatory: Australian National University, Canberra, A.C.T.; f. 1924 as Commonwealth Observatory; transferred to Australian National University 1956; Dir. B. J. Bok, PH.D.

Riverview College Observatory: Riverview, Sydney, N.S.W.; f. 1908; Dir. Anthony Fynn, S.J.; publs. *Seismological Bulletin, Geophysical Papers* and *Riverview College Observatory Publications* (astronomical).

Stellar Intensity Interferometer: Narrabri, New South Wales; the project, when complete, will be the first of its kind in the world, and will consist of two giant parabolic mirrors, 25 ft. in diameter, each weighing about 12 tons, for measuring the size, temperature and brightness of stars.

Science

Commonwealth Scientific and Industrial Research Organisation: 314 Albert Street, East Melbourne, C.2; operates under the Science and Industry Research Act, 1949.

Chairman: Sir Frederick White, K.B.E., M.SC., PH.D.

Members of the Executive: Dr. S. H. Bastow, D.S.O., C. S. Christian, Dr. O. H. Frankel, F.R.S., Dr. I. W. Wark, and (part-time) Sir Arthur Coles, Dr. J. Melville, E. P. S. Roberts, The Rt. Hon. the Lord Casey, P.C., C.H., D.S.O., M.C.

Associate Member of the Executive: W. Ives.

Secretary: Guy B. Gresford.

Chairmen of State Committees:

Prof. H. N. Barber (Tasmania), E. H. Lee-Steere (Western Australia), Prof. E. A. Rudd (South Australia), W. Sloan (New South Wales), L. W. Weickhardt (Victoria), W. J. D. Shaw (Queensland).

Co-opted Members of Advisory Council:

Prof. A. E. Alexander, Sir. Lance Brisbane, V. G. Burley, Sir John Crawford, C.B.E., Prof. C. M. Donald, Prof. Sir John Eccles, F.R.S., F. C. Elsworth, Prof. C. W. Emmens, J. W. Foots, C. R. Kelly, C. G. McGrath, Dr. J. A. L. Matheson, B. Meecham, O.B.E., C.M.G., W. M. Morgan, Prof. J. W. Roderick, P. Ryan, I.S.O., Dr. W. A. Summerville, Prof. V. M. Trikojus, Prof. Sir Samuel Wadham, W. P. Weber, P. J. Young.

Chairmen of Laboratory Groups:

Chemical Research Laboratories, Melbourne: Dr. A. L. G. Rees, D.SC., F.A.A.

National Standards Laboratory, Sydney: F. J. Lehany, M.SC.

Chiefs of Divisions:

Animal Genetics, Sydney: Dr. J. M. Rendel.

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Animal Health, Melbourne: Dr. T. S. GREGORY.
Animal Physiology, Sydney: Dr. I. W. MCDONALD.
Applied Mineralogy, Melbourne: A. J. GASKIN.
Applied Physics, Sydney: F. J. LEHANY.
Biochemistry and General Nutrition, Adelaide: Dr. H. R. MARSTON, F.R.S.
Building Research, Melbourne: I. LANGLANDS.
Chemical Engineering, Melbourne: Dr. H. R. C. PRATT.
Chemical Physics, Melbourne: Dr. A. L. G. REES.
Coal Research, Sydney: H. R. BROWN.
Dairy Research, Melbourne: G. LOFTUS HILLS.
Entomology, Canberra: Dr. D. F. WATERHOUSE.
Fisheries and Oceanography, Cronulla, N.S.W.: Dr. G. F. HUMPHREY.
Food Preservation, Homebush, N.S.W.: Dr. J. R. VICKERY.
Forest Products, Melbourne: Dr. H. E. DADSWELL.
Land Research and Regional Survey, Canberra: G. A. STEWART.
Mathematical Statistics, Adelaide: Prof. E. A. CORNISH.
Meteorological Physics, Melbourne: Dr. C. H. B. PRIESTLEY.
Mineral Chemistry, Melbourne: I. E. NEWNHAM.
Organic Chemistry, Melbourne: Dr. J. R. PRICE.
Physical Chemistry, Melbourne: Dr. S. D. HAMANN.
Physics, Sydney: Dr. R. G. GIOVANELLI.
Plant Industry, Canberra: Dr. J. E. FALK.
Protein Chemistry, Melbourne: Dr. F. G. LENNOX.
Radiophysics, Sydney: Dr. E. G. BOWEN, C.B.E.
Soils, Adelaide: (Vacant).
Textile Industry, Geelong, Victoria: Dr. M. LIPSON.
Textile Physics, Sydney: V. D. BURGMANN.
Tribophysics, Melbourne: Dr. W. BOAS.
Tropical Pastures, Brisbane: Dr. J. G. DAVIES.
Wildlife Research, Canberra: J. H. FRITH.

Officers-in-Charge of Sections:
Agricultural Research Liaison: Dr. D. B. WILLIAMS.
Computing Research Section, Canberra: Dr. G. N. LANCE.
Editorial and Publications, Melbourne: A. E. SCOTT.
Engineering, Melbourne: R. N. MORSE.
Fodder Conservation, Melbourne: W. L. GREENHILL.
Horticultural Research Section, Merbein, Victoria: Dr. J. V. POSSINGHAM.
Industrial Research Liaison, Melbourne: L. LEWIS.
Irrigation Research Laboratory, Griffith, N.S.W.: E. R. HOARE.
Mineragraphic Investigations, Melbourne: A. J. GASKIN, M.SC.
Ore-Dressing Investigations, Melbourne: Prof. H. H. DUNKIN.
Physical Metallurgy, Melbourne: Prof. H. W. WORNER.
Soil Mechanics, Melbourne: Dr. G. D. AITCHISON.
Upper Atmosphere, Camden, N.S.W.: Dr. D. F. MARTYN, F.R.S.
Wheat Research Unit, Sydney: E. BOND.
Wildlife Survey, Canberra: J. H. FRITH.

STATISTICS

Commonwealth Bureau of Census and Statistics: Commonwealth Offices, West Block, Canberra, A.C.T.; f. 1906; Commonwealth Statistician K. M. ARCHER; library of 27,000 vols.; publs. *Official Year Book of the Commonwealth, Pocket Compendium of Australian Statistics, Bulletins: Oversea Trade, Australian Exports, Imports cleared for Home Consumption, Demography, Primary Industries* Parts I and II, *Secondary Industries* Parts I and II, *Labour Report, Transport and Communication, Finance* Parts I and II, *Quarterly Summary of Australian Statistics, Monthly Review of Business Statistics, Digest of Current Economic Statistics* (monthly), *Census 1961*, Bulletins and Parts.

LIBRARIES

AUSTRALIAN CAPITAL TERRITORY

Australian National University Library: Canberra, A.C.T.; f. 1948; 310,000 vols.; includes libraries of the Institute of Advanced Studies, (170,000 vols.), of School of General Studies (80,000 vols.), of Centre of Oriental Studies (60,000 vols.), and of John Curtin School of Medical Research (25,000 vols.); Librarian J. J. GRANEEK, M.A.

Bureau of Mineral Resources Library: *Head Office:* Library M.L.C. Building, Civic Centre, Canberra. *Geological Section:* Childers Street, Turner, Canberra.

Commonwealth Patents, Trade Marks, Designs and Copyright Offices Library: Barton, Canberra.

Commonwealth Prime Minister's Department Library: East Block, Canberra; Government procedure and administration with special strength in the history of Federation in Australia; Hansard and Commonwealth Year-Books; also Acts, Year-Books and Statistical Registers of the States; Statutory Regulations and similar material; foreign relations; military science; circ. to accredited persons only.

National Library of Australia: Canberra, A.C.T.; f. 1902, reference and lending library for Government Depts., and the Australian Capital Territory; copyright library for Australia; Archives Dept.; central documentary and educational film library; important holdings of Australiana, including Petherick, Ferguson and Nan Kivell collections and Mathews Ornithological collections; 500,000 vols., 35,000 pamphlets. 7,000 maps, 200,000 feet of microfilm, and 5,500 film titles; Librarian H. L. WHITE, M.A.; publs. *Annual Catalogue of Australian Publications* (1936 to date), *Australian Books: a Select List of Works published in or about Australia* (1949 to date annual), *Australian Public Affairs Information Service* (1945 to date; monthly), *Books published in Australia, list of books supplied to the National Library under copyright* (1946 to date; monthly), *List of Australian Government Publications* (1952 to date; monthly), *Historical Records of Australia* (33 vols. published to date), *Parliamentary Handbook and Record of Elections for the Commonwealth of Australia* (12 issues), *Catalogue of 16-mm. Films, 1950*, and *Supplements, 1951* and *1954, Australian Films, 1940–58*.

NEW SOUTH WALES

City of Sydney Public Library (formerly Sydney Municipal Library); Central Library, George Street, Sydney; f. 1909; 9 brs.; 239,850 vols.; City Librarian F. L. S. BELL, M.A., F.R.A.I.; publs. *Annual Report, Sydney: Official Guide, Facts about Sydney*.

Commonwealth Office of Education Library: A.M.P. Building, 50 Miller Street, North Sydney; comparative education, educational psychology, general, UNESCO material.

Library of the University of New South Wales: Kensington, Sydney; f. 1949; as the N.S.W. University of Technology; 258,085 vols. at Kensington, Broadway, Newcastle and other centres; Librarian JOHN METCALFE, B.A., F.L.A.

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Library of the University of New England: Armidale, N.S.W.; f. 1954; 120,000 vols.; Librarian F. H. ROGERS, M.A., F.L.A., F.N.Z.L.A.

Newcastle Public Library: Civic Centre, Newcastle 2, N.; f. 1948; reference and lending services 105,000 vols.; Librarian LINDSAY MILLER.

Parliamentary Library of New South Wales: Parliament House, Sydney, N.S.W. This library is over 100 years old and has a collection of well over 100,000 vols.

Public Library of New South Wales: Macquarie Street, Sydney; f. 1826; State copyright privileges; 760,000 vols.; includes Mitchell and Dixson Libraries and Galleries of Australiana and of historical pictures of Australasia and the Pacific; Principal Librarian and Sec. G. D. RICHARDSON, M.A.; Deputy Principal R. M. MCGREAL, B.A.

Snowy Mountains Hydro-Electric Authority Library: Box 332, P.O., Cooma North; dams, civil engineering, electrical engineering, engineering materials, hydraulic engineering.

University of Sydney Library (Fisher Library): University, Sydney; f. 1852; 718,707 vols.; Librarian (vacant).

VICTORIA

Central Catholic Library: 343 Elizabeth Street, Melbourne; theology, sociology, church history.

Commonwealth Scientific and Industrial Research Organization Libraries: Head Office, 314 Albert Street, East Melbourne, Victoria.

Monash University Library: Clayton, Victoria; f. 1961; Librarian E. H. CLARK, B.A.

Parliament Library: Parliament House, Melbourne, Victoria.

Public Library of Victoria: named changed in 1961 to State Library of Victoria.

State Library of Victoria: Swanston Street, Melbourne, C.1; f. 1853; the State library for reference (750,000 vols.) and central lending (150,000 vols.); State legal deposit privileges; State archives (over 4 million documents); special collection of art, music, heraldry and genealogy, typography, and Australiana; Archives of State Govt. Depts.; Chief Librarian J. A. FEELY, B.SC.

University of Melbourne Library: Melbourne; f. 1855; 233,889 vols.; Librarian K. A. LODEWYCKS, B.A.

QUEENSLAND

Supreme Court Library: George Street, Brisbane; f. 1862; 35,000 vols. Librarian G. H. G. SMITH;

Parliamentary Library of Queensland: Parliament House, Brisbane; f. 1860; 90,000 vols.; State copyright privileges; Printed catalogue to 1900, 3 vols.; Librarian S. G. GUNTHORPE.

Public Library of Queensland: William Street, Brisbane; f. 1896; 246,421 items; the State reference library, non-lending except through its Country Extension Service, includes Oxley Memorial Library of Australiana; has library deposit privileges; State Librarian J. L. STAPLETON.

University of Queensland Library: Brisbane; f. 1911; 230,000 vols., special collection on Pacific and Far East. Librarian HARRISON BRYAN, M.A.

WESTERN AUSTRALIA

Library of the University of Western Australia: Perth; f. 1913; 200,000 vols.; Librarian LEONARD JOLLEY.

Library Service of Western Australia: James Street, Perth; Reference Division: f. 1887; State Library, Archives and Bibliographical Centre; 200,000 vols.; copyright privilege; State Librarian F. A. SHARR, B.A., F.L.A.; Lending Division: f. 1954; 180,000 vols., 41 libraries.

SOUTH AUSTRALIA

Library of the South Australian Institute of Technology: North Terrace, Adelaide; f. 1889; reorganised 1955; 8,000 vols.; Librarian Miss M. E. BELL.

Public Library of South Australia: North Terrace, Adelaide; f. 1884; State copyright privileges; 310,000 vols.; Principal Librarian H. C. BRIDESON.

Library of the University of Adelaide: Adelaide; f. 1876; 270,000 vols.; Librarian W. A. COWAN, M.A., A.B.L.S.

TASMANIA

State Library of Tasmania: (taking in Tasmanian Public Library, f. 1849), f. 1944; Murray Street, Hobart; 268,744 vols. for adults, 117,580 for children; individual service to whole population; box service to municipal libraries serves 98 per cent of population; 3,007 documentary films and 3,718 gramophone record collection; State Librarian B. W. WRAY, F.L.A.

University of Tasmania Library: Hobart; f. 1920; 150,000 vols.; Librarian DIETRICH HANS BORCHARDT, M.A., DIP.N.Z.LIB.SCH., A.L.A.

MUSEUMS AND ART GALLERIES

NEW SOUTH WALES

Art Gallery of New South Wales: Domain, Sydney; f. 1874; the Gallery has a large and representative collection of Australian art, collections of British art of the 18th, 19th and 20th centuries, oriental art, European paintings, prints and sculptures, Japanese woodcuts (15th-20th century) and ceramics; Dir. HAL MISSINGHAM; publs. *Quarterly, Catalogue of Acquisitions* (annual), etc.

Australian Museum: College Street, Sydney; f. 1827; natural history, ethnology, palaeontology and mineralogy; Dir. J. W. EVANS, SC.D.; Deputy Dir. H. O. FLETCHER, M.SC. (Palæontology); Scientific Staff: R. O. CHALMERS, A.S.T.C. (Mineralology and Petrology); J. C. YALDWYN, PH.D., ELIZABETH C. POPE, M.SC., F.R.Z.S., C.M.Z.S. (Lower Invertebrates); D. F. MCMICHAEL, M.A., PH.D. (Conchology); H. G. COGGER, B.SC. (Amphibia, Herpetology); D. MCALPINE, M.SC. and C. N. SMITHERS, M.SC. (Entomology and Arachnology); G. P. WHITLEY, F.R.Z.S. (Ichthyology); B. MARLOW, B.SC., F.Z.S. (Mammalogy and Osteology); F. D. MCCARTHY, DIP.ANTHROP. (Anthropology and Ethnology); Librarian M. DAVIES, B.SC.; 34,000 vols.; publs. *Records of the Australian Museum, Memoirs and Monographs* (occasional), *Australian Museum Magazine* (quarterly); *Australian Aboriginal Decorative Art, Australian Aboriginal Rock Art, Handbook of the Australian Museum, Exploring Between Tidemarks, The Frogs of New South Wales.*

Macleay Museum of Natural History: Univ. of Sydney, Sydney; f. 1873; Zoology, Palaeontology and Ethnology; reference and research material in Entomology (approx. 4,000 type specimens), Ornithology, Reptilia Icthyology and Marine Invertebrata; Curator JENNY MORRIS.

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Mining and Geological Museum: George Street North, Sydney; Curator H. F. WHITWORTH.

Museum of Applied Arts and Sciences: Harris Street, Broadway, Sydney; f. 1880; administered by Board of 7 Trustees; Ceramics, oriental arts, textiles, costume, horology, arms, plastics, engineering, electronics, aviation, transport, planetarium, scientific research in Australian plant products, esp. essential oils; experimental plantation at Castle Hill, near Sydney. Herbarium. Dir. J. L. WILLIS, M.SC., Dep. Dir. H. H. G. MCKERN, M.SC., Research Officer B. E. J. SMALL, M.SC., Chemist R. O. HELLYER, M.SC., Keeper of Exhibits H. L. BROWN. Library 10,000 vols.; publs. bulletins, guides, scientific papers, etc., *Annual Report*.

Nicholson Museum of Antiquities: Univ. of Sydney, Sydney; f. 1860; collection of prehistoric Egyptian, Near Eastern, Cypriot, Greek and Roman antiquities; Curator J. R. STEWART, M.A., F.R.N.S.; Honorary Curator Emeritus Prof. A. D. TRENDALL.

J. L. Shellshear Museum of Comparative Anatomy and Physical Anthropology: Dept. of Anatomy, Univ. of Sydney; f. 1958; comparative racial series of human skulls, skeletons, and brains, and marsupials; Curator Prof. of Anatomy.

War Memorial Gallery of Fine Arts: University of Sydney, Sydney; f. 1959 to further interest in and knowledge of the fine arts; frequent loan exhibitions of pictures and objects; Dir. A. A. GAMBLE, A.R.I.B.A., F.R.A.I.A.

J. T. Wilson Museum of Human Anatomy: Dept. of Anatomy, Univ. of Sydney; f. 1886; includes 1,000 dissected parts and cross sections of the human body; Curator Prof. Dept. of Anatomy.

VICTORIA

Institute of Applied Science of Victoria: Swanston Street, Melbourne; f. 1870; Dir. R. HINDLE FOWLER, M.AGR.SC., Asst. Dir. F. J. E. KENDALL, B.AGR.SC.; Departments: Display galleries include Engineering; Applied Physics, Chemistry, Biology and Geology; Public Health, Communications, Transport. Radio-carbon Dating Service; Planetarium; Telescope demonstrations.

Leighton Gallery of Art (W. and G. Dean Pty. Ltd.), Leighton House, 346–348 Little Collins Street, Melbourne, C.1.

Museum of Modern Art and Design of Australia: 180 Flinders Street, Melbourne; f. 1958; to promote contemporary spirit in all fields of art; Dir. JOHN REED; publ. *Modern Australian Art*, Vol. I.

National Gallery of Victoria: Melbourne; f. 1859; Dir. ERIC WESTBROOK; Asst. Dir. GORDON THOMSON, B.A.; Curator of Prints and Drawings Dr. URSULA HOFF; Curator of Art Museum DAVID LAWRANCE; Education Officer KENNETH SCARLETT; Head of Art School ALAN SUMNER; contains most important collection in Southern Hemisphere; Old Masters: Rembrandt, Memling, Tiepolo, Van Dyck, Turner, Veronese, Titian, Goya, Constable, Gainsborough, Poussin, Claude, Rubens, etc.; Modern School: Manet, Monet, Pissaro, Cézanne, Sargent, McEvoy, Orpen, Degas, Van Gogh, Augustus John, Sisley, Signac, Despiau, Rodin, Sickert, Henry Moore, etc.; Australian works: many thousands of fine prints and drawings, including 36 William Blake water colours. The Art Museum contains European and Oriental sculpture, period furniture, pottery, ceramics, bronzes, glass and silver; publs. *Broadsheet* (bi-monthly), *Annual Bulletin* and various catalogues, coloured reproductions.

National Museum of Victoria: Russell Street, Melbourne; f. 1854; Dir. JOHN MCNALLY, M.SC.; publs. *Memoirs, No. 1, 1906*, *Annual Report*, *Year Book*, booklet on *Australian Aboriginal Art*, 1950, *Handbook No. 1* (Mammals of Victoria), *Collections of a Century* (Centenary History).

QUEENSLAND

Botanic Museum and Herbarium: Brisbane; f. 1889; Govt. Botanist S. L. EVERIST.

Queensland Art Gallery: Gregory Terrace, Brisbane; f. 1895; Australian, European and Asian collections; Dir. LAURENCE THOMAS; Asst. Dir. ROBERT SMITH; publ. *Art in Queensland 1859–1959*.

Queensland Museum: Gregory Terrace, Brisbane; f. 1855; zoology, geology, ethnology; Dir. GEORGE MACK, B.SC.; publ. *Memoirs of the Queensland Museum*.

SOUTH AUSTRALIA

Applied Science Museum: South Australian Institute of Technology, North Terrace, Adelaide; f. 1889; Sections of Industry, Aeronautics, Metallurgy, Mining, Mineralogy, Engineering and General Applied Science, Nuclear Fission and Hydrogen Fusion Electronics; Dir. H. E. HOOPER, A.S.A.S.M.

National Gallery of South Australia: North Terrace, Adelaide; f. 1881; collections of paintings, sculpture and other works of art, numismatics and historical items acquired under the terms of bequests of Thomas Elder, Morgan Thomas, David Murray, A. M. and A. R. Ragless, J. T. Mortlock and the d'Auvergne Boxall family and Government grant; Dir. ROBERT CAMPBELL, O.B.E.; publ. *Bulletin of the National Gallery of South Australia* (quarterly).

South Australian Museum: North Terrace, Adelaide; f. 1856; zoological material mainly from Southern and Central Australia; the Australian ethnological collection is outstanding, and, for south and central districts, one of the best in existence; approx. 20,000 vols. in library; Dir. W. PETER CROWCROFT, M.SC., D.PHIL; publ. *Records of the South Australian Museum—1918*.

WESTERN AUSTRALIA

Museum of Western Australia: Beaufort Street, Perth; f. 1887; Dir. W. D. L. RIDE, M.A., D.PHIL.; primarily natural history but also includes small historical and technological sections; main emphasis is on Western Australia.

Western Australian Art Gallery, The: Beaufort Street, Perth; f. 1895; Dir. FRANK NORTON, A.S.T.C.; Asst. Dir. ROBERT ROSE; Curator of Prints and Drawings R. W. WEDDELL.

TASMANIA

Queen Victoria Museum and Art Gallery: Wellington Street, Launceston; f. 1891; collections comprise pure and applied art, Tasmanian history, Tasmanian and general anthropology, Tasmanian botany, geology, palæontology, and zoology; Dir. W. F. ELLIS, F.R.A.I., publ. *Records of the Queen Victoria Museum* (periodically).

Tasmanian Museum and Art Gallery: 5 Argyle Street, Hobart (G.P.O. Box No. 416-B); f. 1848; Dir. Dr. W. BRYDEN, B.A., M.SC. (N.Z.), PH.D. (Edin.), F.R.S.E.

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UNIVERSITIES

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ADELAIDE

Telephone: 83211.

Telegraphic Address: UNIVAD.

Founded 1874.

Opened 1876. Royal Letters Patent 1881.

Chancellor: The Hon. Sir GEORGE LIGERTWOOD, B.A., LL.B.
Deputy Chancellor: Sir KENNETH WILLS, K.B.E., M.C., E.D.
Vice-Chancellor: H. B. BASTEN, C.M.G., M.A.
Registrar: V. A. EDGELOE, B.A.
Principal-Designate, Bedford Park: Prof. P. H. KARMEL, B.A., PH.D.

Number of full-time teachers: 465, including 54 professors.

Number of students: (1963): 7,783.

Publication: *Australian Journal of Experimental Biology and Medical Science*; Editor-in-Chief: Sir MARK L. MITCHELL, M.SC.; *The Joseph Fisher Lecture in Commerce*; *Reports of Summer Schools*; *Adelaide Law Review*; *Australian Economic Papers*.

AFFILIATED RESIDENTIAL COLLEGES:

St. Mark's College Inc.: North Adelaide; f. 1922; number of students: 110.
Master: R. B. LEWIS, B.A., B.SC.

St. Ann's College Inc.: North Adelaide; f. 1939; number of students: 180.
Principal: Miss M. K. DEASEY, M.A.

Aquinas College Inc.: North Adelaide; f. 1947; number of students: 90.
Rector: Very Rev. Father B. BUXTON, S.J., M.A.

Lincoln College Inc.: North Adelaide; f. 1951; number of students: 120.
Master: Rev. W. F. HAMBLY, M.A., B.D.

AFFILIATED INSTITUTIONS:

S.A. Institute of Technology: North Terrace, Adelaide; f. 1889; number of teachers: 550; number of students 11,500.
Director: S. I. EVANS, PH.D.

Roseworthy Agricultural College: Roseworthy; f. 1883; number of teachers: 18; number of students: 94.
Principal: R. I. HERRIOT, B.AG.SC.

DEANS:

Faculty of Agricultural Science: C. M. DONALD, M.AG.SC.
Faculty of Architecture and Town Planning: R. A. JENSEN, B.ARCH., F.R.I.B.A., A.M.T.P.I.
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THE AUSTRALIAN NATIONAL UNIVERSITY

BOX 4, G.P.O., CANBERRA, A.C.T.

Founded 1946.

Telephone: Canberra 40422.

Telegraphic Address: Natuniv, Canberra.

Undergraduate students were accepted for the first time in 1960, when the Canberra University College (f. 1929) became part of the University.

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Registrar: R. A. HOHNEN, B.EC.
Library: *See under* Libraries.
Publications: *University Calendar, Annual Report, A General Description of the University, Faculty Handbook* (School of General Studies), *Mount Stromlo Observatory, The Australian National University News, Inaugural Lectures, Commonwealth Literary Fund Lectures, Morrison Oration, Research Students' Annual Lecture, Visitor's Guide, Degree Courses Pamphlets.*

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Registrar, Institute of Advanced Studies: D. K. R. HODGKIN, B.SC.(ECON.).

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Dean: Professor A. H. ENNOR, D.SC., F.A.A.

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The Research School of Physical Sciences

Director: Sir MARK OLIPHANT, K.B.E., B.SC., M.A., PH.D., HON. LL.D., HON. D.SC., F.INST.P., F.R.S.N.Z., F.A.A., F.R.S.

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MILES, J. W., M.S., A.E., PH.D. (Applied Mathematics).
NEUMANN, B. H., DR.PHIL., PH.D., D.SC., F.R.S. (Mathematics).
PEASLEE, D. C., A.B., PH.D. (Theoretical Physics).
TITTERTON, E. W., C.M.G., PH.D., DIP.ED., F.R.S.A., F.A.A. (Nuclear Physics).
(Vacant—Particle Physics).

The Research School of Social Sciences

Director: Professor P. H. PARTRIDGE, M.A.

PROFESSORS;

BORRIE, W. D., M.A. (Demography).
HANCOCK, Sir KEITH, M.A., HON.D.LITT., F.B.A. (History).
MORAN, P. A. P., M.A., D.SC. (Statistics).
PARTRIDGE, P. H., M.A. (Social Philosophy).
PASSMORE, J. A., M.A. (Philosophy).
SAWER, G., B.A., LL.M. (Law).
SWAN, T. W., B.EC. (Economics).
(Vacant—Political Science: Sociology).

The Research School of Pacific Studies

Director: Sir JOHN CRAWFORD, C.B.E., M.EC.

PROFESSORS;

BARNES, J. A., D.S.C., M.A., D.PHIL. (Anthropology and Sociology).
CRAWFORD, Sir JOHN, C.B.E., M.EC. (Economics).
DAVIDSON, J. W., M.A., PH.D. (Pacific History).
FITZGERALD, C. P. (Far Eastern History).
MILLER, J. D. B., M.EC. (International Relations).
SPATE, O. K. H., M.A., PH.D. (Geography).

The School of General Studies

Principal, School of General Studies: Professor H. BURTON, C.B.E., B.A., M.A.
Registrar, School of General Studies: C. G. PLOWMAN, B.EC.
Number of teachers: 133 including 20 professors.
Number of students: 990 men, 338 women, 1,328 total.

DEANS

Faculty of Arts: Professor C. M. H. CLARK, M.A.
Faculty of Economics: Professor G. S. L. TUCKER, B.COM., PH.D.
Faculty of Law: Professor J. E. RICHARDSON, B.A., LL.M.
Faculty of Oriental Studies: Professor N. G. D. MALMQVIST, FIL.LIC.
Faculty of Science: Professor J. D. SMYTH, M.A., SC.D.

PROFESSORS;

ARNDT, H. W., M.A., B.LITT. (Economics).
BROWN, A., M.A., PH.D. (Mathematics).
BROWN, D. A., M.SC., PH.D., D.I.C. (Geology).
CAMERON, B. D., M.EC., PH.D. (Applied Economics).
CLARK, C. M. H., M.A. (History).
CRISP. L. F., M.A. (Political Science).
DUNBAR, D. N. F., M.SC., PH.D. (Physics).
GIBB, C. A., M.A., B.EC., PH.D., F.B.PS.S. (Psychology).
HAMBLY, A. H., M.SC., DIP.ED., F.R.A.C.I. (Chemistry).
HANNAN, E. J., B.COM., PH.D. (Statistics).
HERBST, P., M.A. (Philosophy).
HOPE, A. D., B.A. (English).
JOHNSON, R. ST. C., M.A., DIP.ED. (Classics).
LEARMONTH, A. T. A., M.A., PH.D. (Geography).
MALMQVIST, N. G. D., FIL.LIC. (Chinese).
PRYOR, L. D., D.SC. (Botany).
RICHARDSON, J. E., B.A., LL.M. (Law).
SCALES, D. P., B.A., D.de l'U. (Modern Languages).
SMYTH, J. D., M.A., SC.D. (Zoology).
TUCKER, G. S. L., B.COM., PH.D. (Economic History).

UNIVERSITY OF MELBOURNE

PARKVILLE, N.2, MELBOURNE
Telephone: 34 0484
Founded 1853.

Chancellor: The Hon. Sir ARTHUR DEAN, LL.M., LL.D., Q.C.
Deputy Chancellor: Sir WILLIAM UPJOHN, O.B.E., M.D., M.S., F.R.C.S., F.R.A.C.S.
Vice-Chancellor: Prof. Sir GEORGE PATON, B.A., B.C.L. (Oxon.), M.A., LL.D., D.C.L.
Deputy Vice-Chancellor: Prof. E. S. HILLS, D.SC., PH.D., D.I.C., F.A.A., F.R.S.
Registrar: F. H. JOHNSTON, B.A., B.COM., L.C.A. J.P.,
Secretary for Graduate Studies: L. R. D. PYKE, M.A., DIP.ED., B.SC.

Number of teachers: 1,435, including 61 professors.
Number of students: 13,000.

Publications: *Melbourne University Calendar* (annual), *Faculty Handbooks* (annual), *Melbourne University Gazette* (termly), *Research Report* (annual), *The Melbourne Graduate Newsletter* (monthly), *Handbook of Public and Matriculation Examination* (annual); Editor THE REGISTRAR.

AFFILIATED RESIDENTIAL COLLEGES:

Trinity College.
Ormond College.
Queen's College.
Newman College.
University Women's College.
Janet Clarke Hall.

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DEANS:

Faculty of Agriculture: H. C. FORSTER, PH.D., M.AGR.SC.
Faculty of Architecture: B. B. LEWIS, B.ARCH., M.A., PH.D., F.R.I.B.A., F.R.A.I.A.
Faculty of Arts: E. R. LOVE, B.A., PH.D.
Faculty of Dental Science: Sir ARTHUR B. P. AMIES, C.M.G., D.D.SC., D.L.O., F.R.C.S., F.R.A.C.S. (L.O.), F.D.S.R.C.S. (ED.) F.R.S.E. F.A.C.D.
Faculty of Economics and Commerce: R. J. DOWNING, B.A., DIP.EC.
Faculty of Education: W. H. FREDERICK, M.A., DIP.ED.
Faculty of Engineering: C. E. MOORHOUSE, B.MECH.E., M.E.E., D.ENG.
Faculty of Law: Z. COWEN, B.C.L., M.A., LL.M.
Faculty of Medicine: S. SUNDERLAND, C.M.E., D.SC., M.D., B.S., F.R.A.C.P., F.R.A.C.S., F.A.A.
Faculty of Music: G. F. LOUGHLIN, M.A., D.MUS., F.R.C.O., A.R.C.M.
Faculty of Science: C. B. O. MOHR, PH.D., B.A., M.SC., F.INST.P.
Faculty of Veterinary Science: D. C. BLOOD, B.V.SC.
Faculty of Applied Science: J. N. GREENWOOD, D.SC., M.MET.E.

PROFESSORS:

AMIES, Sir ARTHUR B. P., C.M.G., D.D.SC., D.L.O., F.R.C.S., L.R.C.P. (ED.), F.R.A.C. (L.O.), F.D.S.R.C.S., F.R.S. (ED.), F.A.C.D. (Dental Science).
ANDREWS, JOHN, B.A., PH.D. (Geography).
ATKINSON, H. F., M.B.E., M.SC., M.D.SC., D.D.S., F.D.S.R.C.S. (ED.) (Dental Prosthetics).
BALL, W. M., M.A. (Political Science).
BELZ, M. H., M.A., M.SC., F.A.S.A. (Statistics).
BLOOD, D. C., B.V.SC. (Veterinary Medicine).
BOWMAN, JOHN, M.A., B.D., D.PHIL. (Semitic Studies).
BUCHANAN, A. S., B.SC., PH.D. (Physical Chemistry).
BURKE, J. T., O.B.E., M.A. (Fine Arts).
BURNET, Sir MACFARLANE, O.M., M.D., PH.D., SC.D., D.SC., F.R.C.P., F.R.A.C.P., F.A.A., F.R.S. (Experimental Medicine).
CARO, D. E., M.SC., PH.D., F.INST.P. (Experimental Physics).
CHERRY, T. M., B.A., PH.D., SC.D., F.A.A., F.R.S. (Applied Mathematics).
COLLINS, V. L., M.D., B.S., D.C.H. (Child Health).
COWEN, Z., B.C.L., M.A., LL.M. (Public Law).
COWLEY, J. C., PH.D., D.SC., F.A.A., F.INST.P.
CRAWFORD, R. M., M.A. (History).
CROCK, G. W., M.B., B.S., F.R.C.S. (Ophthalmology).
De GRUCHY, G. C., M.D., B.S., M.R.C.P., F.R.A.C.P., M.C.P.A. (Medicine).
DERHAM, D. P., M.B.E., B.A., LL.M. (Jurisprudence).
DOWNING, R. I., B.A., DIP.EC. (Economic Research).
EWING, M. R., M.B., CH.B., M.SC., F.R.C.S.ED., F.R.C.S. (Surgery; James Stewart Professor).
FORD, H. A. J., LL.M., S.J.D. (Commercial Law).
FORSTER, H. C., PH.D., M.AGR.SC. (Agriculture).
FRANCIS, A. J., M.SC., PH.D., A.M.I.C.E., A.M.I.STRUCT.E. (Civil Engineering).
FREDERICK, W. H., M.A., DIP.ED. (Education).
GIBSON, A. B., M.A., D.LITT. (Philosophy).
GOLDBERG, L., B.A., M.COM., F.A.S.A. (Accounting).
GREENWOOD, J. N., M.MET.E., D.SC. (*Senior Professor*).
HENDERSON, P. L., M.E., PH.D., M.I.MECH.E., M.I.C.E., M.I.CHEM.E., M.I.E.AUST. (Mechanical Engineering).
HILLS, E. S., D.SC., PH.D., D.I.C., F.A.A., F.R.S. (Geology and Mineralogy).
HOPPER, V. D., D.SC., F.INST.P. (Physics, R.A.A.F. Academy).
HUNT, H. A. K., M.A., LITT.D., DIP.ED. (Classics).
ISAAC, J. E., PH.D., B.COM. (Economics).
JACKMAN, L. M., M.SC., PH.D. (Organic Chemistry).
JACKSON, R. F., B.A., M.A. (French).
KING, E. S. J., D.SC., M.D., M.S., F.C.P.A., F.A.A. (Pathology).
LA NAUZE, J. A., M.A. (History).
LEWIS, B. B., B.ARCH., M.A., PH.D., F.R.I.B.A., F.R.A.I.A. (Architecture).
LOUGHLIN, G. F., M.A., D.MUS., F.R.C.O., A.R.C.M. (Music).
LOVE, E. R., B.A., PH.D. (Pure Mathematics).
LOVELL, R. R. H., M.D., B.S., M.SC., M.R.C.P., M.R.C.S. (Medicine; James Stewart Professor).
MARTIN, R. L., M.SC., PH.D. (Inorganic Chemistry).
MAXWELL, I. R., B.A., LL.B., B.LITT. (English Language and Literature).
MOHR, C. B. O., B.A., M.SC., PH.D., F.INST.P. (Theoretical Physics).
MOORHOUSE, C. E., B.MECH.E., M.E.E., M.I.E.(AUS.), MEM.A.I.E.E., A.M.I.E.E. (Electrical Engineering).
OESER, O. A., M.A., M.SC., DR.PHIL., PH.D., F.B.PS.S. (Psychology).
PREST, W., M.A., M.COM. (Economics).
RAY, L. J., M.B., B.S., PH.D. (Anatomy).
RENNIE, B. C., M.A., PH.D. (Mathematics, R.A.A.F. Academy).
RUBBO, S. D., B.SC., M.B., B.S., PH.D., DIP.BACT., M.P.S. (Bacteriology).
SAMUEL, R. H., DR.PHIL., PH.D. (Germanic Languages).
SHAW, F. H., M.SC., PH.D. (Pharmacology).
SIMON, H. F., B.A. (Oriental Studies).
SUNDERLAND, S., C.M.G., D.SC., M.D., B.S., F.R.A.C.P., F.A.A. (Experimental Neurology).
TOWNSEND, S. L., V.R.D., M.B., B.S., F.R.C.S.(EDIN.), F.R.A.C.S., F.R.C.O.G., D.T.M. & H. (Obstetrics and Gynæcology).
TRIKOJUS, V. M., D.SC., PH.D. (Biochemistry).
TURNER, J. S., M.A., M.SC., PH.D., F.A.A. (Botany).
WHITE, M. J. D., D.SC., F.A.A. (Zoology).
WILLETT, F. J., B.A. (Commerce and Business Administration).
WOODRUFF, W., B.SC. (ECON.), PH.D., DIP.ECON. AND POL.SC. (Economic History).
WORNER, H. W., D.SC., F.I.M., M.AUST.I.M.M., A.R.A.C.I. (Metallurgy).
WRIGHT, R. D., M.B., M.S., D.SC., F.R.A.C.S., F.R.A.C.P. (Physiology)

MONASH UNIVERSITY

WELLINGTON ROAD, CLAYTON, VICTORIA
Telephone: Melbourne 544, 0611
Telegraphic Address: Monashuni, Melbourne.
Founded 1958 (opened 1961)

Chancellor: Sir ROBERT BLACKWOOD, M.C.E., B.E.E.(MELB.), M.I.E.(AUST.).
Vice-Chancellor: J. A. L. MATHESON, M.B.E., M.SC., PH.D., M.C.E., M.I.C.E., M.I.STRUCT.E., M.I.E.(AUST.).
Registrar: F. H. JOHNSON, M.A.
Librarian: E. H. CLARK, B.A.

Number of teachers: 217.
Number of students: 1,700.

Publications: *Information for Students* (1963), *Calendar* (1963), *Faculty Handbooks* (1963), *University Council Reports 1958–61.*

DEANS:

Faculty of Arts: W. A. G. SCOTT, B.A., B.LITT.
Faculty of Economics and Politics: D. COCHRANE, PH.D., B.COM.
Faculty of Engineering: K. H. HUNT, M.A., M.MECH.E., A.M.I.MECH.E., A.M.I.E.(AUST.).
Faculty of Medicine: R. R. ANDREW, M.D., B.S., F.R.C.P., F.R.A.C.P.
Faculty of Science: K. C. WESTFOLD, D.PHIL., M.A., B.SC.

PROFESSORS:

ANDREW, R. R., M.D., B.S., F.R.C.P., M.R.A.C.P. (Medicine).
BARDEN, R. G., B.SC., B.E., PH.D., A.M.I.MECH.E., A.M.I.E.AUST. (Engineering).
BOLTON, H. C., B.SC., PH.D. (Physics).
BORNSTEIN, J., D.SC., M.D., B.S., F.R.A.C.P. (Biochemistry).
BROWN, R. D., PH.D., M.SC. (Chemistry).
COCHRANE, D., PH.D., B.COM. (Economics).
DAVIS, S. R., PH.D., LL.B. (Politics).
DUDLEY, H. A. F., CH.M., F.R.C.S.E. (Surgery).
HUDSON, B., M.D., B.S., PH.D., M.R.C.P., F.R.A.C.P. (Medicine).
HUNT, K. H., M.A., M.MECH.E., A.M.I.MECH.E., A.M.I.E.AUST. (Engineering).
JOHNSON, B. L. C., PH.D., M.A. (Geography).
LAMPARD, D. G., M.SC., PH.D. (Engineering).
LAUFER, R. M. A., L. ès L., AGRÉGÉ DE L'UNIVERSITÉ (Modern Languages).
LEGGE, J. D., D.PHIL., M.A. (History).
[illegible]RMION, B. P., M.D., B.S., M.R.C.S., L.R.C.P. (Microbiology).

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MARSHALL, A. J., D.PHIL., D.SC., B.SC. (Zoology and Comparative Physiology).
MCINTYRE, A. K., M.B., B.S., D.SC. (Physiology).
MONRO, D. H., M.A. (Philosophy).
NAIRN, R. C., M.D., CH.B., PH.D. (Pathology).
SCHOFIELD, G. C., M.D., CH.B., D.PHIL. (Anatomy).
SCOTT, W. A. G., B.LITT., B.A. (English).
STREET, R., M.SC., PH.D. (Physics).
WESTFOLD, K. C., D.PHIL., M.A., B.SC. (Mathematics).

UNIVERSITY OF NEW ENGLAND

ARMIDALE, N.S.W.

Telephone: Armidale 2231.

Telegraphic Address: University, Armidale.

Founded 1954.

Chancellor and Chairman of the Council: PHILLIP ARUNDELL WRIGHT, C.M.G., D.SC.
Deputy Chancellor: The Rt. Rev. JOHN STOWARD MOYES, C.M.G., M.A., D.LITT., D.D., TH.D.
Vice-Chancellor: R. B. MADGWICK, O.B.E., M.EC., D.LITT., D.PHIL., LL.D.
Registrar: T. C. LAMBLE, B.A.
Librarian: F. H. ROGERS, M.A., F.L.A., F.N.Z.L.A.

Library: *see under* Libraries.
Number of teachers: 344, including 19 professors.
Number of students: 2,452 men, 849 women, total 3,301.
Publications: *Calendar* (annually), *Handbook* (annually), *Bulletin* (irregular), *Nucleus*, Monographs on New England Regional Research (irregular).

DEANS:

Faculty of Arts: H. W. PIPER, M.A., D.LITT.
Faculty of Science: R. H. STOKES, PH.D., D.SC., F.A.A., F.R.I.C., F.R.A.C.I.
Faculty of Rural Science: G. L. MCCLYMONT, B.V.SC., PH.D
Faculty of Agricultural Economics: J. N. LEWIS, B.EC. M.P.A.

PROFESSORS:

BEADLE, N. C. W., D.SC. (Botany).
BELSHAW, J. P., M.A., PH.D. (Economics).
BISHOP, J. H., M.A.(Camb.) (Classics).
BUTLAND, G. J., B.A., PH.D.(Birm.), DIP.ED. (Geography).
COGHLAN, B. L. D., B.A., PH.D.(Birm.) (German).
DAVIES, J. C., B.A.(Syd.), D.U.P., DIP.ED. (French).
FLETCHER, N. A., B.SC., M.A., PH.D., F.I.P., (Physics).
GODDARD, L., M.A., B.PHIL. (Philosophy).
HOWIE, D., M.A., PH.D., DIP.ED., F.B.PS.S. (Psychology).
LEWIS, J. N., B.EC., M.P.A. (Agricultural Economics).
MCCLYMONT, G. L., B.V.SC., PH.D. (Rural Science).
MCGLASHAN, L. R. P., B.A., DR.PHIL., DIP.ED., F.B.PS.S. (Psychology).
O'FARRELL, A. F., B.SC., A.R.C.S., F.R.E.S. (Zoology).
PIPER, H. W., M.A., D.LITT. (English).
RICHARDSON, J. A., M.A., PH.D., DIP.ED., DIP.ED.PSYCH. (Education).
SMITH, R. C. T., B.SC., M.A., D.PHIL. (Mathematics).
SOMERVILLE, J. M., M.A., D.SC., F.I.P. (Physics).
STOKES, R. H., D.SC., PH.D., F.R.I.C., F.A.A., F.R.A.C.I., (Chemistry).
VOISEY, A. H., D.SC. (Geology).
WILLIAMS, C. M., B.A., D.PHIL. (History).

THE UNIVERSITY OF NEW SOUTH WALES

(formerly The New South Wales University of Technology)

POST OFFICE BOX 1, KENSINGTON (SYDNEY), N.S.W.

Telephone: 663,0351.

Founded 1948.

Chancellor: The Hon. JOHN S. J. CLANCY, LL.B., HON. D.LITT.
Deputy Chancellor: Sir ROBERT J. WEBSTER, Kt., C.M.G., C.B.E., M.C., HON. D.SC., F.A.S.A.
Vice-Chancellor: JOHN P. BAXTER, C.M.G., O.B.E., B.SC., PH.D., F.A.A., F.R.A.C.I., A.M.I.CHEM.E., M.I.E.(AUST.).
Pro-Vice-Chancellors: RUPERT H. MYERS, M.SC., PH.D., F.I.M., F.R.A.C.I., M.AUST.I.M.M.; JOHN F. CLARK, M.A., B.SC., DIP.ED., PH.D.
Registrar: GODFREY L. MACAULEY, B.EC.
Bursar: JOSEPH O. A. BOURKE, B.A.
Librarian: JOHN W. METCALFE, B.A., F.L.A.

Number of teachers: 53 professors, 69 associate professors, 501 senior lecturers and lecturers.
Number of students: 9,560.

Publications: *Calendar* (annual), *Research Report* (annual), *Technology, University News, Approach to Chemistry* (annual summer school publication), *Faculty Handbooks* (annual).

DEANS:

Faculty of Science: Prof. B. J. F. RALPH.
Faculty of Architecture: Prof. J. M. FREELAND.
Faculty of Engineering: Prof. A. H. WILLIS.
Faculty of Applied Science: Prof. M. CHAIKIN.
Faculty of Arts: Prof. M. S. BROWN.
Faculty of Commerce: Prof. E. B. SMYTH.
Faculty of Medicine: Prof. F. F. RUNDLE.

PROFESSORS;

ALLEN, J. A., M.SC., PH.D., F.R.A.C.I. (Chemistry).
ANGYAL, S. J., M.SC., PH.D., F.A.A., F.R.A.C.I. (Organic Chemistry).
AUCHMUTY, J. J., M.A., PH.D., M.R.I.A., F.R.HIST.S., F.I.A.L. (History).
AYSCOUGH, F. W., B.SC., M.SC., M.I.CHEM.E., A.R.I.C., A.R.A.C.I. (Chemical Technology).
BEVERIDGE, J., M.B., B.S., M.R.A.C.P. (Pediatrics).
BLACKET, R. B., M.D., B.S., F.R.A.C.P., M.R.C.P. (Medicine).
BLATT, J. M., B.A., PH.D., F.A.P.S. (Applied Mathematics).
BLUNDEN, W. R., B.SC., B.E., A.M.I.E.AUST., A.INST.P., A.M.I.T.E.(U.S.A.), M.I.T.(Lond.) (Traffic Engineering).
BLUNT, M. J., M.B., B.S., PH.D., L.M.S.S.A. (Anatomy).
BOSSON, G., M.SC. (Mathematics).
BOWLES, J. S., M.SC., F.I.M. (Research Physical Metallurgy).
BROWN, M. S., M.A., DIP.ED., PH.D. (Sociology).
BRYANT, R. A. A., M.E., A.S.T.C., A.M.I.E.AUST., A.M.I.MECH.E., A.F.R.AE.S. (Mechanical Engineering—Nuffield Research Professor).
CAREY, H. M., M.B., B.S., M.SC., F.R.C.S., F.R.A.C.S., F.R.C.O.G. (Obstetrics and Gynaecology).
CHAIKIN, M., B.SC., PH.D., DIP.ENG., F.T.I. (Textile Technology).
CLARK, J. F., M.A., B.SC., DIP.ED., PH.D. (Applied Psychology).
FOWLER, R. T., B.SC., PH.D., D.SC.ENG., A.R.I.C., M.I.CHEM.E., M.INST.E., A.I.M. (Chemical Engineering).
FREELAND, J. M., M.ARCH., D.T.R.P., A.R.A.I.A. (Architecture).
GRAY, C. A. M., B.SC., M.E., A.M.I.C.E., A.M.I.E.AUST. (Engineering).
GRIFFITH, J. R., M.A., B.LITT., F.H.A. (Hospital Administration).
HALL, E. O., M.SC., PH.D., F.INST.P., F.I.M., M.A.I.M.M. (Metallurgy).
HUNTER, A., M.A. (Economics).
KEMP, M. C., B.COM., M.A., PH.D. (Economics).
KETTLEBOROUGH, C. F., B.E., PH.D., A.M.I.MECH.E. (Mechanical Engineering).
KILOH, L. G., M.D., B.S., B.SC., M.R.C.S., M.R.C.P., L.R.C.P., D.P.M. (Psychiatry).
KORNER, P. I., M.D., B.S., M.SC. (Physiology).
MELLOR, D. P., D.SC., F.R.A.C.I. (Inorganic Chemistry).
MILNER, C. J., M.A., PH.D., F.INST.P. (Applied Physics).
MORGAN, J. P., B.E., F.S.A.S.M., A.S.T.C., M.AUS.I.M.M., M.I.E.AUST., (Mining Engineering).
MUIR, H., B.MET.E., SC.D., A.I.M., A.M.AUS.I.M.M. (Physical Metallurgy).
MUNRO, C. H., B.E., F.R.S.A., F.R.S.H., M.I.E.AUST. (Civil Engineering).
MYERS, R. H., M.SC., PH.D., F.I.M., F.R.A.C.I., M.AUS.I.M.M. (Metallurgy).
MCMAHON, P. R., M.AGR.SC., PH.D., A.R.I.C., A.R.A.C.I. (Wool Technology).
OLIVER, H. J., M.A. (English).

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ORCHARD, D. F., B.SC., PH.D., D.I.C., A.C.G.I., M.I.E.AUST., M.INST.T., A.M.I.C.E., A.M.I.STRUC.E., A.M.I.MUN.E., (Highway Engineering).
RALPH, B. J. F., B.SC., PH.D., F.R.A.C.I. (Biochemsitry).
ROBINSON, JUDITH O., B.A., M.A., D.DE l'U. (French).
RUNDLE, F. F., M.D., B.S., B.SC., F.R.C.S., F.R.A.C.S., F.A.C.S., (Surgery).
SALMON, J. H., M.A., M.LITT. (History).
SALTON, M. R. J., B.SC.AGR., PH.D. (Microbiology).
SHAW, F. S., B.E., B.SC., D.ENG. (Civil Engineering).
SMYTH, E. B., A.S.T.C., F.A.S.A., F.C.A.A., A.C.I.S. (Accountancy).
SPEEDY, C. B., B.E., PH.D. (Electrical Engineering).
SZEKERES, G., DIP.CHEM.ENG., F.A.A. (Pure Mathematics).
THOMPSON, J. J., B.E., PH.D. (Nuclear Engineering).
THORNTON, J. B., B.A., B.SC. (Philosophy).
TOWNDROW, F. E. A., F.R.I.B.A., F.R.A.I.A., F.A.P.I. (Architecture).
VOWELS, R. E., M.E., M.AM.I.E.E., A.M.I.E.AUST., A.M.I.E.E. (Electrical Engineering).
WILHELM, D. L., M.D., B.S., PH.D., M.C.P.A. (Pathology).
WILLIS, A. H., B.SC.(ENG.), PH.D., M.I.MECH.E., A.M.I.E.AUST., WH.SC. (Mechanical Engineering).
WILLS, N. R., B.EC., M.SC., F.R.G.S. (Business Administration).

ASSOCIATE COLLEGES:

Newcastle University College: Newcastle, N.S.W.; f. 1951.

Warden: Prof. J. J. AUCHMUTY, M.A., PH.D. (DUB.), M.R.I.A., F.R.HIST.S., F.I.A.L.
Registrar: J. F. FOLEY, B.EC.
Librarian: E. FLOWERS, M.A.

Number of teachers: 111.
Number of students: 1,239.

Publications: Annual *Handbook*, and *Annual Report on Publications and Research Interests.*

HEADS OF DIVISIONS:

Applied Science: Prof. E. O. HALL, M.SC.(N.A.), PH.D. (CANTAB.), F.INST.P., M.A.I.M.M., F.I.M.
Arts: Assoc. Prof. B. NEWTON JOHN, M.A.(CANTAB.).
Commerce: Assoc. Prof. W. P. HOGAN, M.A.(N.Z.) PH.D. (A.N.U.).
Engineering: Assoc. Prof. E. M. GOODGER, M.SC.(ENG.), PH.D.(LOND.), A.M.I.MECH.E., A.F.R.AE.S., F.INST.PET.
Science: Prof. J. A. ALLEN, M.SC.(QLD.), PH.D.(BRISTOL), F.R.A.C.I.

Wollongong University College: Wollongong, N.S.W.; f. 1961.

Warden: Prof. C. A. M. GRAY, B.SC., M.E., A.M.I.C.E., A.M.I.E.AUST.

Number of teachers: 25.
Number of students: 298.

UNIVERSITY OF QUEENSLAND

ST. LUCIA, BRISBANE

Telephone: Brisbane 70-2021.

Telegraphic Address: University, Brisbane.

Founded 1909.

Chancellor: Sir ALBERT AXON, K.B.E., M.E., D.ENG., M.I.E.AUST.
Deputy Chancellor: HERBERT GEORGE WATKIN, B.A., DIP.ED., LL.D.
Vice-Chancellor: Prof. Sir FRED SCHONELL, M.A., PH.D., D.LITT., F.B.PS.S., F.A.C.E.
Registrar: CYRIL JOHN CONNELL, B.COM., F.A.S., F.C.A.A., A.A.U.Q., A.C.I.S.
Librarian: (Vacant).

Library: *see* Libraries.

Number of teachers: 621 full-time, including 45 professors.
Number of students: 11,182.

Publications: *University Calendar*, Faculty handbooks, *Matriculation Manual, Research Report, Statistics, The University and Its Courses, Occupational Surveys*, (No. 1, Dentistry; No. 2, Veterinary Science), *University of Queensland Gazette, University of Queensland Papers, Australian Journal of Politics and History, University of Queensland Law Journal, The Slow Learning Child* (journal).

AFFILIATED RESIDENTIAL COLLEGES:

Emmanuel College.
St. John's College.
King's College.
The Women's College.
St. Leo's College.
Duchesne College.
Union College.
Cromwell College.

DEANS:

Faculty of Agriculture: P. J. SKEARMAN, D.AGR.SC., B.A.
Faculty of Architecture: ROBERT PERCY CUMMINGS, F.R.I.B.A., F.R.A.I.A., A.A.DIP., B.ARCH., M.A.P.I.
Faculty of Arts: ARTHUR CLARE CAWLEY, M.A., PH.D.
Faculty of Commerce and Economics: J. K. GIFFORD, M.A.
Faculty of Dentistry: J. A. SAGAR, D.D.S., B.D.SC.
Faculty of Education: GEORGE WILLIAM BASSETT, M.A., DIP.ED., PH.D., F.A.C.E.
Faculty of Engineering: JOHN HARDIE LAVERY, B.SC., M.E., A.M.I.C.E., M.I.E.AUST.
Faculty of Law: WALTER NORWOOD L. HARRISON, B.A., LL.M.
Faculty of Medicine: DOUGLAS GORDON, M.B., B.S.
Faculty of Science: HUGH COLIN WEBSTER, C.M.G., D.SC., PH.D., F.INST.P.
Faculty of Veterinary Science: JOHN FREDERICK ADRIAN SPRENT, D.SC., PH.D., F.R.C.V.S.

PROFESSORS;

BASSETT, GEORGE W., DIP.ED., PH.D., F.A.C.E. (Education).
BUDTZ-OLSEN, OTTO EGEDE, M.D. (General Physiology).
BURNETT, WILLIAM, M.B., CH.M. (Surgery).
CANNY, ALAN J., B.SC., M.B., B.S., F.R.A.C.P. (Pathology).
CAWLEY, ARTHUR C., M.A., PH.D. (English Language and Literature).
COOPER, CHARLES G., M.A. (Classics).
CUMMINGS, ROBERT P., F.R.I.B.A., F.R.A.I.A., A.A.DIP., B.ARCH., M.A.P.I. (Architecture).
DAVIES, G. N., D.D.S. (Dentistry).
DAVIS, CLIVE S., D.F.C., M.SC., PH.D. (Mathematics).
DOWLING, DESMOND F., B.V.SC., B.SC., PH.D. (Animal Husbandry).
FRANCIS, JOHN, D.SC., F.R.C.V.S. (Veterinary Preventive Medicine).
GIFFORD, JOHN K., M.A. (Economics).
GORDON, DOUGLAS, M.B., B.S. (Social and Preventive Medicine).
GREENWOOD, GORDON, M.A., PH.D. (History).
GREENWOOD, RICHARD H., M.A., F.R.G.S. (Geography).
HARRISON, WALTER N. L., B.A., LL.M. (Law).
HAWKER, ROSS W., M.D., B.S., PH.D., M.R.A.C.P. (Physiology).
HERBERT, DESMOND A., D.SC. (Botany).
HICKEY, MICHAEL F., M.A., M.B., B.S. (Anatomy).
HILL, DOROTHY, PH.D., D.SC., F.A.A., F.G.S. (Geology Research).
HINES, H. J., B.SC. (Biochemistry).
JONES, THOMAS G. H., C.B.E., D.SC., LL.D., F.R.A.C.I., F.C.S. (Chemistry).
LAHEY, FRANCIS N., D.SC., F.R.A.C.I. (Chemistry Research).
LAVERY, JOHN H., B.SC., M.E., A.M.I.C.E., M.I.E.AUST. (Civil Engineering).
LYONS, L. E., B.A., M.SC., PH.D. (Physical Chemistry).
MCELWAIN, DONALD W., M.A., PH.D., F.B.PS.S. (Psychology).
MAHONEY, JAMES C., M.A., B.LITT. (French).
MAHONEY, JOHN JOSEPH, B.A., B.SC., PH.D. (Applied Mathematics).
PRENTICE, SYDNEY A., M.E.E., B.SC., M.I.E.AUST., M.I.E.E. (Electrical Engineering).
PRESLEY, CHARLES F., B.A., B.LITT. (Philosophy).
RENDLE-SHORT, THOMAS JOHN, M.A., M.D., B.CHIR., M.R.C.P., D.C.H. (Child Health).
SHAW, MANSERGH, M.ENG., M.MECH.E., M.I.E.AUST. (Mechanical Engineering).
SHEDDON-ADAM, GEOFREY W., M.B., B.S., F.R.C.S., F.R.C.O.G. (Obstetrics). (Half Time).

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SKERMAN, VICTOR BRUCE D., B.AGR.SC., D.SC., Q.D.A. (Microbiology).
SPRENT, JOHN F. A., D.SC., PH.D., F.R.C.V.S. (Veterinary Parasitology).
STEPHENSON, WILLIAM, B.SC., PH.D. (Zoology).
SYKES, EDWARD IRVING, B.A., LL.D. (Public Law).
THOMSON, ANDREW K., M.A. (English).
TYRER, JOHN WILLIAM HOWARD, B.S., M.D., F.R.A.C.P., M.R.C.P. (Medicine).
WEBB, EDWIN CLIFFORD, M.A., PH.D. (Biochemistry).
WEBSTER, HUGH C., C.M.G., D.SC., PH.D, F.INST.P. (Physics).
WHITE, FRANK T. M., B.MET.E., M.I.M.M., M.I.MIN.E., M.AUS.I.M.M, F.I.M. (Mining and Metallurgical Engineering).
WILSON, ALLAN F., D.SC., F.G.A.A., M.AUS.I.M.M., F.G.S. (Geology).

University College of Townsville

(*within the University of Queensland*) P.O. Box 499, Fulham Road, Townsville, Queensland.

Telephone: Townsville 9–2193.

Warden: Dr. K. J. C. BACK.
Administrative Officer: J. W. MARSHALL.

Number of teachers: 37.
Number of students: 310.

Tuition began in 1961 with first-year classes in Arts, Science, Engineering and Applied Science, Medicine, Pharmacy, Agricultural and Veterinary Science.

UNIVERSITY OF SYDNEY

SYDNEY, N.S.W.

Telephone: 68–0522.

Telegraphic Address: Univsyd, Sydney.

Founded 1850.

Chancellor: Lt.-Col. Sir CHARLES BLACKBURN, K.C.M.G., O.B.E., B.A., M.D., CH.M., HON. D.SC., HON. D.LITT., HON. LL.D., HON. F.R.C.P.E., F.R.C.P., F.R.A.C.P., F.R.S.M.
Deputy Chancellor: Major-Gen. I. N. DOUGHERTY, C.B.E., D.S.O., E.D., B.EC.
Vice-Chancellor and Principal: Prof. (Emeritus) S. H. ROBERTS, C.M.G., M.A., LITT.D., D.SC.(ECON.), LL.D., D.C.L., D.LITT.
Deputy Vice-Chancellor: ALEXANDER G. MITCHELL, PH.D., M.A.
Assistant Principal: W. H. MAZE, M.SC.
Registrar: MARGARET A. TELFER, M.B.E., B.A., DIP.ED.

Library: *see under* Libraries.

Number of teachers: 849 (full-time), including 89 professors.

Number of students: 14,612.

Publications: Calendar, Gazette, Examination Papers, Handbooks of Faculties of Arts, Science, Dentistry, Medicine, Engineering and Economics and of Department of Town and Country Planning, Prospectuses of Departments of Music, Social Work and Tutorial Classes and of School of Divinity, and Extension Board, *Research and Scholarship, Union Recorder, Current Affairs Bulletin, Oceania, Sydney Law Review, Nucleus, Bulletin of the Postgraduate Committee in Medicine, Australian Journal of Education, Publications of the School of Physics* 1954–61, *Australian Journal of Social Issues, Biblical and Semitic Booklist, The University of Sydney: a Description.*

DEANS:

Faculty of Agriculture: J. R. A. MCMILLAN, M.S., D.SC.AGR.
Faculty of Architecture: H. I. ASHWORTH, O.B.E., M.A., B.ARCH., M.A.P.I., F.R.I.B.A., F.R.A.I.A.
Faculty of Arts: J. M. WARD, M.A., LL.B.
Faculty of Dentistry: A. J. ARNOTT, D.D.SC., F.D.S.R.C.S., F.A.C.D., F.I.C.D.
Faculty of Economics: S. J. BUTLIN, M.A., LITT.D., B.EC.
Faculty of Engineering: W. H. WITTRICK, M.A., PH.D., F.R.AE.S., A.F.I.A.S., F.A.A.
Faculty of Law: K. O. SHATWELL, M.A., B.C.L.
Faculty of Medicine: F. R. MAGAREY, M.D., B.S., M.R.C.P., F.R.A.C.P., M.C.P.A.
Faculty of Science: T. G. ROOM, SC.D., F.R.S., F.A.A.
Faculty of Veterinary Science: D. MCFARLANE, B.SC., M.R.C.V.S.

PROFESSORS:

ALEXANDER, A. E., M.A., SC.D., PH.D., F.R.A.C.I., F.A.A. (Physical Chemistry).
ARNOTT, A. J., D.D.SC., F.D.S.R.C.S., F.A.C.D., F.I.C.D. (Dentistry).
ASHWORTH, H. I., O.B.E., M.A., B.ARCH., F.R.I.B.A., F.R.A.I.A., M.A.P.I. (Architecture).
BENJAFIELD, D. G., D.PHIL., LL.B. (Law).
BENNETT, J. M., PH.D., B.SC., B.E. (Electronic Computing).
BIRCH. L. C., D.SC., B.AGR.SC., F.A.A. (Zoology).
BISHOP, P. O., M.B., B.S. (Physiology).
BLACKBURN, C. R. B., M.D., B.S., F.R.C.P., F.R.A.C.P. (Medicine).
BULLEN, K. E., M.A., SC.D., PH.D. F.R.S., Hon. M.A.A.S.., F.A.A., (Applied Mathematics).
BUTLER, S. T., D.SC., PH.D., M.SC. (Physics: Theoretical).
BUTLIN, S. J., M.A., LITT.D., B.EC. (Economics).
CARNE, H. R., D.V.SC. (Veterinary Pathology and Bacteriology).
CHAMBERS, R. J., B.EC., A.A.S.A., A.C.I.S., A.C.A.A. (Accounting).
CHRISTIANSEN, W. N., D.SC., F.INST.P., M.I.E.E., F.A.A. (Electrical Engineering).
CLELAND, K. W., M.B., B.S., F.R.M.S. (Histology and Embryology).
CONNELL, W. F., PH.D. M.A., M.ED. (Education).
COWAN, H. J., PH.D., M.SC., A.M.I.STRUCT.E., M.A.S.C.E., M.R.S.H., M.I.E.AUST. (Architectural Science).
CROCKER, R. L., D.SC. (Botany).
DAVIS, A. R., M.A. (Oriental Studies).
DE BURGH, P. M., M.B., B.S. (Bacteriology).
DUNSTON, A. J., M.A. (Latin).
DURY, G. H., M.A., PH.D., F.G.S. (Geography).
EMMENS, C. W., D.SC., PH.D., F.S.S., F.A.A. (Veterinary Physiology).
FARREL, R. B., M.A., DR.PHIL. (German).
FINK, P. T., B.E., M.I.A.S., F.R.AE.S. (Mechanical Engineering).
FORD, Sir EDWARD, O.B.E., M.D., B.S., D.P.H., D.T.M., F.Z.S., F.R.S.H., F.R.C.P., F.R.A.C.P. (Preventive Medicine).
GEDDES, W. R., M.A., PH.D. (Social Anthropology).
GRAHAM, C. H., D.D.S., M.D.S. (Prosthetic Dentistry).
HENNING, I. A., B.A., D.U.P. (French).
HUNTER, T. G., D.SC., PH.D., M.I.CHEM.E., F.INST.PET., F.R.A.C.I. (Chemical Engineering).
LANCASTER, H. O., B.A., PH.D., M.B., B.S., F.A.A. (Mathematical Statistics).
LE FEVRE, R. J. W., D.SC., PH.D., F.R.I.C., F.R.S., F.R.A.C.I., F.A.A. (Chemistry).
LOEWENTHAL, J., M.B., M.S., F.R.C.S., F.A.C.S., F.R.A.C.S. (Surgery).
LYELL, J. S., M.D.S., F.A.C.D. (Operative Dentistry).
MCFARLANE, D., B.SC., M.R.C.V.S. (Veterinary Medicine).
MACINTOSH, N. W. G., M.B., B.S., DIP.ANTH. (Anatomy).
MACKIE, J. L., M.A. (Philosophy).
MCCUSKER, C.B.S., M.SC. (Physics: High Energy Nuclear).
MCMANNERS, J., M.A., DIP.THEOL., D.P.M., (History).
MCMILLAN, J. R. A., M.S., D.SC.AGR. (Agriculture).
MADDISON, D. C., M.B., B.S., D.P.A., M.R.C.P. (Psychiatry).
MAGAREY, F. R., M.D., B.S., M.R.C.P., F.R.A.C.P., M.C.P.A. (Pathology).
MARSHALL, C. E., D.SC., PH.D., F.G.S., M.I.MIN.E. (Geology).
MARTIN, N. D., M.D.S., F.A.C.D., F.I.C.D. (Preventive Dentistry).
MAYES, B. T., M.V.O., M.B., B.S., F.R.C.S.E., F.R.A.C.S., F.R.C.O.G. (Obstetrics).
MESSEL, H., B.A., PH.D., B.SC. (Physics).
MORISON, W. L., D.PHIL., B.A., LL.B. (Law).
O'NEIL, W. M., M.A., DIP.ED. (Psychology).
PARSONS, R. W., B.A., LL.B. (Law).
PEART, D. R., M.A., B.MUS., F.R.C.M. (Music).
ROBINSON, T. J., PH.D., M.SC.(AGRIC.) (Animal Husbandry).
RODERICK, J. W., M.A., PH.D., M.SC., F.A.A., M.I.STRUCT.E., M.I.C.E., A.F.R.AE.S., M.I.E.AUST. (Civil Engineering).
ROOM, T. G., SC.D., F.R.S., F.A.A. (Pure Mathematics).
RUSSELL, G. H., M.A., PH.D. (Early English Literature and Language).
SHATWELL, K. O., M.A., B.C.L. (Law).

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SHIPP, G. P., M.A., D.LITT. (Greek).
SHOPPEE, C. W., D.SC., PH.D., DR.PHIL., F.R.I.C., F.R.A.C.I., F.R.S., F.A.A. (Organic Chemistry).
SPANN, R. N., M.A. (Government and Public Administration).
STAPLETON, T., M.A., D.M., B.CH., D.C.H., M.R.C.P. (Child Health).
STILL, J. L., PH.D., B.SC. (Biochemistry).
STONE, J., B.A., D.C.L., LL.M., S.J.D. (International Law and Jurisprudence).
STOUT, A. K., M.A. (Philosophy).
TAYLOR, M. G., M.D., B.S., PH.D. (Physiology).
THORP, R. H., PH.D., B.SC. (Pharmacology).
WARD, J. M., M.A., LL.B. (History).
WATSON-MUNRO, C. N., O.B.E., M.SC., A.M.I.E.E., F.INST.P., A.F.I.A.S. (Physics: Thermo Nuclear).
WINSTON, D., A.M., B.ARCH., F.R.I.B.A., M.T.P.I., F.I.L.A., F.A.P.I. (Town and Country Planning).
WITTRICK, W. H., M.A., PH.D., F.A.A., F.R.AE.S., A.F.I.A.S. (Aeronautical Engineering).
WRIGHT, S. E., PH.D., M.SC., DIP.PHARM., A.R.I.C. (Pharmaceutical Chemistry).
(Vacant—English Literature, Middle Eastern Archæology, Psychiatry).

Research Professor:

CAMPBELL, K. O., A.M., PH.D., M.P.A., B.SC.AGR. (Agricultural Economics).

UNIVERSITY OF TASMANIA

HOBART

Telephone: Hobart 2-7741.
Telegraphic Address: University, Hobart.
Founded 1890.

Chancellor: Sir HENRY SEYMOUR BAKER, K.C.M.G., D.S.O., LL.M.

Vice-Chancellor: KEITH SYDNEY ISLES, B.COM., M.A., M.SC.

Registrar: ALLAN PRESHAW, B.A., F.C.I.S.

Librarian: D. H. BORCHARDT, M.A., DIP.N.Z.LIB.SCH., A.L.A.

Number of teachers: 114, including 22 professors.
Number of students: 1,600.

Publications: *Calendar* (annual), *Matriculation Manual* (annual), *Law Review* (annually), *Research Report* (annually), *Gazette* (quarterly).

DEANS:

Faculty of Arts: I. H. SMITH, B.A., D.U.P.
Faculty of Education: C. D. HARDIE, M.A.
Faculty of Law: N. O. H. DUNBAR.
Faculty of Science: A. M. CLARK, M.SC., PH.D.
Faculty of Engineering: G. H. NEWSTEAD, M.E.E., A.M.I.E. (AUST.).
Faculty of Commerce: G. G. FIRTH, B.SC.(ECON.).

PROFESSORS:

Faculty of Agriculture

WADE, G. C., M.AGR.SC., D.SC.

Faculty of Arts

CARDNO, JAMES, M.A. (Psychology).
ELLIOTT, JOHN, M.A., DIP.CLASS.ARCH. (Classics).
MCAULEY, JAMES, M.A. (English).
PIKE, D., M.A., D.LITT. (History).
SMITH, IAN H., B.A., D.U.P. (Modern Languages).
TOWNSLEY, W. A., M.A., DIP.ED. (Political Science).
(Vacant—Philosophy.)

Faculty of Education:

HARDIE, CHARLES, M.A. (Education).

Faculty of Law

DUNBAR, N. C. H., LL.M., J.S.D.(Law).

Faculty of Science

BARBER, HORACE, M.A., PH.D. (Botany).
BLOOM, H., M.SC., PH.D., F.N.Z.I.O. (Chemistry).
CAREY, SAMUEL, D.SC.M. (AUST.), I.M.M., M.A.A.P.G. (Geology).
CLARK, A. M., M.SC., PH.D. (Zoology).
GODDARD, L. S., B.SC., PH.D. (Mathematics).
ELLIS, G. R. A., B.SC., PH.D. (Physics).
PITMAN, EDWIN, M.A., B.SC. (Mathematics).
POLYA, J. B., DIP.ING.CHEM., D.SC.TECH., D.SC., F.R.A.C.I., F.R.I.C.

Faculty of Engineering

NEWSTEAD, G. H., M.E.E., A.M.I.E. (AUST.) (Electrical Engineering).
OLIVER, A. R., M.E., F.S.A.S.M., A.M.I.E. (AUST.) (Civil Engineering).

Faculty of Commerce

FIRTH, GERALD, B.SC. (ECON.) (Economics).
GRANT, J. McB., M.EC., DIP.EC., A.A.S.A. (Applied Economics).

UNIVERSITY OF WESTERN AUSTRALIA

PERTH

Telephone: 86.2481.

Founded 1911.

Visitor: His Excellency the Governor, Sir CHARLES GAIRDNER, K.C.M.G., K.C.V.O., K.B.E., C.B., HON. D.LITT.

Chancellor: Sir ALEXANDER J. REID, C.M.G., I.S.O., J.P., B.A., F.A.S.A., HON.LL.D.

Pro-Chancellor: THOMAS L. ROBERTSON, M.A., DIP.ED., PH.D., F.A.C.E.

Vice-Chancellor: STANLEY L. PRESCOTT, O.B.E., M.SC.

Deputy Vice-Chancellor: C. J. BIRKETT CLEWS, B.SC., PH.D., F.INST.P., F.A.I.P.

Registrar: ARTHUR J. WILLIAMS, B.A., DIP.ED.

Number of professors: 35.
Number of students: 4,085.
Publications: *Calendar, Handbook, Gazette.*

DEANS:

Faculty of Arts: Prof. F. ALEXANDER.
Faculty of Law: Prof. F. R. BEASLEY.
Faculty of Education: Prof. C. SANDERS.
Faculty of Economics and Commerce: Prof. I. BOWEN.
Faculty of Science: Dr. E. P. HODGKIN.
Faculty of Engineering: Prof. K. L. COOPER.
Faculty of Agriculture: Prof. E. J. UNDERWOOD.
Faculty of Dental Science: Prof. K. J. G. SUTHERLAND.
Faculty of Medicine: Prof. G. KING.

PROFESSORS:

ALEXANDER, F., M.A. (History).
ALLEN-WILLIAMS, D. J. F., M.A., PH.D. (Mechanical Engineering).
AUSTIN, M. N., M.A., B.D. (Classics, Ancient History).
BAYLISS, N. S., C.B.E., B.A., B.SC., PH.D. (Physical Chemistry).
BEASLEY, F. R., B.A., LL.B. (Law).
BERNDT, R. M., M.A., DIP.ANTH., PH.D. (Anthropology).
BILLINGS, A. R., B.SC., PH.D. (Electrical Engineering).
BLAKERS, A. L., M.A., PH.D. (Mathematics).
BOWEN, I., M.A. (Economics).
BOYLE, A. J. F., B.SC., PH.D. (Physics).
CALLAWAY, F., MUS.B. (Music).
COOPER, K. L., M.A., B.SC. (Civil Engineering).
EDWARDS, A., M.A. (English).
GRAVE, S. A., M.A., PH.D. (Philosophy).
GRIEVE, B. J., M.SC., PH.D., D.I.C., F.L.S. (Botany).

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KING, GORDON, O.B.E., F.R.C.S., F.R.C.O.G. (Obstetrics and Gynæcology).
LAWLER, J. R., M.A., D. DE L'U. (French).
LEVEY, H. C., B.SC., M.A., PH.D. (Applied Mathematics).
LEWIS, C. W. D., M.B., M.S., F.R.C.S. (Surgery).
LUGG, J. W. H., D.SC., D.I.C., PH.D. (Biochemistry).
MACDONALD, W. B., M.D., M.R.A.C.P. (Child Health).
PRIDER, R. T., B.SC., PH.D. (Geology).
QUIRK, J. P., B.SC.AGRIC., PH.D. (Soil Science).
SAINT, E. G., B.SC., M.D., M.R.A.C.P. (Medicine).
SANDERS, C., PH.D., M.A., DIP.ED., F.B.PS.S. (Education).
SIMMONDS, W. J., B.SC., M.B., B.S., D.PHIL. (Physiology).
SINCLAIR, D., M.A., M.D. (Anatomy).
STANLEY, N. F., D.SC. (Microbiology).
STEPHENSON, GORDON, M.C.P., B.ARCH., F.R.A.I.A., F.R.I.B.A., M.T.P.I. (Consultant Architect).
SUTHERLAND, K. J. G., B.D.SC., M.B., B.S. (Dental Science).
TEN SELDAM, R. E. J., M.D. (Pathology).
UNDERWOOD, E. J., B.SC. (AGRIC.), PH.D. (Agriculture).
WALKER, K. F., M.A., PH.D. (Psychology).
WARING, H., M.SC., D.SC. (Zoology).
WHITE, D. E., M.SC., D.PHIL. (Organic Chemistry).

SCHOOLS OF ART AND MUSIC

ART

National Gallery of Art, School of Art: Melbourne, Victoria.

National Art School: East Sydney Technical College, Sydney, N.S.W.; Principal of College J. F. PROVOST.

School of Art: Royal Melbourne Institute of Technology, 124 Latrobe Street, Melbourne, C.1; 33 full-time teachers; Head of School of Art V. E. GREENHALGH.

MUSIC

Elder Conservatorium of Music: University of Adelaide, Adelaide; Dir. J. BISHOP, O.B.E., F.R.C.M.

N.S.W. State Conservatorium of Music: Sydney, N.S.W.

University Conservatorium of Music: University of Melbourne, Parkville, N.2, Victoria; Dr. G. F. LOUGHLIN, M.A., D.MUS., (Dunelm), F.R.C.M., F.R.C.O.

There are Schools of Music in the other State capitals.

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AUSTRIA

Population 7,073,807

LEARNED SOCIETIES AND RESEARCH INSTITUTES

General

Österreichische Akademie der Wissenschaften (*Austrian Academy of Science*): Vienna I, Ignaz Seipelplatz 2; f. 1847; 295 mems.; publs. *Almanach, Anzeiger math.-nat. Klasse, Anzeiger phil.-hist. Klasse, Sitzungsberichte math.-nat. Klasse Abt. I, II, Sitzungsberichte phil.-hist Klasse, Denkschriften der Gesamtakademie, Denkschriften math.-nat. Klasse, Denkschriften phil.-hist. Klasse, Monatshefte für Chemie*; various committee reports.

President: Prof. Dr. Erich Schmiol.
Vice-President: Prof. Albin Lesky.
General Secretary: Prof. Dr. Fritz Knoll.
Secretary: Prof. Dr. Herbert Hungen.
Library: *see under* "Libraries".

Honorary Members:

Marx, Joseph.
Mell, Max.
Schweitzer, Albert.

Section for Mathematics and Natural Sciences:

Antoine, Tassilo.
Biebl, Richard.
Breitinger, Emil.
Brücke, Franz Theodor.
Chiari, Hermann.
Defant, Albert.
Feifel, Eugen.
Flamm, Ludwig.
Fröhlich, Otto.
Funk, Paul.
Hayek, Erich.
Hayek, Heinrich.
Hlawka, Edmumd.
Höfler, Karl.
Kinzl, Hans.
Klebelsberg-Thumburg, Raimund.
Knoll, Fritz.
Krames, Joseph.
Kratky, Otto.
Kruppa, Erwin.
Kühn, Othmar.
Kühnelt, Wilhelm.
Ledersteger, Karl.
List, Hans.
Machatschki, Felix.
Mayrhofer, Karl.
Melan, Ernst.
Nowotny, Hans.
Oberguggenberger, Viktor
Parkus, Heinz.
Pillat, Arnold.
Przibram, Karl.
Regler, Fritz.
Sander, Bruno.
Scheminzky, Ferdinand.
Schmid, Erich.
Spreitzer, Hans.
Steinböck, Otto.
Steinhauser, Ferdinand.
Stetter, Georg.
Vietoris, Leopold.
Wessely, Fritz.

Section for Philosophy and Historical Sciences:

Antoniolli, Walter.
Bobek, Hans.
Brunner, Karl.
Demelius, Heinrich.
Demus, Otto.
Egger, Rudolf.
Eichler, Fritz.
Enzinger, Moritz.
Fichtenau, Heinrich.
Frauwallner, Erich.
Gerstinger, Hans.
Hanslik, Rudolf.
Hantsch, Hugo.
Havers, Wilhelm.
Heine-Gelden, Robert.
Hunger, Herbert.
Jutz, Leo.
Kainz, Friedrich.
Keil, Josef.
Kindermann, Heinz.
Koppers, Wilhelm.
Koziol, Herbert.
Kraft, Viktor.
Kraus, Walter.
Kronasser, Heinz.
Kuhn, Alwin.
Lentze, Hans.
Lesky, Albin.
Lhotsky, Alphons.
Loehr, August.
Mahr, Alexander.
Meister, Richard.
Mewaldt, Johannes.
Oberparleiter, Karl.
Pittioni, Richard.
Rintelen, Max.
Rittler, Theodor.
Rohracher, Hubert.
Santifaller, Leo.
Schachermeyr, Fritz.
Schenk, Erich.
Schima, Johann.
Schmid, Heinrich Felix.
Schönbauer, Ernst.
Till, Walter.
Verdross, Alfred.
Weidner, Ernst.
Wild, Freidrich.
Zibermayr, Ignaz.

Architecture

Österreichischer Ingenieur- und Architektenverein (*Assen. of Austrian Engineers and Architects*): Vienna I, Eschenbachgasse 9; f. 1848; Pres. Prof. Dr. Oskar Vas, dipl.ing.-dr.techn.; Gen. Sec. Friedrich Smola, dipl.ing.; publs. *Österreichische Ingenieur-Zeitschrift* (fortnightly).

Zentralvereinigung der Architekten Österreichs (*Central Assen. of Austrian Architects*): Vienna I, Salvatorgasse 10; f. 1907; *ca.* 1,000 mems.; Pres. Prof. Eugen Wörle; Sec. Jutta Hubalek.

The Arts

Bundesdenkmalamt: Vienna I, Hofburg; f. 1854; government institute for the protection and restoration of historical, artistic and cultural monuments; has control of excavations and art export; Pres. Prof. Dr. Otto Demus; publs. include periodicals and yearbook.

Gesellschaft bildender Künstler Wiens (*Assen. of Viennese Artists*): Künstlerhaus, Vienna I, Karlsplatz 5; f. 1861; 220 mems.; Pres. Prof. Alfons Riedel; Gen. Sec. Wolfgang Gruedl.

Gesellschaft für Vergleichende Kunstforschung (*Society of Comparative Art Research*): Vienna XIX, Peter Jordanstr. 94; f. 1932; 900 mems.; Chair. Dr. Richard Kurt Donin; publs. *Kunstwissenschaftliche Jahresgabe, Mitteilungen.*

Verein der Freunde Asiatischer Kunst und Kultur in Wien (*Assen. for the Study of Asiatic Art and Culture*): Vienna I, Weiskirchnerstr. 3; f. 1925; Chair. Dr. Ignaz Schlosser; Vice-Chair. Prof. Dr. Fritz Novotny; Sec. Dr. V. Griessmaier; publ. *Wiener Beiträge zur Kunst und Kulturgeschichte Asiens*, Bd I (1925)-Bd XII (1938).

Wiener Secession (*Vienna Secessionist Group*): Vienna I, Friedrichstrasse 12; f. 1897; 150 mems.; Pres. Prof. Paul Meissner.

Geography, Mineralogy, Geology

Geologische Bundesanstalt (*Government Geological Institute*): Vienna III, Rasumofskygasse 23; f. 1849; Dir. Dr. Heinrich Küpper; library.

Österreichische Geographische Gesellschaft (*Geographical Society*): Vienna I, Judenplatz 11; f. 1856; 950 mems.; Pres. Prof. Dr. H. Spreitzer; Sec. Dr. S. Matznetter; library; publs. *Mitteilungen* (three times yearly), *Abhandlungen.*

Österreichische Mineralogische Gesellschaft (*Austrian Mineralogical Assen.*): Vienna I, Burgring 7, Museum of Natural History; f. 1901; Pres. Prof. Dr. Hans Wieseneder; Sec. Prof. Dr. Hubert Scholler.

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"Eranos Vindobonensis": Vienna I, Universitat, Inst. f. Alte Gesch., Arch. u. Epigr.; f. 1885; 100 mems.; Chair. Dr. HERBERT HUNGER; Sec. Dr. ROMAN STIGLITZ.

Geschichtsverein für Kärnten (*Historical Assen. of Carinthia*): Klagenfurt, Museumgasse 2; f. 1844; 1,360 mems.; Dir. Ober. HERMANN BRAUMÜLLER; Sec. Aulic Council Prof. Dr. GOTBERT MORO; publs. *Carinthia* (annually), *Archiv für vaterländ. Geschichte und Topographie, Kärntner heimatkundliche Schriftenreihe, Kärntner Heimatatlas, Kärntner heimatkundliche Schriftenreihe.*

Gesellschaft für die Geschichte des Protestantismus in Österreich (*Assen. for History of Protestantism in Austria*): Vienna I, Liebiggasse 5; f. 1879; 287 mems.; Chair. Prof. Dr. Dr. WILHELM KÜHNERT; publ. *Jahrbuch.*

Heraldisch-Genealogische Gesellschaft "Adler" (*Heraldic and Genealogical Assen.*): Vienna I, Haarhof 4A; f. 1870; 520 mems.; library of 35,000 vols.; Pres. Dr. Count FERDINAND WILCZEK; Sec.-Gen. Dr. HANNS JÄGER-SUNSTENAU; publs. *Jahrbuch, Wappenkalender, Zeitschrift.*

Historische Landeskommission für Steiermark: Graz, Hamerlinggasse 3; f. 1893; 24 mems.; Sec. Dr. OTHMAR PICKL; publs. *Forschungen zur Verfassungs- und Verwaltungsgeschichte der Steiermark, Veröffentlichungen der Historischen Landeskommission, Quellen zur Verfassungs- und Verwaltungsgeschichte.*

Historischer Verein für Steiermark (*Styrian Historical Society*): Graz, Hamerlinggasse 3; f. 1850; 1,070 mems.; Chair. Dr. FERDINAND TREMEL; Sec. JOSEF KRASSLER; publs. *Zeitschrift des Historischen Vereins, Beiträge zur Erforschung Steirischer Geschichtsquellen, Blätter für Heimatkunde.*

Kommission für neuere Geschichte Österreichs (*Commission for modern Austrian history*): Historisches Institut, Universitat, Vienna I; Chair. Prof. HANTSCH HUGO, PH.DR.

Verein für Geschichte der Stadt Wien (*Assen. for the History of the City of Vienna*): Vienna I, Archiv der Stadt Wien Rathaus; f. 1853; 500 mems.; Chair. Dr. ERWIN M. AUER; Sec. Dr. FELIX CZEIKE; publs. *Wiener Geschichtsblätter, Jahrbuch des Vereins für Geschichte der Stadt Wien, Geschichte der Stadt Wien (Neue Reihe).*

Verein für Volkskunde (*Ethnographical Assen.*): Vienna VIII, Laudongasse 15/19; f. 1894; 400 mems.; Pres. Prof. Dr. LEOPOLD SCHMIDT; Sec. Dr. KLAUS BEITL; publ. *Österreichische Zeitschrift für Volkskunde*; also special publications (one vol. since 1955).

International Cultural Institutes

British Council, The: Freyung 1, Vienna I; Rep. C. R. HEWER.

Institut Français: Lobkowitzplatz 2, Vienna; Dir. P. MOISY.

Institut Français: Karl-Kapferetstrasse 3, Innsbruck; Dir. F. LEGER.

Istituto Italiano di Cultura: Ungargasse, 43, Vienna III; Dir. Prof. ANGELO FILIPUZZI.

Istituto Italiano di Cultura: Maria Theresien Strasse, 53/1, Innsbruck; Dir. Prof. ANTONIO STEFANINI.

U.S. Information Center: Opernring 1, Opernringhof, Vienna 1; also at Graz, Linz and Salzburg.

Literature, Bibliography, Philology

Arbeitsgemeinschaft der Altphilologen Österreichs (*Austrian Philology Assen.*): Vienna II, Zirkusgasse 46; f. 1921; Chair. Dr. FRANZ STAUDINGER; Sec. Dr. WILHELM KRAUSE.

Österreichische Exlibris-Gesellschaft (*Austrian Bookplate-collectors' Society*): Vienna IX, Türkenstrasse 17/4; f. 1903; 500 mems.; Chair. Dipl. Ing. HUGO BALZAR; publs. *Jahrbuch, Mitteilungen*, books on the art of the bookplate and bookplate-collecting.

Presseclub Concordia (*Association of Austrian Writers and Journalists*): Vienna I, Bankgasse 8; f. 1859; Pres. Dr. RUDOLF KALMAR.

Wiener Sprachgesellschaft (*Vienna Language Assen.*): Vienna I, Universität, Inst. f. Allgemeine u. Indogerm. Sprachforschung; f. 1947; 140 mems.; Pres. Prof. Dr. H. KRONASSER; Sec. Dr. J. SOFER; publ. *Die Sprache* (annual).

Mathematics, Meteorology

Österreichische Mathematische Gesellschaft (*Austrian Mathematical Society*): Vienna IV, Karlsplatz 13; f. 1904; Sec. Prof. Dr. HANS HORNICH; publ. *International Mathematical News* (three times yearly).

Österreichische Gesellschaft für Meteorologie (*Austrian Meteorological Assoc.*): Vienna XIX, Hohe Warte 38; f. 1865; Pres. Prof. Dr. Ing. B. RAMSAUER; Sec. Dr. W. FRIEDRICH; publ. *Wetter und Leben* (monthly).

Medicine, Psychiatry, Veterinary Science

Ärztegesellschaft Innsbruck (*Medical Assen. of Innsbruck*): Innsbruck, Medizinische Fakultät der Universität; f. 1894; 300 mems.; library of 4,000 vols.; Pres. Prof. Dr. Fr. J. HOLZER; Sec. Dr. H. PATSCHEIDER; publ. *Wiener Klinische Wochenschrift.*

Gesellschaft der Ärzte (*Assen. of Medical Practitioners*): Vienna IX, Frankgasse 8; f. 1837; 940 mems.; 70,700 vols. in library; Pres. Prof. W. DENK; Vice-Pres. Prof. H. CHIARI; Secs. Prof. O. NOVOTNY, Prof. R. OPPOLZER; publ. *Wiener Klinische Wochenschrift.*

Gesellschaft der Chirurgen in Wien (*Society of Surgeons*): Vienna IX, Allgemeines Krankenhaus, Alserstrasse 4; f. 1935; 130 mems.

Gesellschaft für Kinderheilkunde (*Society for Pediatrics*): Vienna IX, Lazarettgasse 14; 208 mems.; Pres. Dr. KARL KUNDRATITZ; Sec. Dr. HERBERT GROSS; publ. *Neüe Österreichische Zeitschrift für Kinderheilkunde.*

Gesellschaft der Tierärzte Österreichische (*Austrian Society of Veterinary Surgeons*): Vienna III, Linke Bahngasse 11; f. 1919, Pres. Prof. Dr. J. SCHREIBER; publ. *Wiener Tierärztliche Monatsschrift* (monthly).

Österreichische Dermatologische Gesellschaft (*Dermatological Assen.*): Vienna IX, Alserstrasse 4, Allgemeines Krankenhaus; Pres. Prof. Dr. A. WIEDMANN; Hon. Pres. Prof. Dr. G. RIEHL; Sec. Dr. J. SÖLTE-SZÖTS.

Österreichische Gesellschaft für Elektroencephalographie (*Austrian EEG-Society*): 14 Lazarettgasse, Vienna IX, Universitätsnervenklinik; f. 1953; Pres. Prof. Dr. HANS HOFF; Sec. Doz. Dr. KURT PATEISKY; publ. *Wiener Zeitschrift für Nervenheilkunde.*

Wiener Verein für Psychiatrie und Neurologie (*Vienna Society for Psychiatry and Neurology*): Vienna IX, Lazarettgasse 14, Universitätsnervenklinik; f. 1868; Pres. Prof. Dr. HANS HOFF; Sec. Doz. Dr. HELLMUT TSCHABITSCHER; publ. *Wiener Zeitschrift fur Nervenheilkunde.*

Wiener Psychoanalytische Vereinigung (*Vienna Psychoanalytical Society*): Vienna I, Rathausstrasse 20; f. 1908, closed during the war, re-opened 1946; 23 mems.; Pres. Doz. Dr. W. SOLMS; Sec. Doz. Dr. L. BOLTERAUER.

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Music

Gesellschaft der Musikfreunde (*Assen. of Music Lovers*): Vienna I, Bösendorferstrasse 12; f. 1812; 3,000 mems.; choir of 400 mems.; 12,860 vols. in library and 53,260, scores; collection of music, MSS., instruments, etc.; f. 1815; Pres. Dr. Alexander Hryntschak; Gen. Sec. Prof. Rudolf Gamsjäger; Sec. B. Heberlein.

Wiener Konzerthausgesellschaft: Vienna III, Lothringerstrasse 20; f. 1913; 2,500 mems.; Pres. Ing. Dr. h.c. Manfred Mautner-Markhof; Gen. Sec. Dr. Egon Seefehlner.

Wiener Männergesangverein (*Vienna Male Choral Society*): Vienna I. Bösendorferstrasse 12; f. 1843; 415 mems.; Dirs. Rudolf Saar, Dr. Heinrich Ehrenberger, Eduard Schlossko; Conductors Norbert Balatsch, Prof. Karl Etti; Sec. Dipl. Ing. Karl Kretschek; publ. *Mitteilungen* (irregular).

Wiener Philharmoniker, Die (*Vienna Philharmonic Society*): Vienna I, Bösendorferstrasse 12; f. 1842; 120 mems.; Pres. Dipl. Ing. Prof. Otto Strasser, Sec. Prof. Helmut Wobisch.

Science

Anthropologische Gesellschaft in Wien (*Vienna Anthropological Society*): Vienna 1, Burgring 7; Natural History Museum; f. 1870; Pres. Univ.-Doz. Dr. Wilhelm Ehgartner; Sec. Dr. Johann Jungwirth; publs. *Mitteilungen, Anthropologische Forschungen, Ethnologische Forschungen, Prähistorische Forschungen.*

Botanisches Institut und Botanischer Garten der Universität Wien (*Botanical Institute and Garden, Vienna University*): Vienna III, Rennweg 14; f. 1754 (Botanischer Garten) and 1844 (Botanisches Institut); Dir. Prof. Dr. Lothar Geitler.

Institute of Nuclear Research: Stadionallee, Vienna; f. 1961; there is a 100 kW. reactor of the TRIGA-Mark II type (Training, Research, Isotope, General Atomic) for the use of the Austrian universities, and a Van de Graaff machine for 2 MV.

Nationalökonomische Gesellschaft (Gesellschaft Österreichischer Volkswirte): Vienna I, Universitat; f. 1929; *circa* 50 mems.; Pres. Prof. Dr. Alexander Mahr.

Naturwissenschaftlicher Verein für Kärnten: Klagenfurt, Museumgasse 2; f. 1848; 800 mems.; Pres. Dr. Franz Kahler; Dir. of Publs. Prof. F. Turnowsky; publs. *Carinthia II* (mit Sonderheften), *Der Karinthin* (Mineralogy, Geology), *Nachrichtenblatt* (Entomology).

Oberösterreichischer Musealverein (*Museums Assen. of Upper Austria*): Linz, Museumstrasse 14; f. 1833; 1,096 mems.; Chair. Dr. Eduard Strassmayr; publ. *Jahrbuch.*

Österreichische Gesellschaft für Photogrammetrie (*Austrian Photogrammetrical Assen.*): Vienna VIII, Friedrich Schmidtplatz 3; f. 1907; 137 mems.; Chair. Prof. Dr. Franz Ackerl; publ. *Österr. Zeitschrift für Vermessungswesen.*

Österreichische Numismatische Gesellschaft (*Austrian Numismatic Society*): Vienna I, Burgring 5; f. 1870; Pres. Dr. Herbert Wenzel; publs. *Numismatische Zeitschrift, Mitteilungen der Österreichischen Numismatischen Gesellschaft.*

Österreichische Studiengesellschaft für Atomenergie Ges. m.b.H.—SGAE (*Austrian Company for Atomic Energy Studies*): Vienna VIII, Lenaugasse 10; f. 1956; the SGAE is a limited company of which the capital is shared by the Austrian Government (51 per cent), State industries (26 per cent) and private enterprises (23 per cent), includes the Seibersdorf Reactor Centre, the 5 MW Pool Tank Type Reactor "Astra", and the Institutes of Physics, Electronics, Chemistry, Metallurgy, Health and Biology, 300 employees; Technical Dir. Dr. Michael J. Higatsberger; Admin. Dir. Dr. Raphael Spann; publs. B-Reports in series SGAE 57, SGAE 58, etc.

Wiener Juristische Gesellschaft (*Vienna Legal Assen.*): Vienna I, Stephansplatz 8A; f. 1867; *circa* 600 mems.; Pres. Dr. Emerich Hunna; Hon. Sec. Dr. Franz Schneider.

Zoologisch-Botanische Gesellschaft in Wien (*Zoological-Botanical Assen.*): Vienna I, Burgring 7, Naturhistorisches Museum; f. 1851; sections for botany, zoology, entomology, ornithology and development of biological instruction; 467 mems.; library of 10,000 vols.; Pres. Prof. Dr. Karl Höfler; Gen. Sec. Prof. Dr. Engelbert Bancher; publ. *Verhandlungen, Abhandlungen, Koleopterologische Rundschau.*

LIBRARIES

Vienna

Administrative Bibliothek im Bundeskanzleramt (*Administrative Library of the Chancellery*): Vienna I, Herrengasse 23; f. 1849; 320,000 vols. on jurisprudence, politics, economics, statutes, etc.; Dir. Hofrat Dr. Maria Matt.

Bibliothek der Akademie der Bildenden Künste (*Library of the Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1773; 48,042 vols. on art and history of art; Dir. Hofrat Prof. Dr. Siegfried Freiberg; publs. *Neuerwerbungen* (twice a year), and catalogues of exhibitions.

Bibliothek der Akademie der Wissenschaften (*Library of the Academy of Science*): Vienna 1, Ignaz Seipelplatz 2; f. 1847; 80,000 vols.; Dir. Dr. Wilfrid Oberhummer.

Bibliothek der Akademie für Musik und darstellende Kunst in Wien (*Library of the Academy for Music and Fine Arts*): Vienna III, Lothringerstr. 18; f. 1909; 53,707 vols., 920 gramophone records; Dir. Hofrat Dr. Alois Strassl (Chief State Librarian).

Bibliothek der Österreischischen Geographischen Gesellschaft (*Library of the Austrian Geographical Society*): Vienna I, Judenplatz 11; 21,000 vols.; Librarian Dr. Erich Woldan.

Bibliothek der Geologischen Bundesanstalt (*Library of the Geological Survey of Austria*): Vienna III, Rasumofskygasse 23; f. 1849; 145,500 vols.; Librarian Susanne Nöbauer; publs. *Verhandlungen* (three times yearly), *Jahrbuch* (bi-annual), *Abhandlungen* (occasional), geological maps.

Bibliothek der Hochschule für Bodenkultur (*Library of the State University of Agriculture and Forestry*): Vienna XIX, Peter-Jordan-Str. 82; f. 1872; 120,000 vols.; Librarian Dr. Willibald Ogiello.

Bibliothek der Hochschule für Welthandel (*Library of the College of Commerce*): Vienna XIX, Franz Klein Gasse 1; f. 1898; 136,000 vols.; Dir. Dr. Ernst Franz Bösel.

Bibliothek der Technischen Hochschule (*Library of the University of Technology*): Vienna IV, Karlsplatz 13; f. 1815; 270,000 vols; Dir. Dr. Walter Ritzer.

Bibliothek der Tierärztlichen Hochschule (*Library of the Veterinary College*): Vienna III, Linke Bahngasse 11; f. 1767; 41,000 vols.; Dir. Dr. Walter Girolla; publ. *Wiener Tierärztliche Monatschrift* (monthly).

Bibliothek des Bundesministeriums für Finanzen (*Library of the Ministry of Financial Administration*): Vienna I, Himmelpfortgasse 4; f. 1810; 164,600 vols.; Librarian Dr. Walther Buchowiecki.

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Bibliothek des Bundesministeriums für Handel u. Wiederaufbau (*Library of the Ministry of Trade and Reconstruction*): Vienna I, Stubenring 1; f. 1850; 101,338 vols.; Dir. Dr. Bruno Zimmel.

Bibliothek des Bundesministeriums für Land- u. Fortwirtschaft (*Library of the Ministry of Agriculture and Forestry*): Vienna I, Stubenring 1; f. 1868; 55,906 vols.; Librarian Franz Haudek.

Bibliothek des Ministeriums für soziale Verwaltung (*Library of the Ministry for Social Affairs*): Vienna I, Stubenring 1; f. 1917; 105,000 vols.; Dir. Dr. Oskar Langer.

Bibliothek des Bundesministeriums für Unterricht (*Library of the Ministry of Education*): Vienna I, Minoritenplatz 5; f. 1849; 209,537 vols.; library of the Austrian education administration and collection on the history of Austrian Science and pedagogy since 1848; collection of all state approved school books since 1848 and of annual secondary school programmes, with relevant documentation; Dir. Aulic Counc. Dr. O. F. Guglia.

Bibliothek des Instituts für Österreichische Geschichtsforschung (*Library of the Institute of Austrian Historical Research*): Vienna I, Dr. Karl Lueger Ring I; f. 1854; 35,000 vols.; Librarian Dr. Herbert Paulhart; publ. *Verzeichnis der Zeitschriften des Instituts.*

Bibliothek des Kriegsarchivs Wien (*Library of the War Archives Dept. of the Austrian State Archives*): Vienna VII, Stiftgasse 2; f. 1801; 389,000 vols.; Librarian Dr. Edith Wohlgemuth.

Bibliothek des Nationalrates (*Library of Parliament*): Vienna I, Dr. Karl Renner Ring 3; f. 1861; 163,608 vols.; Dir. Dr. Michael Stickler.

Bibliothek des Österreichischen Museums für angewandte Kunst (*Library of the Austrian Museum of Applied Art*): Vienna I, Stubenring 5; f. 1864; 90,000 vols., 32,000 engravings, 11,000 drawings, 30,000 photographs, etc.; Librarian Dr. A. Bartsch.

Bibliothek des Österreichischen Statistischen Zentralamtes (*Library of the Austrian Central Office of Statistics*): Vienna I, Neue Burg, Heldenplatz; about 89,200 vols.; Librarian Dr. Johann Nowak.

Bibliothek für Rechtswissenschaft (*Legal Studies' Library*): Vienna I, Universität, Dr. Karl Lueger Ring 1; f. 1922; 100,000 vols.; Dir. Prof. Dr. Hans Schima; Librarian Marianne Metz.

Bücherei des Österreichischen Patentamtes (*Library of the Austrian Patents Office*): Vienna I, Kohlmarkt 8-10; f. 1899; 160,000 vols.; Dir. Hofrat Dr. Hans Jancik; publs. *Österreichisches Patentblatt, Österreichischer Markenanzeiger, Patentschriften.*

Niederösterreichische Landesbibliothek (*Lower Austrian Provincial Library*): Vienna I, Herrengasse 13; f. 1813; 79,828 vols.; Dir. Dr. Josef König.

Österreichische Nationalbibliothek (*Austrian National Library*): Vienna I, Josefsplatz; f. 1526; 1,759,000 vols.; Gen. Dir. DDr. Josef Stummvoll; the library consists of seven collections:

Printed Books Collection: includes 1,759,000 vols., 5,875 periodicals, etc.

Manuscript Collection: includes 35,999 MSS., 7,825 incunabula, 106,423 autographs, etc.

Music Collection: includes 32,335 music MSS., 71,488 vols. of printed music, etc.

Map Collection: includes 149,000 maps, 122,000 geographical-topographical pictures, 104 globes, etc.

Papyri Collection: includes approx. 100,000 papyri, etc.

Portrait Collection and Picture Archive: includes approx. 425,000 portraits (drawings and photographs), 380,250 photographic negatives, etc.

Theatre Collection: includes 125,600 drama texts; autographs, pictures, stage models, cinema collection.

Pädagogische Zentralbücherei der Stadt Wien (*Pedagogical Library of the Viennese Municipality*): Vienna VII, Burggasse 14-16; f. 1924; 141,800 vols.; Dir. Josef Werfer.

Sammlungen der Gesellschaft der Musikfreunde in Wien (*Library of the Society of Friends of Music in Vienna*): Vienna I, Bösendorferstrasse 12; f. 1812; 13,050 vols.; 55,600 scores; Dir. Dr. Hedwig Mitringer.

Städtische Büchereien der Gemeinde Wien (*Municipal Libraries of Vienna*): Vienna VIII, Schmidgasse 18; 45 brs.; 1 central library, 1 travelling library; Dir. Dr. Rudolf Müller.

Universitätsbibliothek in Wien (*Library of Vienna University*): Vienna I, Dr. Karl Lueger Ring 1; f. 1365, restored 1777; 1,500,000 vols.; Dir. Hofrat Dr. Rudolf Dettelmaier; publs. *Verzeichnis der Neuerwerbungen, Inkunabel-Katalog.*

Wiener Stadtbibliothek (*Vienna City Library*): Vienna I, Rathaus; f. 1856; 256,000 vols., 146,000 MSS., 58,000 musical items, 12,000 MSS. musical items; Dir. Dr. Albert Mitringer.

Zentralbibliothek der Physikalischen Institut der Universität Wien (*Central Library of the Physics Institute of Vienna University*): Vienna IX, Boltzmanngasse 5; f. 1946; 50,000 vols., 1,273 current periodicals, 65,000 atomic energy reports, 100,000 reprints; Dir. Robert Chorherr.

Provinces

Bibliothek der Montanistischen Hochschule (*Library of the Mining and Metallurgical High School*): Leoben, Franz-Josef-Strasse 18; f. 1840; 63,875 vols.; Librarian Peter Sika.

Bibliothek der Technischen Hochschule (*Library of the Technical College*): Graz, Rechbauerstrasse 12; 83,100 vols.; Dir. Dr. Alfred Schmidt.

Bibliothek des Oberösterreichischen Landesmuseums (*Library of the Upper Austrian Provincial Museums*): Linz/Donau, Museumstrasse 14; f. 1836; 60,000 vols.; Librarian Dr. Alfred Marks.

Bundesstaatliche Studien-Bibliothek (*Federal Public Library*): Klagenfurt, Kaufmanngasse 11; f. 1775; 156,800 vols.; Dir. Dr. Karl Schmid.

Bundesstaatliche Studien-Bibliothek (*Federal Public Library*): Salzburg, Universitätsplatz 1; f. 1623; 235,000 vols.; Dir. Dr. Franz Ronrad Weber.

Bundesstaatliche Studien-Bibliothek (*Federal Public Library*): Linz, Schillerplatz 2; f. 1774; 145,000 vols., Dir. Dr. Kurt Vancsa.

Steiermärkische Landesbibliothek am Joanneum (*Styrian Provincial Library*): Graz, Kalchberggasse 2; f. 1811; 420,000 vols.; Dir. Dr. Berthold Sutter.

Universitätsbibliothek Graz (*University Library, Graz*): Graz. Universitätsplatz 3; f. 1586; 560,000 vols.; Dir. Dr. Erhard Glas.

Universitätsbibliothek Innsbruck (*University Library, Innsbruck*): f. 1746; 560,000 vols.; Dir. Hofrat Dr. Josef Hofinger.

Universitätsbibliothek Salzburg (*Salzburg University Library*): Salzburg, Universitätsplatz 1; f. 1623; 250,000 vols.; Dir. Dr. Karl Forstner.

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MUSEUMS AND ART GALLERIES

Vienna

Bundesmobilienverwaltung: Pres. Dr. HERBERT BUCHSBAUM.

1. **Bundessammlung alter Stilmöbel:** Vienna VII. Mariahilferstrasse 88; f. 1780; a collection illustrating different periods of Austrian furniture.
2. **Schausammlung der ehem. Hoftafel-und Silberkammer:** Vienna I, Hofburg; a collection of tableware and silver formerly belonging to the Imperial household.

Erzbischöfliches Dom- und Diözesanmuseum (*Archiepiscopal Cathedral and Diocesan Museum*): Vienna I, Rotenturmstr. 2; f. 1933; ecclesiastical art; Dir. Prof. Dr. RUDOLF BACHLEITNER; Curator Prof. Dr. RUDOLF BACHLEITNER.

Galerie Graf Czernin (*Count Czernin Art Gallery*): Vienna VIII, Friedrich Schmidt Platz 4; f. 1800; paintings; Dir. Count EUGEN CZERNIN; Curator Dr. KARL TRAUTTMANSDORFF.

Gemäldesammlung der Akademie der Bildenden Künste (*Museum of Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1820; paintings, sculpture; Dir. Dr. MARGARETHE POCH-KALOUS.

Graf Harrach'sche Gemäldegalerie (*Count Harrach Art Gallery*): Vienna I, Freyung 3; paintings of Spanish and Neapolitan baroque period.

Graphische Sammlung Albertina (*Albertina Graphic Art Collection*): Vienna I, Augustinerstrasse 1; f. 1776; 35,000 drawings; sketch-books and miniatures; over one million prints; collection of posters; 10,000 vols. in reference library; Dir. Dr. WALTER KOSCHATZKY.

Heeresgeschichtliches Museum (*Military History Museum*): Vienna III, Arsenal; designed by Theophil Hansen and Ludwig Förster and built 1850/56; opened 1891; exhibits dating from Thirty Years War to First World War—objects include swords, Turkish weapons, artillery, armour, uniforms, flags, paintings and sketches; library of about 30,000 vols.; Dir. Hofrat Prof. Dr. HEINZ ZATSCHEK.

Historisches Museum der Stadt Wien (*Historic Museum of the City of Vienna*): Vienna IV, Karlsplatz; f. 1887; local relics of prehistoric, Roman and mediaeval times; ceramics, plastics, tombstones; topographic and cultural history of Vienna from 1500 to 1930; glass-paintings, paintings by Viennese artists and portraits of Viennese personalities; Dir. Dr. FRANZ GLÜCK.

Associated Museums include:

Beethoven-Gedenkstätte: Vienna I, Mölkerbastei 8 (Pasqualatisches Haus); Beethoven relics housed in one of his lodgings.

Haydn Museum: Vienna 6, Haydngasse 19; f. 1899; portraits, MSS. and other relics in the house where Haydn lived and died.

Modesammlungen der Stadt Wien in Hetzendorf: Vienna XII, Schloss Hetzendorf, Hetzendorferstrasse 79; collection of historic costumes and library on the history of Viennese costumes.

Mozart-Erinnerungsraum: Vienna I, Domgasse 5; Mozart's home from 1784-87.

Römische Baureste: Vienna I, Am Hof 9.

Römische Ruinen unter dem Hohen Markt: Vienna I, Hoher Markt 3.

Schubert-Museum: Vienna IX, Nussdorferstrasse 54; f. 1908; Schubert's birthplace; portraits, MSS. and other relics.

Schubert-Sterbezimmer: Vienna IV, Kettenbrückengasse 6.

Stiftermuseum: Vienna I, Mölkerbastei 8 (Pasqualatisches Haus); contains a large part of the paintings of the writer Adalbert Stifter.

Uhrenmuseum der Stadt Wien (*Vienna Clock Museum*): Vienna I, Schulhof 2; f. 1917; includes historic wheelclocks, and a specialist library.

Josefinum: Vienna IX, Währinger Strasse 25; f. by the Emperor Joseph II in 1785 as a college for military surgeons; contains University Institutes for Pharmacognosy and the History of Medicine; library of about 60,000 historical medical books and an 18th century wax anatomical collection.

Kunsthistorisches Museum (*Museum of Fine Arts*): Vienna I, Burgring 5; f. 1891 from Hapsburg Imperial collections; Chief Dir. and Dir. of Picture Gallery Prof. Dr. VINZENZ OBERHAMMER; Curator of Egyptian collection Dr. EGON KOMORZYNSKI; Dir. of Antiquities Dr. RUDOLF NOLL; Dir. of Numismatics Prof. Dr. EDUARD HOLZMAIR; Curator of Plastics and Handicrafts Prof. Dr. HERMANN FILLITZ; Dir. of Armour Dr. BRUNO THOMAS; Curator of Musical Instruments Dr. VICTOR LUITHLEN; Dir. of State Carriages and Historical Costumes Dr. ERWIN M. AUER; Dir. of the Educational Dept. Dr. ANNE SPITZMÜLLER.

Associated institutes include:

Weltliche Schatzkammer: Vienna I, Hofburg, Schweizerhof, Sälenstiege; the insignia and personal relics of the Hapsburg dynasty; Curator Prof. Dr. H. FILLITZ.

Geistliche Schatzkammer: Vienna I, Hofburg, Schweizerhof, Säulenstiege; ecclesiastical collection of the Hapsburgs; church furniture, relics, vestments, etc., from 11th to 20th century, mainly Baroque; Curator Prof. Dr. H. FILLITZ.

Kupferstichkabinett der Akademie der Bildenden Künste (*Graphic Art Collection of the Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1773; 28,162 drawings, 28,287 prints, 20,444 photographs; library (*see above*); Dir. Prof. Dr. S. FREIBERG.

Museum des 20. Jahrhunderts (*Museum of the 20th Century*): Schweizergarten, Vienna III; f. 1962; works by Munch, Bonnard, Nolde, Kandinsky, Klee, Beckmann, Ernst, Kokoschka, Léger, Matisse, Moore, Laurens, Wotruba, etc.; Dir. WERNER HOFMANN.

Museum für Volkerkunde (*Ethnographical Museum*): Vienna I, Neue Hofburg; f. 1876, reorganised 1926; library of about 70,000 vols.; Dir. Kustos Dr. ETTA BECKER-DONNER; publ. *Archiv für Völkerkunde* (annual), *Veörffentlichungen zum Archiv für Völkerkunde* (annual).

Naturhistorisches Museum (*Natural History Museum*): Vienna I, Burgring 7; f. 1748 by Emperor FRANZ I, present building opened 1889; mineralogical collection, geology, palæontology, zoology, botany, anthropology, prehistory; First Dir. Prof. Dr. HANS STROUHAL.

Niederösterreichisches Landes-Museum (*Provincial Museum of Lower Austria*): Vienna I, Herrengasse 9; f. 1902; Natural History section containing fossils, birds, insects, etc., curator Prof. Dr. LOTHAR MACHURA; Historical section of pre-history and Roman Art; Pottery and domestic utensils from medieval times, curator Dr. FRANZ HAMPL; Art and folklore section, curator Dr. RUPERT FEUCHTMÜLLER; Dir. Hofrat Dr. GUSTAV HERMANN; library of 3,000 vols.; publ. *Kulturberichte aus Niederösterreich.*

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Österreichische Galerie (*Austrian Gallery*): Oberes and Unteres Belvedere, Vienna III, Prinz Eugenstrasse 27; Dir. Prof. FRITZ NOVOTNY; Keepers: Dr. HUBERT ADOLPH, Dr. HANS AURENHAMMER, Dr. KLAUS DEMUS, Dr. ZDRAWKA EBENSTEIN; publ. *Mitteilungen der Österreichischen Galerie* (f. 1957); the Gallery has the following three sections:

Museum Mittelalterlicher Österreichischer Kunst: Orangerie des Belvedere, Vienna III, Rennweg 6A; f. 1953; collection of Austrian medieval paintings and sculptures, especially 14th to 16th century.

Österreichisches Barockmuseum: Unteres Belvedere, Vienna III, Rennweg 6A; f. 1923, re-org. 1953; Austrian Baroque art (paintings and sculptures).

Österreichische Galerie des XIX. und XX. Jahrhunderts: Oberes Belvedere, Vienna III, Prinz Eugenstrasse 27; f. 1924 and 1929; collection of 19th and 20th century Austrian paintings and sculptures.

Österreichisches Gesellschafts- und Wirtschafts Museum: Vienna 5, Vogelsanggasse 36; f. 1925, reopened after the war 1948; collection of archives, maps, photographs, etc.; Dir. FRANZ RAUSCHER.

Österreichisches Museum für Angewandte Kunst (*Austrian Museum of Applied Art*): Vienna I, Stubenring 5; f. 1864; Dir. Dr. VIKTOR GRIESSMAIER; Assts. Dr. G. EGGER, Dr. W. MRAZEK, Dr. W. HEIN, Dr. DORA HEINZ, Dr. F. WINDISCH-GRAETZ, Dr. AUG. BARTSCH.

Österreichisches Museum für Volkskunde (*Austrian Museum of Folklore*): Vienna VIII, Laudongasse 15/19; f. 1895; Dir. Prof. Dr. LEOPOLD SCHMIDT; publ. *Veröffentlichungen des Österr. Museums für Volkskunde.*

Schönbrunn Palace and Park: former Imperial summer residence built between 1695 and 1700, and altered between 1743 and 1749; contains magnificent panelled rooms and galleries, furniture, and tapestries; baroque and botanical gardens; Europe's oldest Zoological garden built in 1752, with original baroque centre.

Technisches Museum für Industrie und Gewerbe (*Trade and Industrial Museum of Technology*): Vienna, Mariahilferstr. 212; f. 1816, new building opened 1918; has 30 depts. covering all branches of technical science and technology; library of 33,483 vols.; Dir. Dr. JOSEF NAGLER; Librarian Dr. KÄTHE SUK; publ. *Blätter für Technikgeschichte* (annual).

Provinces

Botanischer Garten: Klagenfurt, Kinkstrasse; special collection of Alpine plants.

Burgenländisches Landesmuseum: Eisenstadt, Museumsgasse 5; f. 1927; geology, prehistory, archaeology, botany, zoology, ethnology; Dir. ADALBERT RIEDL.

Haus der Natur (*Natural History Museum*): Salzburg, Auton Neumayrplatz; f. 1924; 36 sections (zoology, botany, anthropology, hygiene, geology, palæontology, biology); Dir. Prof. Dr. EDUARD PAUL TRATZ.

Krahuletz Museum: Eggenburg; collection started in 1866; museum erected in 1902; 24 sections; geology, palæontology, prehistory, ethnology; Pres. Prof. F. FISCHER; Dir. F. SCHÄFFER.

Kunsthistorische Sammlungen: Innsbruck, Schloss Ambras; f. 1580; contains collections of armour, furniture, pictures and sculpture; Curator Dr. LILLY SAUTER.

Landesmuseum für Kärnten (*Provincial Museum of Carinthia*): Klagenfurt, Museumgasse 2; divided into: (1) History, f. 1844, Gen. Curator Aulic Counc. Prof. Dr. G. MORO; (2) Pre-historic, Roman and Early Christian antiquities, Curator Ing. H. DOLENZ; (3) History of Arts, Curator Dr. R. MILESI; (4) Numismatics, Curator Dr. L. SPRINGSCHITZ; (5) Natural History, f. 1847, Curators E. HÖLZEL, Dr. F. KAHLER, Dr. E. H. WEISS; (6) Folk Arts and Crafts, f. 1925, Curators Dr. F. KOSCHIER, Dr. O. MOSER; (7) Art Gallery, Gen. Curator Prof. Dr. G. MORO; Prehistoric, Roman and Early Christian antiquities; peasant living rooms, costumes; furniture and domestic art of Carinthia; special Alpine museum of models, panoramas, and maps; Dir. of Provincial Museums, Aulic Counc. Dr. G. MORO; library 38,400 vols.; Librarian F. ZOPP; publs. *Carinthia I* (history and folklore), *Carinthia II* (science), *Archiv für Vaterländische Geschichte und Topographie, Kärntner Museumsschriften, Buchreihe des Landesmuseums für Kärntnen, Kärntner Heimatleben.*

Mozart Museum: Salzburg, Getreidegasse 9; birthplace of Wolfgang Amadeus Mozart; converted in 1880 into a museum containing souvenirs of the composer.

Mozarteum: Salzburg, Schwarzstrasse; f. 1914 by the international "Stiftung Mozarteum" and comprising an academy of music (*see* page 100), concert rooms, a library of MSS., books and other memorials of Mozart.

Museum Carnuntinum: Bad Deutsch Altenburg; f. 1904; Curator Dr. EDVARD VORBECK; publs. *Römische Forschungen in Niederösterreich* (irregular), *Jahrbuch des Museums Carnuntinum* (annually).

Oberösterreichisches Landesmuseum (*Regional Museum for Upper Austria*): Linz, Museumstrasse 14 and Tummelplatz 10 (Linzer Schloss); f. 1833; Dir. Dr. WILHELM FREH.

Salzburger Museum Carolino-Augusteum: Salzburg, Rainbergstrasse 1; f. 1834; Roman remains, prehistoric exhibits, art, coins, musical instruments; library and archives; Dir. K. WILLVONSEDER; publ. *Jahresschrift* (from 1955).

Salzburger Residenz-Galerie: Salzburg, Residenz; contains European paintings, 16th–20th centuries.

Schloss Hellbrunn: Salzburg; built 1613–15 and f. as museum by the municipality 1918; contains murals, furniture, folklore and period dwellings, German Baroque garden with mechanical water devices, deer park and open-air theatre.

Steiermärkisches Landesmuseum Joanneum (*Provincial Museum of Styria*): Graz, Raubergasse 10; f. 1811; a State museum; Pres. Dr. FRANZ GRAF MERAN; Sec. Dr. JOSEF NIEDERDORFER, the Museum controls the following institutions:

Alte Galerie: Graz, Neutorgasse 45; painting and sculpture of the Gothic Renaissance and the Baroque period up to 1800; also drawings and engravings of 15th-18th centuries; Dir. Dr. KURT WOISETSCHLÄGER.

Grazer Stadtmuseum: Graz-Eggenberg, Schloss; Dir. D. Dr. EDUARD ANDORFER.

Jagdmuseum: Graz-Eggenberg, Schloss; history of hunting in Austria; Dir. PHILIPP MERAN.

Kulturhistorisches und Kunstgewerbemuseum (*Historical and Industrial Art Museum of Styria*): Graz, Neues Museumsgebäude, Neutorgasse 45; f. 1890; furniture, old carriages, period living-rooms; gold, silver and ironwork, ceramics and applied art, pictures and engravings; Dir. Dr. GERTRUDE SMOLA.

Landeszeughaus (*Arsenal of Styria*): Graz, Herrengasse 16; built 1642; collection of weapons, armour, cannon and firearms of the 16th and 17th centuries; Dir. Dr. KURT WOISETSCHLÄGER.

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Museum für Bergbau, Geologie und Technik: Graz, Raubergasse 10; Dir. Dr. KARL MURBAN.

Museum für Mineralogie: Graz, Raubergasse 10; Dir. Dr. Dipl. Ing. EGON KRAJICEK.

Museum für Tier-und Pflanzenkunde: Graz, Raubergasse 10; Dir. Dr. KARL MECENOVIC.

Museum für Vor- und Frühgeschichte, Münzensammlung: Graz, Raubergasse 10; Dir. Dr. WALTER MODRIJAN.

Neue Galerie: Graz, Sackstrasse 16; painting, drawing and sculpture of 19th and 20th centuries; Dir. Dr. GERTRUDE ALDRIAN.

Schloss-Museum Eggenberg: Graz-Eggenberg; built in 1625; Dir. Dr. GERTRUDE SMOLA.

Steirisches Volkskundemuseum: Graz, Paulustorgasse 13; peasant houses, development of agricultural implements, etc.; Dir. Dr. SAPP WALTER.

Tiroler Landes-Museum Ferdinandeum (*Tyrolean Provincial Museum*): Innsbruck; f. 1823; art, coins, medals, natural history, etc.; Pres. Dr. ERNST DURIG; Director Dr. ERICH EGG.

Tiroler Volkskunstmuseum (*Tyrolean Popular Art Museum*): Innsbruck, Universitätsstrasse 2; f. 1888 and 1929; peasant living-rooms, costumes and domestic utensils; Pres. Dr. HANS GAMPER; Dir. Dr. FRANZ COLLESELLI.

Vorarlberger Landesmuseum: Bregenz, Kornmarkt; f. 1857; collections showing the archaeology, art and folklore of the region; Dir. Dr. ELMAR VONBANK; publ. *Jahrbuch des Vorarlberger Landesmuseumsvereins.*

UNIVERSITIES

KARL-FRANZENS-UNIVERSITÄT GRAZ
(Graz University)

UNIVERSITÄTSPLATZ 3
Telephone: 31-5-81
Founded 1586

Rector: Dr. FRANZ SAUER.
Pro-Rector: Dr. FRANZ SPATH.

Library: *see under* Libraries.

Number of teachers: 350, including 51 professors.
Number of students: 3,445 men, 1,527 women, total 4,972.

DEANS:

Faculty of Theology: Dr. WINIFRIED GRUBER.
Faculty of Law and Politics: Dr. WALTER WILBURG.
Faculty of Medicine: Dr. HANS BERTHA.
Faculty of Philosophy and Natural Sciences: Dr. JULIUS WAGNER.

PROFESSORS:

Faculty of Theology:
AMON, KARL (Ecclesiastical History).
ASVELD, PAUL (Fundamental Theology and Philosophy).
BRUCH, RICHARD (Moral Theology).
FISCHL, JOHANN (Christian Philosophy and Apologetics).
LIST, JOHANN (Pastorial Theology).
SAVER, FRANZ (Old Testament and Oriental Languages).
TRUMMER, JOSEF (Church Law).
ZEHRER, FRANZ (New Testament).

Faculty of Law and Politics:
DOBRETSBERGER, JOSEF (National Economy).
FISCHER, HERBERT (History of German Law).
HÄMMERLE, HERMANN (Commercial Law).
MOKRE, JOHANN (Philosophy of Law).
ROEDER, HERMANN (Penal Law).
*TAUTSCHER, ANTON (Economics and Finance).
WILBURG, WALTER (Civil and International Private Law).

Faculty of Medicine:
BURKL, WILHELM (Histology and Embryology).
GOTSCH, KARL (Internal Medicine).
HÄUSLER, HANS (Pharmacology).
HRUBY, KARL (Ophthalmology).
LEB, ANTON (Radiology).
LIEB, HANS (Medical Chemistry).
LORENZ, ERNST (Pediatrics).
MESSERKLINGER, WALTER (Oto-Rhino-Laryngology).
*MÖSE, JOSEF (Hygiene).
MUSGER, ANTON (Venereal and Skin Diseases).
NAVRATIL, ERNST (Midwifery and Gynæcology).
RATZENHOFER, MAX (Pathological Anatomy).
RIGLER, RUDOLF (Physiology).
SPATH, FRANZ (Surgery).
THIEL, WALTER (Anatomy).
TRAUNER, RICHARD (Dental Medicine).
WERKGARTNER, ANTON (Medicine).

Faculty of Philosophy and Natural Sciences:
BRANDENSTEIN, WILHELM (General and Comparative Philology).
HÄRTEL, OTTO (Plant Anatomy and Physiology).
HERITSCH, HAYMO (Mineralogy and Petrography).
KANTZ, GEORG (Mathematics).
KOREN, HANS (Folklore).
*KRATKY, OTTO (Physical Chemistry).

* Professors lecturing also at the Technische Hochschule in Graz (*q.v.*).

MATL, JOSEF (Slavonic Philology).
METZ, KARL (Geology and Palaeontology).
PALGEN, RUDOLF (Romance Philology).
PASCHINGER, HERBERT (Geography).
RADAKOVIC, KONSTANTIN (Philosophy and Sociology).
REISINGER, ERICH (Zoology).
STANZL, FRANZ (English Philology).
SWOBODA, ERICH (Ancient History).
URBAN, PAUL (Theoretical Physics).
WEIDNER, ERNST (Orientalism).
WEINHANDL, FERDINAND (Psychology and Pedagogy).
WIDDER, FELIX (Botany).
ZINKE, ALOIS (Organic and Pharmaceutical Chemistry).

LEOPOLD-FRANZENS UNIVERSITÄT INNSBRUCK
(Innsbruck University)

INNRAIN 52
Telephone: 26741
Founded 1669.

Rector Magnificus: Prof. DDr. FERDINAND ULMER.
Pro-Rector: Prof. Dr. FRANZ HAMPL.
Chief Administrative Officer: Dr. KARL ASCHABER.
Librarian: Dr. HOFINGER.

Library: *see under* "Libraries".

Number of professors: 75.
Number of students: 4,000.
Publications: *Nachrichtenblatt der Universität Innsbruck, Vorlesungsverzeichnis.*

DEANS:

Faculty of Theology: Prof. Dr. FRANZ LAKNER, S.J.
Faculty of Law and Political Science: Prof. Dr. FELIX ERMACORA.

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Faculty of Medicine: Prof. Dr. ALFRED SCHINZEL.
Faculty of Philosophy and Natural Sciences: Prof. Dr. ALFONS WOTSCHITZKY.

PROFESSORS:

Faculty of Theology:
CORETH, EMERICH (Christian Philosophy).
CROCE, WALTER (Pastoral Theology).
GÄCHTER, PAUL (New Testament Exegesis).
GUTWENGER, ENGELBERT (Fundamental Theology).
HEINZEL, GOTTFRIED (Church Law).
HOFBAUER, JOSEF (Old Testament Exegesis and Oriental Languages).
LAKNER, FRANZ (Dogmatics).
RAHNER, HUGO (Church History, Patrology).
RAHNER, KARL (Dogmatics).

Faculty of Law and Political Science:
ANDREAE, CLEMENS-AUGUST (Political Economy).
CONDANARI, SLAVOMIR (Commercial Law and Law of Exchange).
ERMACORA, FELIX (Public Law).
GRASS, NIKOLAUS (German Law).
GSCHNITZER, FRANZ (Private and Commercial Law).
HERDLITCZKA, ARNOLD (Roman Law).
KIPP, HEINRICH (Common Law and Philosophy of Law).
KOLB, ERNST (Public Law and Administrative Law).
MERZBACHER, FRIEDRICH (Canon Law and German Civil Law).
NOVAK, FRANZ (Austrian Civil Court Procedure).
NOWAKOWSKI, FRIEDRICH (Austrian Penal Law).
STEMBERGER, RUDOLF (Industrial Economics).
ULMER, FERDINAND (Political Economy and Statistics).

Faculty of Medicine:
ASPERGER, HANS (Child Health Care).
HEINZ, KARL (Ophthalmology).
HITTMAIR, ANTON (Internal Medicine).
HOLZER, FRANZ JEF (Forensic Medicine).
HORBST, LUDWIG (Oto-Rhino-Laryngology).
HUBER, PAUL (Surgery).
KONRAD, JOSEF (Dermatology and Syphilology).
KONZETT, HERIBERT (Pharmacology and Toxicology).
LANG, FRANZ JOSEF (General and Pathological Anatomy).
PREISSECKER, OTTO (Dentistry).
RUCKENSTEINER, ERNST (Medical Röentgenology).
SAUSER, GUSTAV (Anatomy, Histology and Embryology).
SCHEMINZKY, FERDINAND (Physiology).
SCHINZEL, ALFRED (Hygiene).
STÖHR, RICHARD (Medical Chemistry).
TAPFER, SIEGFRIED (Gynæcology and Obstetrics).
WENSE, THEODOR (General and Experimental Pathology).

Faculty of Philosophy and Natural Sciences:
BRETSCHNEIDER, HERMANN (Pharmaceutical Chemistry and Organic Chemistry).
BREZINKA, WOLFGANG (Pedagogy).
CAP, FERDINAND (Theoretical Physics).
CREMER, ERIKA (Physical Chemistry).
FRANZ, LEONHARD (Pre-History).
FUCHS, JOSEPH (Astronomy).
GAMS, HELMUT (Systematic Botany).
GRÖBNER, WOLFGANG (Mathematics).
HAMPL, FRANZ (Ancient History).
HAYEK, ERICH (Inorganic and Analytical Chemistry).
HEISSEL, WERNER (Geology and Palaeontology).
HOINKES, HERFRIED (Meteorology and Geophysics).
HUTER, FRANZ (Austrian History and General History of Industry).
ILG, KARL (Folklore).
KINZL, HANS (Geography).
KLEIN, KARL KURT (Old German Language and Literature).
KNOBLOCH, JOHANN (Comparative Philology).
KOHLER, IVO (Psychology).
KRAMER, HAUS (Modern History).
KUHN, ALWIN (Romance Philology).
KÜHNELT, HARRO HEINZ (English Language and Literature).
LADURNER, JOSEF (Mineralogy and Petrography).
LUTTEROTTI, OTTO (History of Art).
MUTH, ROBERT (Classical Philology and Archæology).
PISEK, ARTHUR (Botany).
PIVEC, KARL (Medieval History, Historical Auxiliary Science).
SCHATZ, HEINRICH (Mathematics).
STEIDLE, WOLF (Classical Studies and Philology).
STEINBÖCK, OTTO (Zoology).
STEINMAURER, RUDOLF (Experimental Physics).
WOTSCHITZKY, ALFONS (Classical Archaeology).

UNIVERSITÄT SALZBURG
(Salzburg University)

SALZBURG
Telephone: 81 5 09.

Founded 1620.

Reopened 1963.

Rector: (Vacant).

Library: *see under* Libraries.

DEANS:

Faculty of Catholic Theology: Prof. Dr. CARL HOLBÖCK.
Faculty of Philosophy: (Vacant).

PROFESSORS:

Faculty of Catholic Theology:
DILERSBERGER, JOSEF (New Testament Studies).
HOLBÖCK, CARL (Canon Law).
HOLBÖCK, FERDINAND (Dogmatics).
MICHELS, THOMAS (Liturgical and Ancient Religious History).
PROBST, BENEDIKT (Old Testament Studies).
RIESER, JAKOB (Pastoral Theology).
SCHÄCHER, ERENBERT (Christian Philosophie).

UNIVERSITÄT WIEN
(Vienna University)

DR. KARL LUEGER-RING 1
Telephone: 33 26 61.

Founded 1365.

Rector: Prof. Dr. R. GRASSBERGER.
Pro-Rector: Prof. Dr. F. ARNOLDT.
Archivist: Dr. FRANZ GALL.

Library: *see under* "Libraries".

Number of teachers: 779, including 111 ordinary professors.

Number of students (1962/63): 17,031.

DEANS:

Faculty of Catholic Theology: Prof. Dr. KARL BINDER.
Faculty of Protestant Theology: Prof. Dr. WILHELM KÜHNERT.
Faculty of Law and Political Science: Prof. Dr. WILLIBALD PLÖCHL.
Faculty of Medicine: Prof. Dr. ADOLF LINDNER.
Faculty of Philosophy and Natural Sciences: Prof. Dr. HANS BOBEK.

PROFESSORS:

Faculty of Catholic Theology:
BINDER, KARL (Dogmatics).
GABRIEL, JOHANNES (Old Testament).
HÖRMANN, KARL (Moral Theology).
KLOSTERMANN, FERDINAND (Pastoral Theology).
KORNFELD, WALTER (Religious teaching).
KOSNETTER, JOHANN (New Testament).
LOIDL, FRANZ (Church History).
PRITZ, JOSEF (Fundamental Theology).
THUM, BEDA (Christian Philosophy).

Faculty of Protestant Theology:
EGLI, JOHANN KARL (Reformed Theology).
FITZER, GOTTFRIED (New Testament).
FOHRER, GEORG (Old Testament).
KÜHNERT, WILHELM (Church History).
SCHNEIDER, ERWIN (Systematic Theology).
ZERBST, FRITZ (Practical Theology).

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Faculty of Law and Political Science:

ADAM, ADOLF (Statistics).
ANTONIOLLI, WALTER (Civil and Administrative Law).
BOLLA-KOTEK, SIBYLLE (Roman Law).
DEMELIUS, HEINRICH (Civil Law).
GRASSBERGER, ROLAND (Criminology).
KNOLL, AUGUST M. (Sociology).
KRALIK, WINFRIED (Civil Law).
LAGLER, ERNST (Political Economy).
LENTZE, HANS (German Law, Austrian Constitutional and Administrative Law).
MAHR, ALEXANDER (Political Economy).
PLÖCHL, WILLIBALD (Ecclesiastical Law).
PÜTZ, THEODOR (Political Economy).
ROSENMAYER, LEOPOLD (Sociology).
SAGOROFF, SLAWTSCHO (Statistics).
SCHIMA, JOHANN (Civil Procedure).
SCHMITZ, HANS (Social Law).
SCHWIND, FRITZ (Civil Law).
VEROSTA, STEPHAN (International Law, Philosophy of Law).
WEBER, WILHELM (Political Economy).
WINKLER, GÜNTHER (Austrian State Law).
WOLFF, KARL (Austrian Private Law, Philosophy of Law).
ZEMANEK, KARL (International Law).

Faculty of Medicine:

ANTOINE, TASSILO (Midwifery and Gynæcology).
ASPERGER, HANS (Children's Diseases).
BÖCK, JOSEF (Ophthalmology).
BORNSCHEIN, HANS (Physiology).
BREITENECKER, LEOPOLD (Forensic Medicine).
BRÜCKE, FRANZ (Pharmacology).
CHIARI, HERMANN (Pathological Anatomy).
CHIARI, KARL (Orthopaedics).
FELLINGER, KARL (Internal Medicine).
FUCHSIG, PAUL (Surgery).
HAYEK, HEINRICH (Anatomy).
HOFF, HANS (Neurology and Psychiatry).
KRAUS, HERBERT (Neurosurgery).
KUNZ, HUBERT (Surgery)
LANGER, HANS (Dentistry).
LESKY, ERNA (History of Medicine).
LINDNER, ADOLF (Experimental Pathology).
MAINX, FELIX (Biology).
MAYRHOFER-KRAMMEL, OTTO (Anæsthesiology).
MAYER, ERNST (Zentralröntgen Institut).
MORITSCH, HANS (Hygiene).
NOVOTNY, OTTO (Otology, Laryngology).
PILLAT, ARNOLD (Ophthalmology).
PISCHINGER, ALFRED (Histology, Embryology).
SCHEDLING, JOHANN (Medical Physics).
SCHUBERT, GUSTAV (Physiology).
SEELICH, FRANZ (Medical Chemistry).
SEITELBERGER, FRANZ (Neurology).
TAPPEINER, JOSEF (Dermatology and Syphilology).
TUPPY, HANS (Biochemistry).
UBELHOR, RICHARD (Urological Surgery).
ULLIK, RUDOLF (Surgery, Dentistry).
WIEDMANN, ALBERT (Syphilology and Dermatology).

Faculty of Philosophy and Natural Sciences:

BAYR-KILMPFINGER (Psychology).
BETZ, ARTUR (Roman History).
BIEBL, RICHARD (Botanics).
BOBEK, HANS (Geography).
BREITENBACH, JOHANN (Physical Chemistry).
BREITINGER, EMIL (Anthropology).
BRUKL, ALFRED (Chemistry).
CLAR, EBERHARD (Geology).
CUFUDONTIS, GEORG (Botanics).
DEMUS, OTTO (History of Art).
DUDA, HERBERT W. (Oriental Philology).
EICHLER, FRITZ (Classical Archæology).
ENGEL-JANOSI, FRIEDRICH (Modern History).
ENZINGER, MORIZ (Literature).
EXNER, CHRISTOF (Geology).
FERRARI D'OCCHIEPPO, KONRADIN (Astrology).
FICHTENAU, HEINRICH (Medieval History).
FRAUWALLNER, ERICH (Indian Philology).
FUCHS, LEOPOLD (Pharmacy).
GABRIEL, LEO (Philosophy).
GEITLER, LOTHAR (Systematic Botany).
GOSSEN, CARL (Romance Philology).
GOTTSCHALK, HANS (Oriental Philology).
HAEKEL, JOSEF (Ethnology).
HAMM, JOSEF (Slavonic Philology).
HANSLICK, RUDOLF (Classical Philology).
HANTSCH, HUGO (Modern History).
HECHT, FRIEDRICH (Analytical Chemistry).
HEINTEL, ERICH (Philosophy).
HIRSCHBERG, WALTER (Ethnology).
HLAWKA, EDMUND (Mathematics).
HOFFMANN, ALFRED (History of Economics).
HÖFLER, KARL (Plant Physiology).
HÖFLER, OTTO (Language and Old German Literature).
HOFREITER, NIKOLAUS (Mathematics).
HUNGER, HERBERT (Byzantine Studies).
JAGODITSCH, RUDOLF (Slavonic Philology).
KAINZ, FRIEDRICH (Philosophy).
KARLIK, BERTA (Physics).
KENNER, HEDWIG (Classical Archaeology).
KINDERMANN, HEINZ (Theatre Studies).
KORNINGER, SIEGFRIED (English Language and Literature).
KOZIOL, HERBERT (English Language and Literature).
KRANZMAYER, EBERHARD (German Language and Literature).
KRAUS, WALTHER (Classical Philology).
KRONASSER, HEINRICH (Indo-germanistic Philology).
KÜHN, OTHMAR (Palaeontology and Palaeobiology).
KÜHNELT, WILHELM (Zoology).
LESKY, ALBIN (Classical Philology).
LHOTSKY, ALPHONS (Austrian History)
LINTNER, KARL (Physics).
MACHATSCHKI, FELIX KARL LUDWIG (Mineralogy and Petrography).
MARINELLI, WILHELM (Zoology and Morphology).
MAYRHOFER, KARL (Mathematics).
MEURERS, JOSEPH (Astronomy).
MITTENECKER, ERICH (Psychology).
NOWOTNY, HANS (Physical Chemistry).
NOYER-WEIDNER, ALFRED (Romance Philology).
PÄCHT, OTTO (History of Art).
PITTIONI, RICHARD (Pre-History).
REUTER, HEINZ (Meteorology).
ROHRACHER, HUBERT (Philosophy and Psychology).
RUPPRICH, HANS (German Language and Literature).
SCHACHERMEYR, FRITZ (Greek History).
SCHENK, ERICH (Musicology).
SCHMETTERER, LEOPOLD (Mathematics).
SCHMID, ERICH (Physics).
SCHMID, LEOPOLD (Chemistry).
SCHUBERT, KURT (Oriental Philology).
SCHWARZ, RICHARD (Pedagogics).
SEIDL, FRANZISKA (Experimental Physics).
SEXL, THEODOR (Theoretical Physics).
SLAWIK, ALEXANDER (Ethnology).
SPREITZER, HANS (Geography).
STEINHAUSER, FERDINAND (Geophysics).
STETTER, GEORG (Physics).
THAUSING, GERTRUD (Egyptology).
THENIUS, ERICH (Paleontology).
THIRRING, WALTER (Theoretical Physics).
VIEBÖCK, FRANZ (Pharmaceutical Chemistry).
WIESENEDER, HANS (Mineralogy and Petrography).
WESSELY, FRIEDRICH (Chemistry).
WOLFRAM, RICHARD (Folklore).
ZÖLLNER, ERICH (Austrian History).

AFFILIATED INSTITUTE:

Universitäts-Sternwarte (*University Observatory*): Vienna XVIII, Türkenschanzstr. 17; f. 1753; library of 15,000 vols.; publ. *Mitteilungen der Universitäts-Sternwarte Wien.*

Director: Prof. Dr. JOSEPH MEURERS.

TECHNICAL AND OTHER COLLEGES

Bundesanstalt für Leibeserziehung (*Federal Institute for Physical Education*): Vienna IX, Senseng. 3; f. 1870.

Director: Univ. Prof. DDr. LEO GABRIEL.
Technical Head: Univ. Doz. Dr. HANS GROLL.

Number of students: 400.
Publications: *Leibesübungen und Leibeserziehung* (periodical); *Theorie und Praxis der Leibesübungen.*

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HEADS OF DEPARTMENTS:

Training of Instructors in Physical Education: Ob. Stud. R. Prof. KARL DESCHKA.
Training of Amateur Coaches: Prof. FRANZ HACKL.
Training of Ski Instructors: Prof. FRANK RITSCHEL.
Athletic Conditioning: Prof. ALFRED RÖSSNER.
Medical Service: Prof. Univ. Dr. med. LUDWIG PROKOP.

Graphische Lehr- und Versuchsanstalt (Bundesanstalt) (*Federal Institute for Study and Research in Photography, Commercial Arts, and Printing*): Vienna VII, Westbahnstrasse 25; f. 1888 by H.M. Emperor Franz Josef I.

Principal: Reg. Hofrat Prof. Ing. ALFRED J. LUDWIG.
Secretary: JOSEF LUKL.
Librarian: Dr. AUGUSTE MICHELFEIT.

Library: 22,000 volumes.

The Museum contains an extensive collection of cameras, lenses, photographs, etc.

Number of teachers: 74, of which 65 full-time.
Number of students: 243 men, 115 women, total 358.
Publications include: *Photographische Korrespondenz, GLV-Mitteilungen.*

DIRECTORS:

Faculty of Photography: Prof. HANS MADENSKY.
Faculty of Printing: Prof. Dr. ANTON DURSTMÜLLER.
Faculty of Process Work: Prof. Dr. FLORIAN DANNERER.
Faculty of Commercial Art: Prof. RUDOLF REINKENHOF.
Research Institute: Prof. Dr. WILHELM MUTSCHLECHNER.

Hochschule für Bodenkultur (*State University of Agriculture and Forestry*): Vienna XVIII, Gregor Mendelstr. 33; f. 1872.

Rector: Prof. Dr. Phil. JOSEF KISSER.
Pro-Rector: Prof. Dipl. Ing. Dr. JULIUS KAR.

Library: *see under* Libraries.
Number of teachers: 94, including 22 professors.
Number of students: 1,200.
Publication: *Die Bodenkultur.*

DEANS:

Faculty of Agriculture: Prof. Dipl. Ing. FRANZ TUREK.
Faculty of Forestry: Prof. Dipl. Ing. Dr. FRANZ ACKERL.
Faculty of Engineering for Land-Reclamation: Prof. Dipl. Ing. Dr. FRANZ ACKERL.
Faculty of Zymology: Prof. Dr. Phil. ANTON ZEILINGER.

Hochschule für Welthandel (*University of Commerce*): Vienna XIX, Franz Kleingasse I; Telephone 37 75 44; f. 1898.

Rector: Prof. Dr. LEOPOLD SCHEIDL.
Pro-Rector: Prof. D. Dr. RICHARD KERSCHAGL.
Registrar: Dr. ARTUR LEDER.

Library: 140,681 volumes.
Number of teachers: 120.
Number of students: 3,811.

PROFESSORS;

BORODAJKEWYCZ, TARAS
BOUFFIER, WILLY.
FUX-ESCHENEGG, VIKTOR
GRUNSTEIDL, EDMUND.
HASCHKA, HELMUT.
HEINRICH, WALTER.
HRUSCHKA, ERICH.
ILLETSCHKO, LEOPOLD.
KAFKA, GUSTAV.
KALUSSIS, DEMETRE.
KERSCHAGL, RICHARD.
KRASENSKY, HANS.
RABUSE, GEORG.
SCHEIDL, LEOPOLD.
SKOWRONNEK, KARL.
STRZYGOWSKI, WALTER.

Montanistische Hochschule (*Mining and Metallurgical College*): Leoben (Styria); f. 1848.

Rector: Dr. HERBERT TRENKLER.
Pro-Rector: Dr. Tech. KURT BAUER.

Number of teachers: 52, including 16 professors.
Number of students: 770.

PROFESSORS:

BAUER, KURT (General and Mining Engineering).
BIERBAUER, ERNST (Treatment of Ores).
FETTWEIS, GÜNTER (Mining).
FRIEDRICH, OTHMAR (Mineralogy).
KOCH, ALOIS (Mathematics).
MITSCHE, ROLAND (Metallurgy).
PERZ, FRIEDRICH (Surveying).
PETRASCHECK. WALTER (Geology and Palæontology).
REICHEL, ERICH (Chemistry).
REITZ, ARNO (Physics).
SCHWARZ VON BERGKAMPF, ERICH (Chemistry).
SEIDL, KURT (Electrotechnics).
TRENKLER, HERBERT (Steel Making).
TRUTNOVSKY, KARL (Mechanical Engineering, Machine Draw-Mechanics).
USSAR, MAX BORIS (Thermotechnics and Metallurgy).
ZEPPELZAUER, KARL (Foundry).

Technische Hochschule in Graz (*Graz Technical University*): Graz, Rechbauerstrasse 12. Telephone: 31-5-81; f. 1811.

Rector: Prof. Dipl. Ing. Dr. Tech. HERIBERT GRUBITSCH.
Pro-Rector: Prof. Dipl. Ing. Dr. rer. pol. MAX PIETSCH.
Chief Administrative Officer: H. P. PAULA.
Librarian: Dr. A. SCHMIDT.

Teaching staff: 278.
Number of students: 4,498.

DEANS:

Faculty of Constructional Engineering and Architecture: Prof. Dipl. Ing. Dr. Tech. KARL RINNER.
Faculty of Mechanical and Electrical Engineering: Prof. Dipl. Ing. Dr. Tech. PAUL GILLI.
Faculty of Natural Sciences: Prof. Dipl. Ing. Dr. Tech. KARL TORKAR.

PROFESSORS:

ADAMIK, KARL (Paper and Cellulose Technology).
AICHHOLZER, GERHARD (Electrical Engineering).
BEER, HERMANN (Building Statics and Steel Building).
BIEBER, KARL AUGUSTINUS (Interior Decorating and Planning).
BREITENÖDER, MAX (Hydraulics, Industrial Water Construction and Heating).
FRIEDRICH, ERICH (Concrete, Soil Mechanics and Wood Building).
GEBAUER, RUDOLF (Experimental Physics).
GILLI, PAUL (Steam Engines).
GORBACH, GEORG (Biochemistry).
GOTTWALD, GÜNTHER (Surface Engineering and Draughtmanship).
GRUBITSCH, HERIBERT (Inorganic and Analytical Chemistry).
HOFFMAN, HUBERT (Building and Town Planning).
HOHENBERG, FRITZ (Descriptive Geometry).
HUBENY, KARL (Geodesy).
KLAUDY, PETER (Elements of Electrical Engineering).
KREYSZIG, ERWIN (Mathematics).
KROMM, ALEXANDER (General and Technical Mechanics).
LEDINEGG, ERNST (Theoretical Physics).
LORENZ, KARL RAIMUND (Theory of Building and Design for Civil Engineers).
MUSYL, ROBERT (Mechanical Technology and Machine Tools).
NIEDERMAYER, EGON (Power Plant).
OBERDORFER, GÜNTHER (Electrical Appliances).
PIETSCH, MAX (Industrial Management Training).
PISCHINGER, ANTON (Internal Combustion Engines and Thermodynamics).
POLLAK, ALFRED, Prof. DIPL.ING., DR.PHIL.
RINNER, KARL (Geodesy).
SPITZY, HANS (General Chemistry, Micro- and Radio-Chemistry).
STELLER, ARPAD (Technical Development and Mechanics).

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STUNDL, KARL (Microbiology and Biology).
TORKAR, KARL (Physical Chemistry).
TSCHECH, ERNST (Strength and Testing of Materials).
WACEK, ANTON (Organic Chemistry, Technology of Organic Chemistry).
WANNAGAT, ULRICH (Inorganic Chemistry).
WINTER, HANS (Eelctricity).

Also three ordinary professors of Karl-Franzens-Universität Graz, as marked with an asterisk.

Technische Hochschule in Wien (*University of Technology, Vienna*): Vienna IV, Karlsplatz 13; f. 1815.

Rector: Prof. Dr. ADOLF SLATTENSCHEK.
Pro-Rector: Prof. Dr. KARL KUPSKY.

Library: *see under* Libraries.

Number of teachers: 250, including 60 professors.
Number of students: 5,000.
Publication: *Jahresbericht.*

DEANS:

Faculty of Civil Engineering and Architecture: Prof. Dr. ALOIS KIESLINGER.

Faculty of Mechanical Engineering and Electricity: Prof. Dr. JARO ZEMAN.

Faculty of Natural Sciences: Prof. Dr. FRITZ BAYER.

PROFESSORS:

Faculty of Civil Engineering and Architecture:
BOLTENSTERN, ERICH (Housing Design).
BOROWICKA, HERBERT (Ground Engineering and Soil Mechanics).
CICIN, PAUL (Steel Structures).
CZITARY, EUGEN (Railway Engineering).
EISENMENGER, RUDOLF (Drawing and Painting).
ENGELHART, MICHEL (Fine Arts in Building).
GRZYWIENSKI, ANTON (Water Management, River Engineering, Hydro-Plants).
HANKER, ROBERT (Railroad and Street Substructures).
HEINRICH, GERHARD (Basic Mechanics).
KIESLINGER, ALOIS (Geology).
KRESSER, WERNER (Hydraulics, Waterways, Settlements, Agricultural Applications).
KUPSKY, KARL (Building Construction for Architects).
MELAN, ERNST (Statics and Design of Steel and Wooden Structures).
MERINSKY, JARO (High Building).
PFANN, HANS (Handicrafts, Interior Decoration, Horticulture).
PONGRATZ, FRANZ (Structural Engineering in Ferro-Concrete and Plain Stone).
(Vacant—Technical Mechanics.)

Faculty of Mechanical Engineering and Electricity:
BILLICH, JOHANN (Conveyor Engineering and Technical Drawing).
EBERAN-EBERHORST, ROBERT (Internal Combustion Engines).
FRANKE, OTTO (Introduction to Electrical Engineering).
KIRSTE, LEO (Light Structures and Introduction to Aeronautical Engineering).
KNEISSLER, LEONHARD (Elements and Theory of Electrical Engineering).
KÖNIG, HERBERT (Communication).
KRAUS, GÜNTHER (Low Frequency Technics).
MELAN, HERBERT (Steam and Gas Turbines, Piston Steam Engines and Boilers).
OSWATITSCH, KLAUS (Fluid Mechanics).
PARKUS, HEINZ (Basic Mechanics).
SEQUENZ, HEINRICH (Electrical Power Plants).
SLATTENSCHEK, ADOLF (Knowledge and Testing of Materials).
STIX, ROBERT (Electrical Machines).
TSCHIRF, LUDWIG (Workshop Technology).
VÖLKER, HELMUT (Naval Construction and Marine Engineering).
ZEMANN, JARO (Elements of Machinery).
ZWIERINA, OTTO (Electric Measurements and High Voltage Testing).

Faculty of Natural Sciences:
BANCHER, ENGELBERT (Botany, Microscopy and Organic Raw Materials).
BARVIR, ALOIS (Surveying).
GLASER, WALTER (Applied Physics).
GUTMANN, VIKTOR (Elements of Chemistry).
HAUER, FRIEDRICH (General Surveying).
HORNICH, HANS (Mathematics).
INZINGER, RUDOLF (Mathematics).
KRAMES, JOSEF (Descriptive Geometry).
LIHL, FRANZ (Applied Physics).
REGLER, FRITZ (Physics).
RYBARZ, JOSEF (Insurance Mathematics).
WALDMANN, EDMUND (Organic Chemistry).
WUNDERLICH, WALTER (Descriptive Geometry).
ZORN, HERMANN (Inorganic Chemical Technology).
(Vacant—Physics, Inorganic Chemical Technology).

Technologisches Gewerbemuseum (*Technical Trade College*): Vienna IX, Währingerstrasse 59; f. 1879 by Wilhelm Exner. The College, which is a Federal Institute for both teaching and research, has experimental and test laboratories authorised to grant public certificates.

Director: Hofrat Dipl. Ing. KARL SCHEERER.

Number of students: 1,300.

DEANS:

Faculty of Industrial Management: Prof. Dipl. Ing. WALTER KLEINFINGER.

Faculty of Mechanical Engineering: Prof. Dipl. Ing. JOSEF SCHWANZER.

Faculty of Motor Vehicle Technics: Prof. Dr. HEINRICH SCHLÖSS.

Faculty of Electrical Engineering: Prof. Dipl. Ing. HANS GRÜNER.

Faculty of Tele-Communication Engineering: Prof. Dr. WALTER BRANDSTETTER.

Faculty of Plastic Engineering: Prof. Dipl. Chem. ERNST SCHMITZ.

Faculty of Silicate Engineering: Prof. Dipl. Ing. HEINRICH SZEJDA.

Tierärztliche Hochschule (*Veterinary University*): Vienna III, Linke Bahngasse 11; f. 1767.

Rector: Prof. Dr. JOSEF MICHALKA.
Pro-Rector: Prof. Dr. MICHAEL KARL ZACHERL.

Library: *see* Libraries.

Teaching staff: 93, including 17 Professors.

Afro-Asiatisches Institut in Wien (*Afro-Asian Institute*): Vienna III, Salesianergasse 3A; f. 1959; introductory and advanced seminars, social activities, scientific and economic research.

President of Board of Governors: Dr. HEINRICH DRIMMEL.

President of Academic Council: Prof. Dr. HERBERT W. DUDA.

Advisory Committee: Dr. MARGARETE OTTILLINGER, Prof. Dr. ALOIS PACHE, Dr. RAPHAEL SPANN.

Secretary: HEINRICH POZNIAK.

Number of students: about 550.
Publication: *Confrontation* (quarterly).

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SCHOOLS OF ART AND MUSIC

Art

Akademie der Bildenden Kunste (*Academy of Fine Arts*): Vienna I. Schillerplatz 3; f. 1692; Rector Prof Dr. Roland Rainier; Pro-Rector Prof. Christian L. Martin; Dir. of Gallery Dr. Marg. Poch-Kalous; Sec. Dr. Rudolf Metz; Library, *see* page 92.

Akademie für angewandte Kunst (*Academy of Applied Art*): Vienna I, Stubenring 3; f. 1867; Pres. Arch. Ceno Kosak; teaching staff 65; students 510; library of 9,500 vols.

Music

Akademie für Musik und darstellende Kunst (*Academy of Music and Dramatic Art*): Vienna III, Lothringerstrasse 18; f. 1817 as "Conservatorium der Gesellschaft der Musikfreunde"; nationalised 1909; teaching staff 242; students 1732; Pres. Prof. Dr. Hans Sittner.

Akademie für Musik und darstellende Kunst: Graz; f. 1963.

Mozarteum (Akademie für Musik und darstellende Kunst): Salzburg, Schwarzstrasse; f. 1914; awards degrees in Music and Dramatic Art; Dir. B. Paumgartner; teaching staff 84; students 753.

Musiklehranstalten der Stadt Wien (*Vienna Municipal Music Schools*): Vienna I, Johannesgasse 4a; f. 1938; comprises the Konservatorium (teaching staff 70; students 1,022), 13 Musikschulen (teaching staff 86; students 1,624), and the Kindersingschule (teaching staff 33; students 6,055); Acting Principal Erwin Weiss.

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BELGIUM

Population 9,228,729

ACADEMIES

Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique: Palais des Académies, rue Ducale, Brussels; f. 1772.
President: T. Lepage.
Permanent Secretary: Charles Manneback.
Librarian: Louise Nicolas-Servais.
Library: 400,000 volumes.
Number of mems. 86, correspondents 36, associate mems. 150.
Publications: *Monthly Bulletin, Memoirs, Year Book.*

Directors:
Sciences: T. Lepage.
Letters and Moral and Political Sciences: A. Van Loey.
Fine Arts: H. Lacoste.

Members:

Sciences

Mathematical and Physical Sciences Section:
Bureau, Florent.
Campus, F.
Cox, Jacques.
Geheniau, Jules.
Godeaux, Lucien.
Hemptinne, Marc de.
Lemaître, Georges.
Lepage, Théophile.
Manneback, Charles.
Prigogine, I.
Simonart, Fernand.
Swings, Pol.
Timmermans, Jean.
Van den Dungen, Frans.
Wuyts, Henri.

Natural Sciences Section:
Bouillenne, Raymond.
Bremer, F.
Brien, Paul.
Buttgenbach, Henri.
Dalcq, Albert.
Debaisieux, Paul.
Dubuisson, Marcel.
Fourmarier, Paul.
Fredericq, Henri.
Hauman, Lucien.
Homès, M.
Martens, Pierre.
Thoreau, J.
Van Straelen, Victor.

Letters and Moral and Political Sciences

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Académie Royale de Langue et de Littérature Françaises: Palais des Académies, 1 rue Ducale, Brussels; f. 1920.

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Académie Royale de Médecine de Belgique: Palais des Académies, rue Ducale, Brussels; f. 1841; Pres. M. CHEVAL; 1st Vice-Pres. P. VAN GEHUCHTEN; 2nd Vice-Pres. L. VAN DEN WILDENBERG; Perm. Sec. A. M. DALCQ; 37 mems., 40 correspondents, 43 hon. foreign mems., 58 foreign correspondents; library of 200,000 vols.; competitive scientific examinations held, open to scientists from foreign countries; publs. *Monthly Bulletin, Memoirs*; Library: *see under* Libraries.

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Koninklijke Vlaamse Academie voor Geneeskunde van België (*Royal Flemish Academy of Medicine of Belgium*) Paleis der Academiën, Hertogsstraat 1, Brussels; f. 1938; Pres. Prof. Dr. J. P. BOUCKAERT; Perm. Sec. Prof. Dr. A. LACQUET; 42 mems., 11 correspondents, 1 honorary, 9 foreign honorary, 17 foreign correspondents; publs. *Proceedings, Year Book*; Library: *see* under Libraries.

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Académie Royale des Beaux-Arts, Ecole Supérieure des Arts Décoratifs et Ecole Supérieure d'Architecture de Bruxelles (*Brussels Royal Academy of Fine Arts*): 144 rue du Midi, Brussels; f. 1711; Dir. AUGUSTIN BERNARD; Sec. PAUL LEGARDIEN; 48 professors, 5 assistants; Library: *see* page 108.

Académie Royale des Sciences d'Outre-Mer: 80A rue de Livourne, Brussels 5; f. 1928; the study of overseas sciences and the development of these sciences in Belgian Universities and scientific bodies; Perm. Sec. E. J. DEVROEY.

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Association des Conservateurs d'Archives, de Bibliothèques et de Musées (*Association of Curators, Archivists, Librarians*): 1 rue du Musée, Brussels; f. 1907; Sec.-Gen. J. CAMBY; 371 mems.; publ. *Archives, Bibliothèques et Musées de Belgique* (twice a year), French and Flemish.

Association des Ecrivains Belges de Langue Française (*Association of Belgian Writers in the French Language*): Maison des Ecrivains, 150 chaussée de Wavre, Brussels; f. 1902; Pres. G. DOPPAGNE; Sec.-Gen. B. DELÉPINNE; 440 mems.; publ. *Nos Lettres* (ten times a year).

Association pour les Etudes et Recherches de Zoologie Appliquée et de Phytopathologie (*Association for the Study and Research in Applied Zoology and Phytopathology*): 18 avenue des Arts, Brussels; f. 1945; Pres. R. BRENY; Sec. L. DETROUX; publ. *Parasitica* (quarterly).

British Council, The: 23 Avenue Marnix, Brussels; also serves Luxembourg; Rep. M. H. CARDIFF, O.B.E.

Centre d'Etudes des Problèmes du Monde Musulman Contemporain (*Study Centre for Problems of the Contemporary Moslem World*): 4 rue de Pascale, Brussels 4; f. 1957; Scientific Dir. Prof. A. ABEL; publ. *Bullétin d'Informations* (quarterly).

Centre National de Calcul Mécanique: 44 rue de Louvain, Brussels; Dir. M. A. DILLAERTS.

Centre National d'Etudes et de Recherches Aéronautiques: 11 rue d'Egmont, Brussels; f. 1950; Pres. J. WILLEMS, C.B.E.; Admin. Sec. M. FRESON, DR.SC.

Centrum Voor de Studie van de Mens (*Centre for the Study of Man*): 221 Italiëlei, Antwerp; f. 1951; aims to synthesise the scientific and philosophical data about the nature of man both as an individual and as a part of a cultural community; Pres. R. VAN OVERBEKE; Sec. Mlle L. STORDIAU.

Cercle d'Etudes Littéraires Françaises (C.E.L.F.): 42 avenue de la Couronne, Brussels; f. 1935; Pres. A. LÉGIER; Sec. MARIE-LOUISE PROTSICHINE; 250 mems.; publs. *Interfrance* (irregular), *Les Cahiers de la Tour de Babel* (stories, essays, poetry, novels, plays), *Un Trou dans le Ciel* (poetry).

Commission Belge de Bibliographie: 5 rue de la Régence, Bruxelles 1; f. 1951; Hon. Pres. L. VERNIERS; Pres. E. VAUTHIER; Sec. J. DARGENT; a sub-committee of UNESCO, studies methods of standardisation of bibliography; 68 mems.; publs. *Bulletin* (quarterly), *Bibliographia Belgica, Coll.*

Conseil Supérieur de Statistique: 44 rue de Louvain, Brussels; f. 1841; Pres. G. DE LEENER; Sec. A. DU JARDIN; 38 mems.

Fédération Belge des Alliances Françaises et Institutions Associées: 6 Place Quetelet, Brussels 3; Pres. Prof. VICTOR DECROYERE.

Fondation Médicale Reine Elisabeth: the Foundation invests money in medical research through a number of laboratories operating at an **Institut de Recherches** (address: 1 avenue J. J. Crocq, Brussels 9); Dir. Prof. PAUL SPEHL.

Fondation Universitaire: 11 rue d'Egmont, Brussels 5; f. 1920; Pres. E. J. SOLVAY; 1st Vice-Pres. J. WILLEMS; Sec.-Gen. JEAN MASURE.

Fonds National de la Recherche Scientifique: 11 rue d'Egmont, Brussels; f. 1928; Pres. E. J. SOLVAY; 1st Vice-Pres. J. WILLEMS; Sec.-Gen. M. FRESON.

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Institut Interuniversitaire des Sciences Nucléaires: 11 rue d'Egmont, Brussels; f. 1951; Pres. J. WILLEMS, C.B.E.; Sec.-Gen. M. FRESON, DR.SC.

The aim of these foundations is to encourage higher education and scientific research in Belgium.

Institut Archéologique du Luxembourg: 13 rue des Martyrs; Arlon (Belgique); f. 1847; Pres. ALFRED BERTRANG, Sec.-Librarian LOUIS LEFEBVRE; Treas. RAYMOND REUTER; museum covers prehistoric period, Belgian-Roman period, period of the Franks; folklore, local history; 300 mems.; 6,000 vols.; publs. *Annales, Bulletin* (quarterly).

Institut Archéologique Liègeois: Musée Curtius, 13 quai de Maastricht, Liège; f. 1850; Pres. M. DE RADITZKY; Sec. G. HANSOTTE; studies of history and archæology and related sciences in the District of Liège; 450 mems., 40 correspondents; numerous associate mems.; publs. *Bulletin* (annual), *Archaeological Chronicle of the District of Liège* (quarterly).

Institut Belge de Droit Comparé: 14 rue Bosquet, Brussels; f. 1907; Pres. H. MATTON, 1st Pres. of The Cour des Comptes; Sec.-Gen. F. LANDRIEN; 400 mems.; publ. *La Revue de Droit International et de Droit Comparé* (quarterly).

Institut Belge de Normalisation (I.B.N.) (*Belgian Standards Institute*): 29 avenue de la Brabançonne, Brussels; f. 1946; Pres. P. DE SMET; Dir.-Gen. P. SOHIE; Belgian branch of the Organisation Internationale de Normalisation (I.S.O.); 595 mems.; publs. *Normes Belges, Revue I.B.N.* (monthly).

Institut Belge de Science Politique (*Belgian Institute of Political Science*): 43 rue des Champs Elysées, Brussels; f. 1951; Pres. M. GRÉGOIRE; Sec. V. CRABBE; to promote the study of political science; 800 mems.; publ. *Res publica* (French and Flemish) (quarterly).

Institut Belge des Sciences Administratives (*Belgian Institute of Administrative Sciences*): 11 Place Royale, Brussels; f. 1936; Pres. H. MATTON; Sec.-Gen. G. VANDENHENDE; studies questions submitted by the International Institute of Administrative Sciences; 87 mems.; publ. *Recueil de jurisprudence du droit administratif et du Conseil d'Etat* (quarterly).

Institut des Industries de Fermentation—Institut Meurice Chimie: 1 av. Emile Gryson, Anderlecht, Brussels 7; f. 1963; research centre for food and chemical industries; trains biochemists, chemists and dieticians; Dir. G. CHILTZ.

Institut National de l'Industrie Charbonniere (*National Institute of the Coal Industry*): 7 boulevard Frère-Orban, Liège; f. 1947; Prvs. A. VANDENHEUVEL; Dir. J. VENTER; scientific research relating to the coal industry; 18 mems.; publs. *Annales des Mines de Belgique* (French and Flemish) (monthly), *Bulletins techniques "Mines"* (irregular), *Houille et Dérivés, Préparation des Minerais.*

International Law Association (*Belgo-Luxembourg Branch*): 1 Square Meeus, Brussels; f. 1938; Pres. HENRI COCHAUX; Hon. Secs. LUC VAN DIERNE, JEAN RENAULD, ROGER DALCQ, PIERRE VAN OMMESLAGHE.

International P.E.N. Club: 110 Avenue Fond'Roy, Uccle-Brussels 18; Pres. ROBERT GOFFIN; Sec. Baron CARLOS DE REDZITZKY DE OSTROWICK; Flemish Sec. JEF VAN WYNSBERGHE, 225 Rue du Progrès, Brussels.

Istituto Italiano di Cultura: 38 rue de Livourne, Brussels; Pres. ALBERTO PINCHERLE; Dir. Prof. AUGUSTO TRAVERSA.

Koninklijke Vlaamse Academie voor Taal- en Letterkunde (*The Royal Flemish Academy of Language and Literature*): Königsstraat 18, Ghent; f. 1886; Dir. Prof. Dr. J. F. VANDERHEYDEN; Vice-Dir. Prof. Dr. R. FOUCKE; Perm Sec. M. GILLIAMS; 30 mems.; Commissions: Middle Dutch and Dialects, Modern Literature, History of Culture, Education and Dutch Lexicography; library of 35,000 vols.; 6 publs.

Koninklijke Vlaamse Ingenieursvereniging (*Royal Flemish Association of Engineers*): Ingenieurshuis, Jan van Rijswijcklaan 58, Antwerp; f. 1928; Pres. Prof. IR. D. VANDEPITTE; Sec. R. F. VAN BOCXSTAELE; 3,000 mems.; publs. *Het Ingenieursblad* (monthly), *Huishoudelijke Mededelingen* (fortnightly).

Nationaal Hoger Instituut en Koninklijke Académie voor Schone Kunsten-Antwerpen (*National Higher Institute and Royal Academy of Fine Arts, Antwerp*): Mutsaertstraat 31, Antwerp; f. 1663; Dir. M. MACKEN; Admin. L. REYNAERTS; Scientific Librarian G. PERSOONS.

Société Archéologique: Hotel de Croix, rue Saintraint, Namur; f. 1845; museum and library; approx. 700 mems.; publs. *Annales de la Société Archéologique de Namur, Namurcum.*

Société Astronomique de Liège (*Liège Society of Astronomy*): 115 boulevard Kleyer; f. 1938; Pres. P. TARTE; Sec. CH. SIMAR; brings together amateurs of astronomy, popularises the science; 154 mems.; publ. *Bulletin* (monthly).

Société Belge d'Astronomie, de Météorologie et de Physique du Globe: 3 avenue Circulaire, Uccle, Brussels; f. 1899; Pres. J. VAN MIEGHEM; 750 mems.; publ. *Ciel et Terre* (every two months).

Société Belge de Biochemie (Belgische Vereniging voor Biochemie): 1 Rue des Bonnes Villes, Liège; Sec. Prof. C. LIÉBECQ.

Société Belge de Biologie: 115 Bld. de Waterloo, Brussels; Sec. Prof. P. E. GREGOIRE.

Société Belge de Géologie, de Paléontologie et d'Hydrologie: 13 rue Jenner, Brussels 4; f. 1887; Pres. J. LEPERSONNE; Sec.-Gen. A. DELMER; 490 mems.; publs. *Bulletin de la Société* (three times a year), *Comptes Rendus de Sessions, Memoirs.*

Société Belge de Médecine Tropicale (*Belgische Vereniging voor tropische Geneeskunde*): 155 rue Nationale, Antwerp; f. 1920; 45 hon. mems. (Belgian and foreign), 16 assoc. mems., 139 titular mems., 330 corresp. mems.; Sec. Prof. A. DUBOIS; publs. *Annales de la Société Belge de Médecine Tropicale* (bi-monthly).

Société Belge de Musicologie (*Belgian Society of Musicology*): 65 rue de la Concorde, Brussels 5; b. 1946; Pres. Ch. VAN DEN BORREN; Sec. A. VAN DER LINDEN; encourages the study and progress of the science and history of music; 150 mems.; publ. *Revue belge de Musicologie* (French and Flemish) (quarterly).

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Société Belge de Radiologie: 54 Bld. de Waterloo, Brussels; f. 1906; Pres. Dr. DESAIVE; Sec. Dr. S. MASY; 400 mems.; publ. *Journal Belge de Radiologie* (every two months).

Société Belge d'Etudes Géographiques (*Belgian Society for Geographical Studies*): Blandynberg, 2 Ghent; f. 1931; Pres. M. A. LEFEURE; Sec. M. E. DUMONT; centralises

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and co-ordinates geographical reasearch in Belgium and the Congo; 250 mems.; publ. *Bulletin* (twice a year).

Société Belge d'Ophtalomogie (*Belgian Society of Ophthalmology*): 68 avenue de Tervueren, Brussels; f. 1896; Sec. Prof. APPELMANS; Treas. Prof. L. COPPEZ; 293 mems.; publ. *Bulletin* (quarterly).

Société Chimique de Belgique: 49 Square Marie-Louise, Brussels 4; f. 1887; Pres. M. VAN RYSSELBERGHE; 7 brs. in Belgium; 820 mems.; library at 50 avenue Franklin Roosevelt, Brussels; publ. *Bulletin des Sociétés Chimiques de Belgique* (6 issues every year in collaboration with Vlaamse Chemische Vereniging).

Société d'Astronomie d'Anvers (*Antwerp Society of Astronomy*): 1 Leeuw van Vlaanderenstraat, Antwerp; f. 1905; Pres. C. DE BIÈVRE; Sec. Baron R. DE TERWENGNE; dissemination, teaching and aid for the promotion of astronomy; 154 mems.; publs. *Gazette astronomique* (every two months), *Rapport annuel*.

Société de Langue et de Litterature Wallonnes (*Society for Walloon Language and Literature*): Université de Liège, place du XX août, Liège; f. 1856; Pres. L. WARNANT.

Société des Bollandistes: 24 Bld. St. Michel, Brussels 4; f. at Antwerp in 1630, named after Bollandus, who died 1665; Pres. MAURICE COENS, S.J., medievalist; its members are Belgian Jesuits engaged in the publication of the *Acta Sanctorum* (a critical history of the Saints, with original sources or documents); the Society also publishes the *Analecta Bollandiana* (quarterly since 1882) and *Subsidia Hagiographica* (Nos. 1-39, 1886-1963).

Société d'Etudes et d'Histoire Sammarinaises: 44 avenue Brugmann, Brussels; f. 1937; Pres. DR. JUR. EMMANUEL NOEL; Sec. GEORGES J. MICHAUX; has made a study of the history and institutions of the ancient Republic of San Marino, which dates from the 4th century.

Société d'Etudes Latines de Bruxelles (*Brussels Society for Latin Studies*): 61 avenue Laure, Brussels-Berchem; f. 1937; Pres. L. HERRMANN and M. RENARD; Sec. J. PRÉAUX; Admin. L. BAKELANTS; 430 mems.; publ. *Latomus* (quarterly), *Collection Latomus*.

Société d'Histoire des Droits de l'Antiquité (*Society for the History of Early Law*): 157 avenue Winston Churchill, Brussels; f. 1942; Pres. F. DE VISSCHER; Sec. Mlle M.-Th. LENGER; organises annual international confences in different countries; 320 mems.; publ. *Revue internationale des Droits de l'Antiquité* (annual).

Société Géologique de Belgique (*Belgian Geological Society*): Université de Liége, 7 Place du XX août, Liège; f. 1874; Pres. C. ANCION; Sec. G. UBAGHS; 528 mems.; publs. *Annales de la Société Géologique de Belgique* (Bulletin and memoirs) (monthly), *Mémoires in-4°* (irregular).

Société Mathématique de Belgique: 317 Avenue Ch. Woeste, Brussels 9; f. 1921; Secs. ALFRED PIRON, GUY HIRSCH; 400 mems.; publ. *Bulletin*.

Société Philosophique de Louvain: 2 place Cardinal Mercier, Louvain; f. 1888; Pres. L. DE RAEYMAEKER; Vice-Pres. AUG. MANSION; Sec. Jos. DOPP; 130 mems.; publs. *Revue Philosophique de Louvain* and *Répertoire Bibliographique de la Philosophie*.

Société Royale d'Archéologie de Bruxelles: Musée de la Porte de Hal, Brussels; f. 1857; sections for archæology proper, and the history of art; other collections in Musée Royaux d'Art et d'Histoire; Pres. Mlle M. MARTENS; Sec.-Gen. Comte J. DE BORCHGRAVE D'ALTENA; Librarian M. R. LAURENT; 20,000 vols.; 1,700 mems.; publs. *Bulletins, Year Book*.

Société Royale d'Archéologie et de Paléontologie (*Royal Society of Archaeology and Palæontology*): 12 boulevard Jacques Bostrand, Charleroi; f. 1863; Pres. Baron CARLO HENIN; Sec. S. BRIGODE; 300 mems.; publs. *Bulletin* (quarterly), *Documents et Rapports* (every four years).

Société Royale Belge d'Anthropologie et de Préhistoire: 31 rue Vautier, Brussels; f. 1882; Pres. J. VERHEYLEWEGEN; 176 mems.; publ. *Bulletin de la Société Royale Belge d'Anthropologie et de Préhistoire*.

Société Royale Belge de Géographie: Institut de géographie, 87 Ave. A. Buyl, Brussels 5; f. 1876; Hon. Pres. H.M. KING BAUDOUIN; Pres. R. E. DE SMET; Sec.-Gen. J. ANNAERT; publ. *Revue Belge de Géographie*.

Société Royale Belge des Electriciens: 3 rue Ravenstein, Brussels 1; f. 1884; Pres. E. GILLON; 1,250 mems.; publ. *Bulletin de la Société Royale Belge des Electriciens* (quarterly), *Revue E*.

Société Royale Belge des Ingénieurs et des Industriels: 3 Ravenstein, Brussels; f. 1885; Pres. M. BRABANT; Sec. E. HIANNÉ; 4,400 mems.; publs. *Revue, Bulletin Hebdomadaire*.

Société Royale de Botanique de Belgique: 236 rue Royale, Brussels; f. 1862; Pres. J. MATON; Sec. A. LAWALRÉE; 300 mems.; publ. *Bulletin* (half-yearly).

Société Royale d'Economie Politique de Belgique (*Royal Belgian Society of Political Economy*): Manoir St.-Hubert, Vossem, Brussels; f. 1855; Pres. F. A. SMETS; Sec.-Gen. M. LAGASSE DE LOCHT; for popularisation and progress in political economy; 750 mems.; publ. *Comptes rendus des travaux* (eight times a year).

Société Royale de Géographie d'Anvers (*Antwerp Royal Geographical Society*): 285 Antwerpsestraat, Mortsel-Antwerpen; f. 1876; Pres. M. BAELDE; Sec.-Gen. E. DEBY; 240 mems.; publ. *Bulletin de la Société Royale de Géographie d'Anvers* (annual).

Société Royale d'Entomologie de Belgique: 31 rue Vautier, Brussels 4; f. 1855; Sec. G. DEMOULIN, 182 mems; publs. *Bulletin et Annales de la Société Royale d'Entomologie de Belgique, Mémoires de la Société Royal-d'Entomologie de Belgique, Catalogue des Coléoptères de Belgique*.

Société Royale de Numismatique de Belgique: 5 rue du Musée, Brussels; f. 1842; Pres. Dr. P. NASTER; Sec. F. BAILLION; 50 full mems., 15 hon. mems., 100 foreign corr. mems., 100 national corresponding mems.; publ. *Revue Belge de Numismatique et de Sigillographie*.

Société Royale des Beaux-Arts: 25 avenue Jef. Lambeaux, Brussels; f. 1893; Pres. Baron ALBERT HOUTART; Vice-Pres. PIERRE BAUTIER, VICTOR ROUSSEAU; Sec. P. P. HAMESSE; Treas. J. PHILIPPSON; organises exhibitions of paintings, sculpture and engravings in Brussels; publ. exhibition catalogues.

Société Royale des Sciences (*Royal Society of Sciences*): 7 place du XX août, Liège; f. 1835; Pres. O. ROZET; Sec.-Gen. H. SAUVENIER; advancement of mathematical, physical, chemical, mineral and biological sciences; 169 mems.; publs. *Bulletin* (every two months), *Mémoires* (annual).

Société Royale des Sciences Médicales et Naturelles de Bruxelles: 115 Bd. de Waterloo, Brussels; f. 1882; Sec. Prof. Dr. J. J. REUSE; 150 mems.; publ. *Annales de la Société Royale des Sciences Médicales et Naturelles de Bruxelles* (quarterly).

Société Royale de Zoologie d'Anvers (*Antwerp Royal Zoological Society*): 26 Koningin Astridplein, Antwerp; f. 1843; Dir. W. VAN DEN BERGH; 7,618 mems.; publs. *Zoo* (quarterly, French and Dutch), *Bulletin scientifique* (irregular).

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Société Royale d'Histoire et d'Archéologie (*Royal Society of History and Archaeology*): 2c rue Joseph Hoyois, Tournai; f. 1845; Pres. L. FOUREZ; study of the history of archaeology and art from Tournai; publ. *Annales*.

Société Royale Zoologique de Belgique: 50 avenue F. D. Roosevelt, Brussels; f. 1863; Pres. W. E. VAN DEN BRUEL; Sec. R. RASMONT; publ. *Annales*.

Union Royale Belge pour le Congo et Les Pays D'Outremer (formerly Royale Union Coloniale Belge): 34 rue de Stassart, Brussels; f. 1912; Chair. ALFRED MOELLER DE LADDERSOUS; Gen. Sec. LÉON MOREL; 200 mems.; publ. *Bulletin* (monthly).

U.S. Information Center: 217 avenue Louise, Brussels.

Vereniging der Antwerpse Bibliofielen (*Antwerp Association of Bibliophiles*): Museum Plantin-Moretus, Vrijdagmarkt 22, Antwerp; f. 1877; Pres. R. DE BOCK, L. BAEKELMANS; Sec. Mrs. L. DE PAUW DE VEEN; to increase knowledge of books, particularly in Belgium and the Netherlands; 150 mems.; publ. *De Gulden Passer* (annual).

Vlaamse Chemische Vereniging (*Flemish Chemistry Associatiov*): 49 Maria-Louiza Square, Brussels; f. 1939; Pres. R. LONTIE; Vice-Pres. H. WACHSMUTH; Sec. J. K. VAN LAERE; Treas. G. PEETERS; 1,000 mems.; publs. *Mededelingen* (every two months), *Bulletin des Sociétés Chimiques Belges* (every two months).

RESEARCH INSTITUTES

Centre d'Etude de l'Energie Nucléaire—CEN: 31 rue Belliard, Brussels 4.

The Centre's Council is composed of representatives of industry, science and public administration, and it conducts applied research. The Centre established the reactor installations at Mol in North Belgium.

Centre de Recherches Agronomiques de l'Etat: Gembloux; f. 1872; Pres. EMILE LAROSE; 46 mems.; publs. *Bulletin, Revue de l'Agriculture*; comprises 12 autonomous research stations.

1. **Station de Chimie et de Physique agricoles:** Dir. G. DROEVEN.
2. **Station Laitière:** Dir. E. PIRAUX.
3. **Station de Phytopathologie:** Dir. R. VANDERWALLE
4. **Station d'Entomologie:** Dir. W. VAN DEN BRUEL.
5. **Station de Génie Rural:** Dir. CH. DRICOT.
6. **Station de Recherches pour l'Amélioration des Plantes de grande culture:** Dir. E. LAROSE.
7. **Laboratoire Forestier:** Dir. J. FOUARGE.
8. **Station de Recherches pour l'Amélioration de la Pomme de Terre:** Dir. N. RIGOT.
9. **Station de Phytopharmacie:** Dir. E. TILEMANS.
10. **Station de Recherches pour l'Amélioration des Plantes fruitières et maraichères:** Dir. A. LECRENIER.
11. **Station de Recherches Zootechniques:** Dir. L. HENNAUX.
12. **Station de Phytotechnie:** Dir. L. LACROIX.

Ecole d'Administration (Ministère des Affaires Etrangères): 40 rue Washington, Brussels 5; the School provides free training for candidates preparing for posts in Africa; library collections of books and documents on the overseas territories; Dir. VAN DE VELDE, J.J., Avenue Franklin Roosevelt, 112, Brussels 5.

Institut des Parcs Nationaux du Congo et du Rwanda: 1 rue Defacqz, Brussels 5; f. 1934; to protect national parks and flora and fauna of the Congo and of the Rwanda; Pres. V. VAN STRAELEN.

Institut de Sociologie (attached to University of Brussels): Parc Léopold, rue Belliard, Brussels; f. 1902 by Ernest Solvay; Dir. Prof. A. DOUCY; library of more than 65,000 vols.; publs. *Revue de l'Institut de Sociologie* (quarterly), *Cahiers Economiques de Bruxelles* (quarterly), *Studies en voordrachten* (twice a year), *Revue du centre du Sud-Est asiatique* (quarterly), *L'année Sociale en Belgique* (annual), *Indicateur économique Hebdomadaire* (weekly).

Institut National de Statistique: 44 rue de Louvain, Brussels; Dir.-Gen. A. DUFRASNE.

Institut Pasteur de Bruxelles: 28 rue du Remorqueur, Brussels; Dir. P. BORDET; scientific research, preparation of serums and vaccines, analyses.

Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture (I.R.S.I.A.): 6 rue de Crayer, Brussels 5; f. 1944; promotes and encourages, by means of subsidies, scientific and technical research in industry and agriculture; Pres. P. COLLIN; Dir. LOUIS HENRY; Sec.-Gen. M. C. THEYS; publ. *Annual Report*.

Institut pour la Recherche Scientifique en Afrique Centrale (I.R.S.A.C.) (*Institute for Scientific Research in Central Africa*): 1 rue Defacqz, Brussels 5 and Lwira Bukavu (Congo); f. 1947 to conduct scientific research in Central Africa, with special reference to the Congo; the principal fields of research investigation are in biology, physics and human sciences; there are five research centres in Africa at: Lwiro (Congo), Astrida (Rwanda), Uvira (Lake Tanganyika), Mabali (Lake Tumba), and Elisabethville (Katanga); Sec.-Gen. L. SOYER; Dir. Dr. E. DEMAEYER; publs. *Rapport Annuel, Folia Scientifica Africae Centralis* (quarterly review), *Bulletin des Stations séismologiques de l'I.R.A.S.C., Bulletin de la Station ionosphérique, Observations radio-électriques de la station de Radio-astronomie.*

Institut Royal des Relations Internationales: 88 avenue de la Couronne, Brussels 5; f. 1947; Hon. Pres. Prof. CHARLES DE VISSCHER (Louvain and Ghent Univs., former Judge of the International Court of Justice); Pres. Prof. FERNAND VAN LANGENHOVE (former ambassador); Treas. Prof. PIERRE ANSIAUX (Brussels Univ.); Dir. Prof. EMMANUEL COPPIETERS, DR.ECON., DR.JUR., M.SC.(ECON.); research in international relations, international economics, international law and international politics; specialised library containing 10,000 vols. and 250 periodicals; archives and Press cuttings; lectures and conferences are held; publs. *Chronique de Politique Etrangère* (bi-monthly), *La Belgique et les Nations Unies, La Crise du Système de Sécurité collective des Nations Unies 1946-47, La Belgique et l'aide economique aux pays sous-développés, La Crise Congolaise, Consciences Tribales et Nationales en Afrique Noire.*

Institut Royal des Sciences Naturelles de Belgique: 31 rue Vautier, Brussels; f. 1842
Director: Dr. A. CAPART.
Treasurer and Secretary: G. VAN PUT.
Curators: Dr. E. LELOUP, Dr. F. STOCKMANS, Dr. M. LECOMPTE, Dr. M. GLIBERT, Dr. F. TWIESSELMANN,

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Dr. R. van Tassel, A. Collart, Dr. E. Casier, Dr. W. Adam.

Heads of Departments:

Anthropology and Prehistory: Dr. F. Twiesselmann.
Modern Vertebrates: Dr. X. Misonne.
Modern Invertebrates: Dr. E. Leloup.
Entomology: A. Collart.
Fossilised Vertebrates: Dr. E. Casier.
Primary Invertebrates: Dr. M. Lecompte.
Secondary and Tertiary Invertebrates: Dr. M. Glibert.
Palæobotany: Dr. F. Stockmans.
Mineralogy and Petrography: Dr. R. Van Tassel.
Documentation and Education: Dr. J. G. de Brouwere.
Publications: (1) *Mémoires de l'Institut royal des Sciences naturelles de Belgique* (2 series); (2) *Bulletin de l'Institut royal des Sciences naturelles de Belgique.*

Institut Royal Météorologique de Belgique: avenue Circulaire 3, Uccle, Brussels 18; reorganised 1913; Dir. Prof. Dr. J. van Mieghem; departments for meteorology, aerology, terrestrial magnetism, radiation, geophysical problems, climatology and atmospheric electricity; mems.: scientific 23, assistants 46, technical 12; publs. *Publications de l'I.R.M., Contributions, Bulletin Mensuel de l'I.R.M., Observations du réseau synoptique et aérologique belge, Bulletin Quotidien du Temps, Observations ionosphériques de la Station de Dourbes.*

Jardin Botanique de l'Etat: 236 rue Royale, Brussels; f. 1872; herbarium with 1,500,000 specimens; library of 180,000 vols.; Dir. Dr. Prof. W. Robyns; publs. *Bulletin du Jardin Botanique de l'Etat, Flore Générale de Belgique, Flore Iconographique des Champignons du Congo, Flore du Congo Belge et du Ruandi-Urundi* (in collaboration with I.N.E.A.C.).

Observatoire Royal de Belgique: avenue Circulaire 3, Uccle, Brussels; f. 1827; Dir. Prof. A. G. Velghe; astronomy, radioastronomy, geodynamics; mems.: scientific 18, technical 15; publs. *Annuaire, Bulletin Astronomique, Annales, Communications, Monographies, Bulletin séismique, Bulletin d'Observations des Marées Terrestres.*

LIBRARIES AND ARCHIVES

Antwerp

Archief en Museum voor het Vlaamse Cultuurleven (*Archives and Museum of Flemish Culture*): Minderbroedersstraat 22, Antwerp; f. 1933; Dir. G. Schmook; Sec. D. E. Willekens; files and manuscripts can be seen on application; 32,500 vols., 22,000 files, 22,291 iconogr.; publ. *Mededelingen van de Documentatiedienst.*

Archives de l'Etat à Anvers: Door Verstraete pl. 5, Antwerp; Archivist A. Bousse; documents from 12th to 20th century.

Bibliotheek van het Kon. Vlaams Conservatorium: St. Jacobsmarkt 11, Antwerp; f. 1874; Scientific Librarian Dr. P. Nuten; Asst. Librarian G. de Roover; 76,551 musical works in library; an official report appears each year.

Bibliothèque de l'Institut Supérieur de Commerce de l'Etat: 41 rue des Peintres, Antwerp; 30,000 vols.; Librarian Mrs. Van Hoeck.

Bibliothèque de l'Institut Universitaire des Territoires d'Outre-Mer: 1 avenue Middelheim, Antwerp; 25,500 vols.; Librarian E. D'Orjo de Marchovelette.

Library of the National Higher Institute and Royal Academy of Fine Arts: Mutsaertstraat 31, Antwerp; f. 1663; 20,000 vols. and prints, 250 periodicals, etc.; Scientific Librarian G. Persoons; (this is also the library of the National Higher Institute of Architecture and Town Planning).

Stadsarchief (Archives de la Ville): Venusstraat 11, Antwerp; f. 12th century; Archivist Prof. Dr. Frans Blockmans; documents concerning the administration of the town of Antwerp; history, economic history and history of arts of the town of Antwerp; genealogy, heraldry, cartography, sigillography; specialised library of 6,000 vols., 243 periodicals; publs. *Bulletin des Archives de la Ville d'Anvers, Antwerpsch Archievenblad.*

Stadsbibliotheek: Hendrik Conscienceplein 4, Antwerp; f. 1487, reorganised 1834; open to the public; 450,000 vols.; Librarian G. Schmook.

Arlon

Archives de l'Etat à Arlon: Hôtel du Gouvernement Provincial; Archivist M. Bourguignon; documents concerning the Province of Luxembourg from 11th to 20th century.

Bruges

Archives de l'Etat à Bruges: 14 rue de l'Académie; Archivist J. De Smet; documents on Western Flanders from 11th to 20th century.

Brussels

Archives de la Commission d'Assistance Publique de Bruxelles: 298a rue Haute, Brussels; f. 1803; Archivist Mme A. M. Bonenfant-Feytmans; archives concerning ancient hospices and places of refuge, 12th century to 1803, 1803-1925; approx. 10,000 archives; 5,000 vols.

Archives de la Guerre: 17 Place de la Vaillance, Brussels; f. 1919; attached to Archives Générales du Royaume 1928; Archivist P. Hospel; archives concerning World Wars I and II; 25,000 files; also 28,000 vols. and papers; maps, photographs, collections of currency, medals, etc.; open to the public on application.

Archives de la Ville de Bruxelles: Hôtel de Ville, 2e étage Grand-Place à Bruxelles; Archivist for Brussels Mina Martens; 7 mems.; collection includes Charles Perga meni historical archives (1943); publ. *Cahiers Bruxellois.*

Archives Générales du Royaume: 78 Galerie Ravenstein, Brussels; f. 1794; Archivist E. Sabbe; 350,000 documents concerning the Low Countries, Belgium and Brabant from 11th-20th centuries; library of 25,000 vols.

Bibliothèque Albert Ier (*the Belgian National Library*, formerly Bibliothèque Royale): 2-4 Boul. de l'Empéreur, Brussels; f. 1837; transferred from Place du Musée, 1961; 2,100,000 vols., 32,000 MSS., 650,000 prints, 5,000 periodicals; the collection of medals and metal engravings is temporarily housed at No. 14 rue Joseph II; Chief Curator Herman Liebaers; publs. *Bibliographie de Belgique, Catalogues des Manuscrits de la Bibliothèque Royale,* etc.

Bibliothèque Centrale du Ministère de l'Instruction Publique: 27 rue de Louvain, Brussels; f. 1879; contains vols. on administration and law, all branches of science and pedagogy, educational books; 265,000 vols., 1,000 periodicals; list of new vols. published every six months; open only to mems. of the Ministère de l'Instruction; Librarian Marcel Maes.

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Bibliothèque de l'Académie Royale de Médecine de Belgique and **Bibliotheek van het Kon. Vlaamse Academie voor Geneeskunde van België:** Palais des Académies, rue Ducale, Brussels; 200,000 vols.; Librarians A. FOUREZ and Dr. M. CORDEMANS.

Bibliothèque de l'Académie Royale des Beaux-Arts, de l'Ecole des Arts Décoratifs et Ecole Supérieure d'Architecture: 144 rue du Midi, Brussels; 17,175 vols.; Librarian JOSÉ GALMACHE.

Bibliothèque de l'Ecole Nationale Supérieure d'Architecture et des Arts Décoratifs: Fondation I. Errera, 21 abbaye de la Cambre, Brussels; f. 1918; 25,000 vols.; Librarian CHARLES ALEXANDRE.

Bibliothèque de l'Institut National pour l'Etude Agronomique du Congo: 1 Rue Defacqz, Brussels, 5; the library and documentation centre stays provisionally in Brussels, but the main centres of the Institute are in Léopoldville and Usumbura—*see* the chapters on Burundi and Congo (Léopoldville).

Bibliothèque de l'Institut Royal des Sciences Naturelles de Belgique: 31 rue Vautier, Brussels; 600,000 vols.; Dir. J.-G. DE BROUWERE.

Bibliothèque de l'Université Libre de Bruxelles: 50 avenue Franklin D. Roosevelt, Brussels; f. 1846; books: 700,000 vols., periodicals: 300,000 vol., etc.; open to the public; Librarian ETIENNE VAUTHIER.

Bibliothèque des Bollandistes: 24 boulevard St. Michel, Brussels 4; 300,000 vols.

Bibliothèque, Documentation, Publications du Ministère de l'Emploi et du Travail: 2 rue Lambermont, Brussels; f. 1896 (since the foundation of the Office of Labour); Chef de Service Mme. FANNY PETITJEAN; specialised library of 40,000 vols., 1,400 periodicals on sociology and social sciences; publs. *Revue du Travail* (monthly), *Bulletin bibliographique* (monthly), *Co-ordination Officieuse de la Législation Sociale Belge*, etc.

Bibliothèque du Parlement: Palais de la Nation, 2 place de la Nation, Brussels; f. 1831; Librarian HÉLÈNE DENIS-BOHY; *ca.* 300,000 vols. 2,000 periodicals; list of new vols. published monthly; list of bibliographical documentation published fortnightly.

Bibliothèque Fonds Quetelet (*Library of the Ministry of Economic Affairs*): 32 rue du Luxembourg, Brussels; f. 1841; 400,000 vols. on statistics, economic and social affairs, 4,200 periodicals; Chief Librarian A. J. R. PHILIPS; open to the public; publ. *Accrossements de la Bibliothèque Centrale* (monthly).

Gembloux

Bibliothèque de l'Institut Agronomique de l'Etat: Gembloux; approx. 65,000 vols.; Librarian Mme. L. WILLAM-ENGELS.

Ghent

Archives de l'Etat à Gand: Château de Gérard le Diable; Archivist J. BUNTINX; documents mainly concerning Eastern Flanders from 9th to 20th century.

Bibliotheek der Universiteit: Ghent; f. 1797; 1,500,000 vols.; open to the public; Librarian U. STUYCK.

Bibliotheek van de Rijkslandbouwhogeschool (*Library of the State Agricultural University*): Coupure Links 233, Ghent; 45,000 vols.; Librarian Dr. G. GENIE.

Liège

Archives de l'Etat à Liège: 8 rue Pouplin; Archivist G. HANSOTTE; documents concerning the Liège district from 9th to 20th century.

Bibliothèque Centrale de la Ville de Liège: rue des Chiroux 3, Liège; f. 1907; general library, history of Liège; approx. 225,000 vols.; Librarian MAXIMILIEN DUTILLEUX.

Bibliotheque de l'Institut Archéologique Liégeois: Musée Curtius, 13 quai de Maastricht, Liège; 27,000 vols. (mostly periodicals); Librarian M. YANS.

Bibliothèque de l'Université: 1 Place Cockerill, Liège; f. 1817; 1,250,000 vols. and pamphlets, 5,321 MSS., 5,373 coins, 35,000 engravings and ex-libris; 69 Flemish and Italian paintings of the 14th and 15th centuries; collection of Congolese art and craft; open to the public; Librarian Mme Dr. JEANNE GOBEAUX-THONET; publ. *Bibliotheca Universitatis Leodiensis*.

Centre de Documentation Economique et Sociale Africaine "CEDESA" (*Centre for African Economic and Social Documentation*): 12 avenue Rogier, Liège; f. 1957; Pres. A. GUILLAUME; Sec.-Gen. J.-B. CUYVERS; co-ordination of economic and social documentation concerning Africa to facilitate research; 45 mems. publs. *Bibliographical enquiries*.

Louvain

Bibliothèque de l'Université Catholique de Louvain: Place Mgr. Ladeuze, Louvain; f. 1425; 900,000 vols.; Librarian Chanoine E. HASSAUX.

Malines

Archief en Stadsbibliotheek: Steenweg 1, Malines; f. 1684; Archivist R. DE ROO; the library of the Great Council of the Netherlands; 78,900 vols.; publ. *Inventaire des Archives de la ville de Malines* (12 vols.), *Catalogue méthodique de la Bibliothèque de Malines* (1 vol.).

Archives de l'Archevêché: Archevêché de Malines, Malines; f. 1825; Archivist Canon R. TAMBUYSER; archives from 13th to 20th century; some MSS. and approx. 900 books; also 1,200 files containing documents, 75,000 photographs, iconographs, souvenirs, etc.

Maredsous

Bibliothèque de l'Abbaye de Saint-Benoit: Maredsous (par Maredret-Sosoye); f. 1872; books of learning, especially history and theology; 150,000 vols., 35,000 brochures; Chief Librarian DOM THOMAS DELFORGE (Lic. in Theology); publs. *Revue Bénédictine, Bible et Vie chrétienne*.

Mons

Archives de l'Etat: 23 Place du Parc, Mons, Hainaut; Keeper ARMAND LOUANT; archives date from 10th century to present day; library attached contains 25,000 vols.; the buildings were badly damaged during the war and many records lost; at present there is rebuilding and the archives are being added to; the archives of the town of Mons are intact; there are also archives from the Abbeys of Hainaut, Bonne-Esperance etc., and from the Archbishopric of Tournai.

Bibliothèque de la Faculté Polytechnique de Mons: rue de Houdain, Mons; f. 1837; 22,000 vols.; Librarian M. LELANGUE.

Namur

Archives de l'Etat à Namur: 45 rue d'Arquet; Archivist J. BOVESSE; documents concerning the County and Province of Namur from the 9th to 20th centuries.

Bibliothèque des Facultés Universitaires Notre Dame de la Paix: 61 rue de Bruxelles, Namur; history of Western Europe, classical and Roman philology, art; 270,000 vols.; Chief Librarian A. GHÉQUIÈRE.

Ypres

Stadsbibliotheek (*Public Library*): St. Janstraat 7, Ypres; f. 1840; specialises in books on local history; 35,000 vols.; approx. 60 periodicals published; Librarian MUS OCTAAF.

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MUSEUMS

Antwerp

Koninklijk Museum voor Schone Kunsten (*Royal Museum of Fine Arts*): Place Léopold de Wael, Antwerp; f. 1810; Curator-in-Chief Dr. W. VANBESELAERE; Curator Dr. G. GEPTS-BUYSAERT; Assistant Curators A. A. MOERMAN, J. F. BUYCK; Librarian W. DEHENNIN; Sec. N. SEGERS; collections include works of Van Eyck, Van der Weyden, Memling, Massys, Fouquet, Rubens, Van Dijck, Jordaens, Rembrandt, Frans Hals; works of Belgian artists of 19th and 20th centuries; important works of De Braekeleer, Ensor, Wouters, Permeke; about 100,000 vols.; publs. *Jaarboek van het Koninklijk Museum voor Schone Kunsten, Antwerpen* (annual), *Annual Report* and catalogues.

Kunsthistorische Musea (*Art History Museums*): Rubensstraat 9; Curator FRANS BAUDOUIN.

Museum Mayer van den Bergh: Lange Gasthuisstraat 19; f. 1904; unique collection of paintings, including Bruegel, Quinten Metsys, Broederlam, de Vos, Van Cleve, and medieval sculpture, ivories, etc.; the collections are under the custody of a Board of Regents; Sec. Joz DE COO.

Museum Smidt van Gelder: Belgiëlei 91; f. 1950; famous collection of Chinese and European porcelains, Dutch 17th-century paintings, and of 18th-century French furniture; Chief Asst. Mrs. HÉLÈNE BALLINGS.

Openluchtmuseum voor Beeldhouwkunst (Middelheim) (*Open-air Museum of Sculpture*): Middelheimlaan; f. 1950; important collection of contemporary sculpture, including Rodin, Maillol, Zadkine, Marini, Manzu, Gargallo, Moore, exhibited in a large garden; biennial exhibitions devoted to modern sculpture; Chief Asst. Mrs. MARIE-ROSE BENTEIN.

Rubenshuis (*Rubens' House*): Rubensstraat 9; f. 1946; reconstruction of Rubens' house and studio; original 17th-century portico and pavilion; paintings by P. P. Rubens, his collaborators and pupils; 17th-century furnishings; librarian RENÉ PANDELAERS; Chief Asst. GUSTAAF DE LANDTSHEER.

Museum Plantin-Moretus: Vrijdagmarkt 22, Antwerp; f. 1876; Curator Dr. L. VOET; famous printing of the 16th and 17th century; ancient printing office and foundry, engravings on copper and wood; drawings and pictures; illuminated MSS., library of 40,000 books of the 15th to 18th centuries, archives; publ. *De Gulden Passer* (quarterly).

Oudheidkundige Musea (*Archaeological Museums*): Office: Museum Vleeshuis, Vleeshouwersstraat 38; Curator FRANS SMEKENS.

Museum Vleeshuis: Vleeshouwersstraat 38; f. 1913; Asst. Curator Mrs. J. LAMBRECHTS-DOUILLEZ; sculpture, applied art, Egyptian, Greek and Roman antiquities, numismatics, musical instruments, local history, prehistorical finds.

Museum Brouwershuis: Adriaan Brouwerstraat 20; f. 1933; Asst. Curator Mrs. J. LAMBRECHTS-DOUILLEZ; 16th-century installations for water-supply to breweries.

Nationaal Scheepvaartmuseum (Steen): Steenplaats 1; f. 1952; Asst. Chief-of-Service J. VAN BEYLEN; history of shipping, especially in Belgium.

Volkskundemuseum: Gildekamersstraat 2-6; f. 1907; Asst. Curator W. VAN NESPEN; folk-lore of the Flemish provinces, especially folk art and craft.

Etnografisch Museum: Gildekamersstraat 2-6; Asst. Curator A. G. CLAERHOUT; arts and crafts of primitive and non-European people.

Stedelijk Prentenkabinet—Cabinet des Estampes de la Ville: Vrijdagmarkt 23, Antwerp; f. 1938; Keeper Dr. L. VOET; 7,000 vols. in library; ancient and modern collections of prints and drawings.

Bouillon

Le Musée Ducal "Les Amis du Vieux Bouillon": Bouillon; f. 1947; Curator Dr. CLÉMENT; Sec. Mme CLÉMENT-BODARD; Librarian PIERRE CLOUET; archives, historical manuscripts and documents; archaeology, folklore; exhibition of the history of Godefroy de Bouillon; small library.

Bruges

Groeninge Museum (*Municipal Art Gallery*): Bruges; new buildings completed in 1930; air-conditioned 1956; masterpieces by Jan van Eyck, Hieronymus Bosch, Hugo van der Goes, Hans Memling, Gérard David, etc.; also ancient paintings.

Musée Brangwyn: Bruges; contains an extremely rich collection of oil paintings, water-colours, etchings, etc., by Frank Brangwyn; Dir. of Art and Culture Dr. A. JANSSENS DE BISTHOVEN.

Musée de l'Hospice de la Poterie: quai de la Poterie, Bruges; f. 1847; priceless church ornaments, furniture, paintings, 16th-century tapestry, etc.

Musée Gruuthuse: Dyver 17, Bruges; f. 1864; municipal archæological collection; furniture, jewellery, paintings, porcelain, folklore, Liedts collection of lace, etc.

Brussels

Musée des Beaux-Arts d'Ixelles: rue Jean Van Volsem 71, Ixelles, Brussels 5; f. 1892; Curator J. C. COQUELET; ancient and modern masters, water-colours, drawings, engravings, sculptures, etc.; works of the Belgian and foreign schools; 3,500 vols. (bibliography).

Musée Royal de l'Armée et d'Histoire Militaire: Palais du Cinquantenaire, Brussels; f. 1910; Chief Curator Dr. J. R. LECONTE; collection includes military history of Belgium from 18th century onwards; arms, uniforms, decorations, paintings, sculpture, maps, library and archives.

Musée Royal de l'Afrique Centrale: Tervuren, near Brussels; f. 1897; Dir. L. CAHEN; very rich collections in the fields of pre-history, ethnography, native arts and crafts; geology, mineralogy, palæontology; zoology (entomology, ornithology, mammals, reptiles, etc.); history, economics; library of 75,000 vols.; 18 scientific staff; publs. *Annales du Musée Royal de l'Afrique Centrale* (series in 4to and in 8vo); and miscellaneous publications.

Musées Royaux d'Art et d'Histoire: 10 Parc du Cinquantenaire, Brussels; f. 1835; Chief Curator P. GILBERT; Admin. Sec. M. A. GHYSELEN; publ. *Bulletin*.

Musées Royaux des Beaux-Arts de Belgique: rue du Musée 9, Brussels; f. 1830; Dir. PHILIPPE ROBERTS-JONES; Brussels, medieval, Renaissance and modern pictures and sculpture; publ. *Bulletin des Musées Royaux des Beaux-Arts*.

Musée d'Art Ancien: rue de la Régence 3, Brussels. paintings and drawings (15th-18th century) and old and modern sculpture.

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Musée d'Art Moderne: Place Royale, 1, Brussels; paintings, drawings and sculpture (19th-20th century).

Musée Wiertz: rue Vautier 62, Brussels; paintings of Antoine Wiertz.

Ghent

Musée d'Archéologie de la Byloke: boulevard des Hospices 2, Ghent; Curator A. DE SCHRYVER.

Musée des Beaux-Arts: Parc de la Citadelle, Ghent; f. 1902 Curator PAUL EECKHOUT; contains ancient and modern paintings, sculptures, tapestries, drawings and etchings; library; publishes catalogues.

Liège

Musées d'archéologie et des arts décoratifs de la Ville de Liège: Curator Prof. Dr. JOSEPH PHILIPPE.

Musée Curtius: 13 quai de Maastricht, Liège; f. 1909; chief sections: prehistory, Romano-Belgian and Frankish, Liège coins, decorative arts (from the Middle Ages to the 19th century); Annexes: Roman Hypocaust, Place Saint-Lambert, Liège; lapidary collection in Palais de Justice; the museum is the headquarters of the Archæological Commission of the town of Liège, of the Archæological Institute of Liège, and of the Practical School of Regional History and Archæology.

Musée d'Ansembourg: 114 Féronstrée, Liège; f. 1905; collections of 18th-century decorative arts of Liège; re-constituted interiors.

Musée des Beaux-Arts: rue de l'Académie 34, Liège; f. 1819; 1,655 ancient and modern paintings and abstracts of the Belgian School and French masters from Ingres to Picasso; 100 pieces of ancient and modern sculpture; 13 galleries; Curator LÉON KOENIG.

Musée de l'Art Walloon: 3 parc de la Boverie, Liège; f. 1951; 590 ancient and modern paintings of the Walloon School; 145 ancient and modern pieces of sculpture; print room with 20,000 engravings; Curator LÉON KOENIG.

Musée du Verre: 13 quai de Maastricht, Liège; f. 1959; all the main centres of production, from the earliest times to the twentieth century, are represented. Headquarters of the "Secrétariat général permanent des Journées internationales du Verre".

Salle Wittert: Pace Cockerill, Bibliothèque de l'Université, Liège: 30,000 prints, 51 paintings of 15th and 16th centuries; open to public; Curator Mme. Dr. JEANNE GOBEAUX-THONET.

Malines

Stadsmuseum: Hof van Busleyden-Fred. de Merodestraat, Malines; f. 1844; Curator R. DE ROO; local museum; paintings, sculptures, etc.

Mariemont

Musée et Domaine de Mariemont: Morlanwelz, Mariemont; f. 1922; Curator Mme G. FAIDER-FEYTMANS; contains antiquities from Greece, Rome, India, China, Japan, Egypt; porcelain from Tournai; bookbindings; archaeology; library of 55,000 vols.

Verviers

Musées Communaux: Beaux Arts: rue Renier 17, Verviers; f. 1884; sculpture, paintings; porcelains of Europe and Asia; 500 vols. in library attached; publ. *Le Musée de Verviers* (1942).

Archéologie: rue des Raines, 42; f. 1959; history of art, archæology, folklore, local history.

UNIVERSITIES

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Secretary-General: ROBERT LECLERQ.
Treasurer: RAOUL DE SAEYER.
Librarian: ETIENNE VAUTHIER.

Library: *see under* Libraries.
Number of professors: 920.
Number of students: 5,459 men, 2,199 women, total 7,658.

FULL PROFESSORS:

Faculty of Philosophy and Letters:

ABEL, ARMAND (Arabic Language).
ADHEMAR, JEAN (Archaeology and History of Mediaeval Art).
APOSTEL, LEON (Logic).
ARNOULD, MAURICE (Modern History).
BACKVIS, CLAUDE (Slavonic Literatures).
BAIWIR, ALBERT (English Philology and Literature).
BAZIN, GERMAIN (History of Modern Art; Archæology).
BINGEN, JEAN (Greek Philology and Papyrology).
BONENFANT, PAUL (Belgian History and Historical Geography).
BOUTEMY, ANDRÉ (Latin Philology and Palæography).
BROUWERS, ALBERT (Roman Institutions and Ancient History).
BUYSSENS, ERIC (English Philology).
CLAUSSE, ROGER (Journalism).
COOREMANS, LUCIEN (Press Law).
DE BOCK-DOEHAERD, RENÉE (Mediæval History).
DE COSTER, SYLVAIN (Pedagogy).
DELVOYE, CHARLES (History of Ancient Art and History of Sculpture).
DE STURLER, JEAN (Modern History).
FLAM, LEOPOLD (History of Modern Philosophy).
FORIERS, PAUL (Natural Law).
GERLO, ALOÏS (Latin Philology).
GILBERT, PIERRE (History of Art; Archæology).
GILISSEN, JOHN (History of Law).
GOEDERT-CROISSANT, JEANNE (History of Ancient Philosophy).
HENRION, ROGER (Institutes of Roman Law).
HENRY, ALBERT (Roman Philology).
HOMBERT, MARCEL (Greek Philology and Papyrology).
JACQUEMYNS, GUILLAUME (Modern History).
JANSSENS, EMILE (Greek Philology).
LAMBRECHTS, PIERRE (Ancient History).
LAMEERE, JEAN (History of Modern Philosophy, Ethics).
LAMEERE, WILLIAM (History of Religions).
LEROY, MAURICE (Linguistics).
MORTIER, ROLAND (History of Roman Literature).
OSTERRIETH, PAUL (Psychology).
PEETERS, FÉLIX (Latin Philology).
PERELMAN, CHAÏM (Philosophy; Logic).
PHILIPPOT, PAUL (Archaeology and History of Ancient Art).
PLARD, HENRI (German Philology).
PRÉAUX, CLAIRE (Greek Philology).
RENARD, MARCEL (Archæology and History of Ancient Art).
ROBERT-JONES, M. (Contemporary Art).
STENGERS, JEAN (Historical Criticism and Contemporary History).

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Sulzberger, Suzanne (History of Painting).
Van Compernolle, R. (Questions of Antiquity).
Van Loey, Adolphe (Germanic Philology).
Vauthier, Etienne (History of Modern Literature).
Weisgerber, Jean (German Philology).

Faculty of Law:

Baugniet, Jean (Notarial Law).
Bekaert, Herman (Penal Law).
Bernard, Alfred (Civil Procedure).
Biltris, Norbert (Civil Law).
Chaumont, Charles (Civil Rights).
Cornil, Paul (Penal Law).
De Bersaques, André (Civil Law).
De Busscher, Jacques (Forensic Medicine).
Dekkers, Rene (Civil Law).
de Page, Henri (Civil Law and Philosophy of Law).
De Rijke, René (Civil Law).
De Swaef, C. (Social Legislation).
Dumon, Frédéric (Public Law).
Dupreel, J. (Criminology, Penology).
Flamme, Maurice-Andre (Administrative Law).
Ganshof van der Meersch, Walter-Jean (Public Law).
Gevers-Dwelshauvers, Madeleine (Civil Law).
Gilissen, John (History of Law).
Guillaume, Ary (Legal principles in the Congo, Rwanda and Burundia).
Heenen, Jacques (Commercial Law).
Legros, Robert (Penal Law).
Le Paige, André (Civil Procedure).
Lilar, Albert (Private International Law).
Limpens, Jean (Civil and Commercial Law).
Matthys, Jacques (Civil Law).
Pirson, Robert (Civil Law).
Remouchamps, L. (Industrial Legislation).
Rens, Robert (Notarial Law).
Roost, Marcel (Insurance).
Schreuder, Edgard (Fiscal Law).
Simont, Henri (Civil Law).
Somerhausen, M. (Administrative Law).
Van Audenhoven, M. (Public Finance).
Van Beirs, Lucien (Penal Law and Procedure).
Van Bogaert, Elie (Civil Rights).
Van der Elst, Raymond (Private International Law).
Van Geyt, Gustave (Civil Law).
Van Ryn, Jean (Commercial Law).
Vermeylen, Pierre (Public Law).
Von Schmid, Johan (Philosophy of Law).
Vullers, Carlo (Civil Law).
Waleffe, Fernand (Insurance).
Wets, Georges (Insurance).
Zimmerman, Louis (Political Economy).

Faculty of Science:

Balasse, Georges (Experimental Physics).
Brachet, Jean (Animal Morphology; Biochemistry).
Brien, Paul (Zoology).
Burniat, Pol (Mathematics).
Chantrenne, Hubert (Biological Chemistry).
Consael, Robert (Mathematical Theory of Insurance).
Debever, Robert (Descriptive Geometry).
De Brouckere, Lucia (General Chemistry).
Demeur, M. (Nuclear and Atomic Physics).
Descamps, Robert (General Chemistry).
Duvigneaud, Paul (Botanical Sciences).
Errera, M. (Biophysics, Radio-Biology).
Geheniau, Jules (Mathematical Physics).
Gillis, Paul (Statistics).
Glansdorff, Paul (General and Experimental Physics).
Goldfinger, Paul (Physical Chemistry).
Gourou, Pierre (Geography).
Herlant-Meewis, H. (Animal Histology).
Hirsch, Guy (Higher Geometry).
Homes, Marcel (Plant Physiology, Botany).
Jeener, Raymond (Animal Physiology).
Lahaye, Edmond (Terrestrial and Celestial Physics).
Lepage, Théophile (Higher Algebra).
Libois, Paul (Higher Geometry).
Martin, Richard (General Organic Chemistry).
Maurice, Henri (Mathematical Theory of Insurance and Loans).
Mortelmans, Georges (Geology).
Papy, Georges (Higher Algebra).
Poll, Max (Zoology).
Prigogine, Ilya (Chemical Physics).
Teghem, Jean (Statistics).
Tits, J. (General Mathematics).
Van Mieghem, Jacques (Meteorology).
Van Schoor, G. (Vegetable Physiology).
Wiame, Jean (Microbiology).

Faculty of Medicine:

Bastenie, Paul (Clinical Medicine).
Bordet, Paul (Bacteriology).
Bourg, Raymond (Gynæcology and Obstetrics).
Brabant, Hyacinthe (Orthodontics and Operative Dentistry).
Claude, Albert (Director, University Laboratory of Cytology and Experimental Cancerology).
Cordier, Robert (Histology).
Delovers, Lucien (Propædeutic Clinical Surgery).
De Moor, Paul (Surgical Pathology and Therapeutics).
Desclin, Léon (Pathological Anatomy).
Dubois, Robert (Infant Diseases).
Dustin, Pierre (Pathological Anatomy).
Fautrez, J. (Embryology, Human Anatomy).
Govaerts, Albert (Theory of Physical Education; General Hygiene).
Graffar, Marcel (Social Medicine).
Grégoire, Paul-Egide (Pathological Chemistry).
Hans, M. (Pharmacognosis).
Herlant, M. (General Histologie).
La Barre, Jean (Pharmacodynamics; Toxicology).
Lambert, Pierre-Paul (Clinical Medicine).
Lequime, J. (Pathology and Therapeutics).
Maricq, Louis (Analytical, Pharmaceutical and Toxological Chemistry).
Millet, Maurice (Hygiene).
Mutsaars, Willy (Bacteriology).
Pasteels, Jean (Anatomy).
Reuse, Jean (Therapeutics).
Rijlant, Pierre (Physiology).
Segers, M. (Biology, Clinical Electro Cardiography).
Sivadon, Paul (Psychology).
Snoeck, Jean (Gynæcology and Obstetrics).
Thomas, Jacques (Organic Pharmaceutical Chemistry).
Twiesselmann (Medical Genetics).
Van Riel, Joseph (Tropical Bacteriology).

Faculty of Applied Science:

Baudoux, Pierre (General Physics, Electricity).
Bourgeois, Walter (Mining Legislation).
Chiurdoglu, G. (Organic Chemistry).
Decroly, Claude (General Chemistry; Metallurgy and Siderurgy).
Defay, Raymond (Physical Chemistry).
De Keyser, Walter (Industrial Chemistry).
Delobe, Jean (Combustibles).
de Magnée, Yvan (Applied Geology and Mining Geography).
Glansdorff, Paul (Thermodynamics).
Goche, Omer (General Physics).
Godeau, Robert (Higher Algebra; Differential and Integral Calculus).
Hoffmann, Jean (Industrial Uses of Electricity).
Homes, Georges (Internal Physics of Materials).
Kipfer, Paul (Electronical Physics).
Jaumotte, André (Machine Construction; Turbo-Propulsion)
Marchal, Georges (Industrial Uses of Electricity).
van den Dungen, Frans (Analytical Mechanics; Elasticity and Graphic Statics).
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Van Eepoel, Pierre (Machine Technology).
Verdeyen, Jacques (Civil Building).
Willems, Gustave (Civil Building).

Faculty of Social, Political and Economic Sciences:

A. School of Political and Social Sciences:

Amy, René (Commercial Law).
Bartier, John (Modern International and Colonial Politics).
de Heusch, Luc (Ethnography).
Dorsinfang-Smets, Annie (Primitive Institutions).
Doucy, Arthur (Social Economy).
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JANNE, HENRI (Sociology).
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NEUMAN, HENRI (Financial Economy).
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TWIESSELMANN, FRANÇOIS (Anthropology).
VAN RIEL, JOSEPH (Tropical Health).
VAN TICHELEN, JOSEPH (Public Law).
WALEFFE, FERNAND (Social Legislation in the Congo).

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DE BARSY, EUGÈNE (Practical Commerce; Economics and Finance).
DE GROOTE, PAUL (Economic System of Belgium).
DE SMET, ROGER (Economic Geography).
GARDEDIEU, ALEXANDRE (Applied Mathematics).
GHYSEN, JACQUES (Commercial Law).
GILLET, JEAN-PIERRE (Industrial Organisation and Administration).
HARROY, JEAN-PAUL (Congolese, Rwandan and Burundian economics).
HENRION, ROBERT (Organisation and Administration of Financial Enterprises).
HERBO, CLAUDE (General Chemistry).
MARICQ, R. (Production Technology).
TERLINCK, FRANS (Organisation and Administration of Financial Enterprises).

INSTITUTES AND SCHOOLS ATTACHED TO THE UNIVERSITY

Centre Emile Bernheim pour l'Etude des Affaires (*Emile Bernheim Centre for Current Affairs*): Dir. E. DASSEL.

Centre de Physique Nucléaire (*Nuclear Physics Centre*): f. 1947; the centre consists of laboratories of the Faculties of Science, Medicine and Applied Science; Dir. P. BAUDOUX.

Département d'Economie Appliquée (*Applied Economy Department*).
Director: ETIENNE KIRSCHEN.

Ecole des Sciences Criminologiques Léon Cornil (*Léon Cornil School of Criminology*).
President: The President of the Faculty of Law.

Ecole des Sciences de l'Education (*School of Pedagogy*).
President: SYLVAIN DE COSTER.

Ecole d'Infirmières Annexé à l'Université (*Nursing School attached to the University*).
President: PIERRE RIJLANT.

Institut d'Aéronautique (*Institute of Aeronautics*): attached to the Faculty of Applied Science.
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Institut d'Astronomie et d'Astrophysique (*Institute of Astronomy and Astrophysics*): attached to the Faculty of Science.
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Institut de Botanique Leo Errera (*Leo Errera Institute of Botany*): attached to the Faculty of Science.
Director: MARCEL HOMES.

Institut des Constructions Civiles (*Institute of Civil Construction*): attached to the Faculty of Applied Science.
Director: JACQUES VERDEYEN.

Institut d'Etudes Hispaniques (*Institute for the Study of Spanish*): attached to the Faculty of Philosophy and Letters.
Director: ETIENNE VAUTHIER.

Institut pour l'Etude de la Renaissance et de l'Humanisme (*Institute for the Study of the Renaissance and Humanism*): attached to the Faculty of Philosophy and Letters.
Director: JEAN LAMEERE.

Institut de Géographie (*Institute of Geography*): attached to the Faculty of Science.
Directors: PIERRE GOUROU and ROGER-ERNEST DE SMET.

Institut Jules Bordet (*Jules Bordet Institute*): f. 1935 for cancer research.
Director: ALBERT CLAUDE.

Institut de Méchanique Appliquée (*Institute of Applied Mechanics*): attached to the Faculty of Applied Science.
Director: ANDRE JAUMOTTE.

Institut d'Organisation et de Gestion des Entreprises (*Institute of Organisation and Administration of Contracts*): attached to the Faculty of Social, Political and Economic Science.
President: EMILE DASSEL.

Institut de Philologie et d'Histoire Orientales et Slaves (*Institute of Eastern and Slavonic Philology and History*). attached to the Faculty of Philosophy and Letters:
Director: CLAUDE BACKVIS.

Institut de Philosophie (*Institute of Philosophy*): attached to the Faculty of Philosophy and Letters.
Director: Mme. JEANNE GOEDERT-CROISSANT.

Institut de Phonetique (*Institute of Phonetics*): Pres. P. BAUDOUX.

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Institut de Physique (*Institute of Physics*): attached to the Faculty of Science.
President: JULES GEHENIAU.

Institut de Sociologie Solvay (*Solvay Institute of Sociology*).
Director: ARTHUR DOUCY.

Institut de Statistique (*Institute of Statistics*).
Director: PAUL GILLIS.

Institut de Stomatologie (*Institute of Stomatology*): Faculty of Medicine.
Director: HYACINTHE BRABANT.

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Director: FRANS VAN DEN DUNGEN.

Institut du Travail (*Institute of Business Management*).
Director: MADELEINE GEVERS.

Institut d'Urbanisme (*Town Planning Institute*): attached to the Faculty of Applied Science.
Director: GUILLAUME JACQUEMYNS.

Institut Supérieur d'Education Physique (*Institute for Higher Study of Physical Training*).
Director: PIERRE RIJLANT.

Laboratoire de Calcule Numerique et Analogique: Dir. PAUL GILLIS.

RIJKSUNIVERSITEIT TE GENT
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Rector: J. J. BOUCKAERT.
Vice-President of the Board of Directors: R. PLANCKE.
Pro-Rector: P. LAMBRECHTS.
Secretary of the Senate: F. MALSCHAERT.

Library: *see* Libraries.
Number of teachers. 235, including 160 professors.
Number of students: 5,000.

Publications: *Werken uitgegeven door de Faculteit van de Letteren en de Wijsbegeerte, Uitgaven van het Seminarie voor*

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Dialectologie, Uitgaven van het Sociologisch Instituut, Gentse Bijdragen tot de Kunstgeschiedenis en Oudheidkunde, Voor onze Studenten (Vade mecum), Programma der leergangen, Verslagen.

DEANS:

Faculty of Philosophy and Letters: R. DEROLEZ.
Faculty of Law: R. DEKKERS.
Faculty of Science: L. DE CONINCK.
Faculty of Medicine: C. HOOFT.
Faculty of Applied Sciences: L. PINTELON.

FULL PROFESSORS:

Faculty of Philosophy and Letters:

APOSTEL, L. (Philosophy and Logic).
of Modern Literature, Mediæval English Literature).
BOLCKMANS, A. (Modern Scandinavian Language).
BROECKX, J. (Music History).
COUVREUR, W. (Indo-European Languages).
DE COSTER, W. (Psychology).
DE LAET, S. (History).
DE MAEYER, M. (Archæology and History of the Arts).
DEROLEZ, R. (English Literature).
DHONDT, J. (Modern History).
DUMONT, M. (Geography).
DUVERGER, J. (Methodology of History).
GUIETTE, R. (Romance Languages).
LAMBRECHTS, P. (Archæology and Ancient History).
LEEMANS, E. (Mediæval and Modern Greek, Grecian Palæography, Papyrology).
MINIS, N. (Germanic and German Language and Literature).
MOURIN, L. (Spanish Language and Literature).
PEE, W. (Dutch Philology).
PIRON, M. (Dialectology of Romance Languages).
PLANCKE, R. (History of Pedagogy).
POERCK, G. DE (Romance Philology).
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SCHARPE, A. (Indo-European Syntax, Latin and Greek).
SCHRICKX, W. (English Language and Literature and History, American Literature).
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VERHULST, A. (Mediaeval History).
VERLINDEN, C. (General History).
VYVER, A. VAN DE (History of Philosophy).
WERVEKE, J. VAN (History of Belgium).
WOESTIJNE, P. VAN (Latin).

Faculty of Law:

ADRIAENS, H. (Colonial Law).
AMERIJCKX, F. (Administrative Law).
BLONDEEL, J. (Comparative Civil Institutions).
BURSSENS, A. (Problems of Colonial Politics).
DEKKERS, R. (Philosophy of Law).
DELVA, W. (Criminology).
DE PELSEMAEKER, C. (Accountancy).
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(Vacant—Common Law, Commercial Law).

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(Vacant—Higher Algebra and Geometry, Astrophysics).

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EEMAN, F. (Oto-Rhino-Laryngology).
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HOOFT, C. (Child Health).
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VAN DER EECKEN (Psychology).
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President: L. VAN DEN BERGHE.

Hoger Instituut voor Opvoedkundige Wetenschappen (*Institute of Pedagogy*): Universiteitstraat, 14; f. 1927.
President: R. VERBIST.

Affiliated to the Faculty of Law:

Hogere School voor Handels- en Economische Wetenschappen (*Higher School of Commercial and Economic Science*): Universiteitstraat 14; f. 1934.
President: A. HACQUAERT.

School voor Criminologie (*Criminology School*): Universiteitstraat 14; f. 1938.
President: C. VANHOUDT.

Affiliated to the Faculty of Medicine:

Hoger Instituut voor Lichamelijke Opvoeding (*Higher Institute for Physical Education*): Watersportlaan 2; f. 1908.
President: P. VAN UYTVANCK.

Veeartsenijschool (*Veterinary School*): Casinoplein 21; f. 1934.
President: A. VERSTRAETE.

UNIVERSITÉ DE LIÈGE
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PLACE DU XX-AOUT, 7, LIÈGE

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Rector-President: M. DUBUISSON.
Vice-President of the Administrative Council: C. RENARD.
Secretaryof the Academic Council: G. DOSSIN.
Government Commissioner: P. HORION.

Library: *see* Libraries.
Number of teachers: 245, including 129 professors.
Number of students: 4,659.

DEANS:

Faculty of Philosophy and Letters: J. WARLAND.
Faculty of Law: J. CONSTANT.
Faculty of Science: H. BRASSEUR.
Faculty of Medicine: M. WELSCH.
Faculty of Applied Science: R. SPRONCK.

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Faculty of Philosophy and Letters:

CLAUSSE, A. (History of Pedagogy).
CLOSSET, F. (Flemish, German and English Philology).
D'ARDENNE, Mlle S. (English Philology and Mediaeval Literature).
DE CORTE, M. (History of Philosophy).
DEHOUSSE-LEJEUNE, Mme R. (Walloon Literature).
DELATTE, L. (Latin).
DELBOUILLE, M. (French Philology and Grammar).
DEMOULIN, R. (Modern History).
DEVAUX, PH. (Philosophy).
DOSSIN, G. (Archæology, Ancient and Modern).
DUYCKAERTS, F. (History of Philosophy).
FOHALLE, R. (Classical Philology, Sanskrit).
HALKIN, LÉON-E. (History).
HARSIN, P. (Modern History, Belgian History).
HORRENT, J. (Romance Philology).
LABARBE, J.
LEJEUNE, JEAN (History).
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NIVELLE, A. (German Literature and Language).
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WARLAND, J. (History of Germanic Language).
WARNANT, L.

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CLEMENS, R. (Sociology, Political Economy).
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DAVID, Mme S. (Civil Law).
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LAMBERT, P. (Economics).
LEJEUNE, JULES (Statistics).
MOUREAU, L. (Administrative Law).
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RENARD, C. (Civil Law).
VAN HOUTTE, J. (Penal Law).

Faculty of Science:

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BOUILLENNE, R. (Botany).
BRASSEUR, H. (Crystallography and Mineralogy).
BUREAU, F. (Analytical Mechanics).
DAMAS, H. (Animal Morphology).
DESREUX, V. (Physical Chemistry, Biochemistry).
D'OR, L. (Chemistry).
DUBUISSON, M. (Biology, Zoology).
DUCHESNE, J. (Physics and Mathematics).
DUSSART, F. (Regional Geography).
DUYCKAERTS, G. (Analytical Chemistry).
GARNIR, H. (Analytical Mechanics and Higher Algebra).
GUEBEN, G. (Experimental Physics).
HAUTOT, A. (General Physics).
HUMBLET, J. (Analytical Mechanics).
JONGMANS, F. (Higher Geometry).
LECLERCQ, Mlle S. (Phyto-Palæontology).
LEDOUX, P. (Astronomy, Analytical Mechanics).
MACAR, P. (Physical Geography).
MICHOT, P. (Petrography).
MIGEOTTE, M. (Experimental Physics).
MONOYER, A. (Botany).
MORAND, M. (Experimental Physics).
NOLLET, L. (Analytical Geometry).
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PIRENNE, J. (Quantity Mechanics and Statistical Mechanics).
ROZET, O. (Analytical and Projective Geometry).
SERPE, J. (Physics and Mathematics).
SWINGS, P. (Astronomy).
TULIPPE, O. (Geography and Ethnography).
UBAGHS, G. (Zoopalæontology).
WINAND, L. (Physical Mechanics).

Faculty of Medicine:

BACQ, Z. (Therapeutic Pathology).
BETZ, E. (Pathological Anatomy).
CHEVREMONT, M. (Histology and Embryology).
DALLEMAGNE, M. (Pharmacodynamics).
DENOEL, A. (Pharmacognosy).
EISENRING, R. (Stomatology).
ESSER, W. (Physiotherapy).
FLORKIN, M. (Biochemistry).
FREDERICQ, P. (Hygiene).
GOSSELIN, O. (Gynæcology, Obstetrics).
HEUSGHEM, C. (Pharmaceutical Chemistry, Hygiene).
HONORÉ, D. (Surgery).
LAMBRECHTS, A. (Children's Diseases).
LAPIÈRE, S. (Venereal Diseases and Dermatology).
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LEDOUX, A. (Oto-Rhino-Laryngology).
LEROUX, G. (Radiography).
MOUREAU, P. (Medical Law).
ORBAN, F. (Surgery).
STAINIER, C. (Pharmaceutical Chemistry).
VAN BENEDEN, J. (Hygiene).
VANDERVAEL, F. (Anatomy).
WEEKERS, R. (Ophthalmology).
WELSCH, M. (Bacteriology).

Faculty of Applied Science:

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BURNAY, G. (Mechanics and Applied Physics).
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FRENKIEL, J. (Electro-acoustics).
HERMANS, L. (Topography).
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LECLERC, E. (Analytical Chemistry).
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LOUON, P. (Electrical Machines).
MASSONNET, C. (The Elasticity of Materials).
MELON, J. (Mineralogy).
ROUSSEAU, M. (Electrical Installations).
SPRONCK, R. (Naval Engineering).

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Attached to the Faculty of Philosophy and Letters:

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President: L. LACROIX.

Institut Supérieur d'Histoire et de Littératures Orientales (*Institute of Oriental History and Literature*).
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Institut de Psychologie et des Sciences de l'Education (*Institute of Psychology and Educational Sciences*).
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Attached to the Faculty of Science:

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Director: M. DUBUISSON.

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Director: R. BOUILLENNE.

Institut de Morphologie Végétale (*Institute of Plant Morphology*): 46 rue Bassenge.
Professor: A. MONOYER.

Institut Walter Spring (*General Chemistry*): Quai Franklin Roosevelt 16.

Institut d'Astrophysique (*Institute of Astrophysics*): Cointe-Sclessin.
Professor: (Vacant).

Institut d'Astronomie et Géodésie (*Institute of Astronomy and Geodesy*): Cointe-Sclessin.
Professor: L. J. PAUWEN.

Institut de Mathématiques (*Institute of Mathematics*): 45 Avenue des Tilleuls.

Institut de Physique (*Institute of Physics*): Quai Franklin Roosevelt 1a.

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Professor: G. GUÉBEN.

Institut de Geographie (*Institute of Geography*): Place du 20 Août 7.
Professor: O. TULIPPE.

Institut de Géologie (*Institute of Geology*): 7 Place du 20 Août 7.

Institut de Cristallographie et de Minéralogie (*Institute of Crystallography and Mineralogy*): Place du 20 Août, 7.

Institut de Paléontologie: Place du 20 Août, 7.

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Institut de Pathologie et de Bactériologie (*Institute of Pathology and Bacteriology*): 1 rue des Bonnes-Villes.

Institut de Bactériologie, Pathologie et Thérapeutique (*Institute of Bacteriology, Pathology and Therapeutics*): Boulevard de la Constitution, 32.

Institut et Musée d'Hygiene (*Institute and Museum of Hygiene*): 16 Place Delcour.

Institut de Pharmacie Alfred Gilkinet (*Alfred Gilkinet Institute of Pharmacy*): 5 rue Fusch.

Hôpital de Bavière: 66 bvd. de la Constitution, Liège, is the University Hospital.

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Treasurer: Rev. Canon J. BILLIAUW.
Registrars: JULES CRAB, LOUIS VAN BILLOEN.

Library: *see under* Libraries.
Number of teachers: 777, including 323 professors.
Number of students: 11,967 men, 3,084 women, total 15,051.
All courses are given in French and Dutch.

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Faculty of Canon Law: Prof. H. WAGNON.
Faculty of Law: Prof. Z. VAN HEE.
Faculty of Medicine: Prof. E. VAN CAMPENHOUT.
Faculty of Philosophy and Letters: Prof. J. LAVALLEYE.
Faculty of Science: Prof. G. POLSPOEL.
Faculty of Economic and Social Sciences: Prof. J. MARTINS DE WILMARS.
Faculty of Applied Sciences: Prof. A. HOUBRECHTS.

PROFESSORS:

Faculty of Theology:

COPPENS, JOSEPH (Old Testament Exegesis, Ancient Religious History, Scientific *Exposé* of Religion).
DE LANGHE, ROBERT (Accadian, Bibl. Aramaic, Hebrew, New Testament Greek).
DONDEYNE, ALBERT (Religious Philosophy, Metaphysics).
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ETIENNE, J. (Moral Philosophy).
GIBLET, J. (New Teatsment).
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JANSSENS, LOUIS (Moral Theology, Moral Philosophy).
MASSAUX, EDOUARD (Holy Scripture: New Testament).
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THILS, GUSTAVE (General Dogmatic Theology).
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VIEUJEAN, JEAN (Religion, Ecclesiastical History).

Faculty of Canon Law:

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ONCLIN, WILLY (Canon Law).
STEPPE, JOSEPH (History of Christian Oriental Art, Archæology, History of Art, Iconography).
WAGNON, HENRI (Canon Law).

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CAES, LUCIEN (Pandects, Roman Law).
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DE VISSCHERE, FRANS (Administrative Law).
DE VLEESCHAUWER, ALBERT (Commercial Law).
DUPRIEZ, LÉON H. (Statistics, Economics).
DURIEUX, A. (Civil Law of the Congo).
EYSKENS, GASTON (Public Finance, Political Economy).
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LIÉNARD, ROBERT (Comparative Civil Law, Notarial Law).
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PIRON, P. (Public and Administrative Law).
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RIGAUX, F. (International Private Law, Civil Law).
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RUBBRECHT, JEAN (Penal Law).
STRUYE, P. (Professional De-Ontology).
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VAN ZEELAND, PAUL (Economics).

Faculty of Medicine:

APPELMANS, MAURICE (Ophthalmology).
ARCQ, JULES (Pathology and Internal Therapeutics).
AUBERT, X. (General Physiology).
BECKERS, J. (General Surgical Pathology).
BERTHET, J. (Physiological Chemistry).
BIOURGE, A. (Stomatology).
BONTÉ, J. (Anatomy).
BORGHGRAEF, R. (Human Physiology).
BOUCKAERT, JOSEPH (Physiology).
BRUYNOGHE, GUY (Bacteriology).
CASTILLE, ARMAND (Pharmaceutical Chemistry, Analysis of Foodstuffs).
COLLE, JEAN (Physiology of the Senses, Biophysics).
CRABBÉ, F. (Oto-rhino-laryngology).
DE DUVE, CHRISTIAN (Physiological Chemistry).
DE MONTPELLIER, GÉRARD (Psychology).
DE MOOR, PIETER (Internal Medicine, Dietetics).
DE MUYLDER, CHARLES (Minor Surgery, Pathological Surgery and Therapeutics).
DE NAYER, PAUL (Biometry of Physical Training).
DENYS, PIERRE (Children's Diseases).
DEQUEKER, RAPHAEL (Pharmacy).
DEREYMAEKER, ALBERT (Neurology).
DE SOMER, P. (Bacteriology).
DE VISSCHER, MICHEL (General Pathology).
DE WULF, A. (Psychiatry).
DUPONT, A. (Dermatology).
FÉRIN, J. (Gynaecology).
GUNS, PAUL (Oto-Rhino-Laryngology).
GYSELEN, A. (Pathology and Therapeutics, Internal Disease).
HAVEN, E. (Dermatology).
HERS, G. (Physiological Chemistry).
HINNEBERT, P. (Surgical Pathology).
HOET, JOSEPH (Clinical Medicine, Internal Pathology).
JOOSSENS, JOSEPH (Internal Pathology and Therapeutics).
LACQUET, ALBERT (Clinical Surgery).
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LAMBIN, PAUL (Internal Pathology and Therapeutics, Clinical Medicine).
LAVENNE, F. (Internal Pathology).
LEDERER, J. (Internal Diseases, Dietetrics).
LEFEBVRE, E. (Pharmacology).
MAISIN, JOSEPH (Pathological Anatomy, Physiotherapy, Radiotherapy).
MASY, S. (Physiotherapy).
MERTENS DE WILMARS, CHARLES (Industrial and Professional Psychology).
MICHOTTE, L. (Rheumatology).
MORELLE, JEAN (Clinical Surgery).
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PUTZEYS, PAUL (Medical Chemistry, Biological Chemistry).
RENAER, MARCEL (Gynæcology, Obstetrics).
ROUSSE, C. (Tropical Medicine).
SCHOCKAERT, JOSEPH (Gynæcology, Obstetrics).
SIMONART, ANDRÉ (General Therapeutics, Pharmacology).
VAN CAMPENHOUT, ERNEST (Embryology, Histology, Anatomy).
VANDENBROUCKE, JOZUÉ (General Pathology, Clinical Medicine).
VAN DER SCHUEREN, GÉRARD (Anatomy, Radiothreapy).
VAN DE VYVER, LÉON (Stomatology).
VAN DE WALLE, J. (Anaesthesiology).
VAN GEHUCHTEN, PAUL (Neurology).
VERDUYN, H. (Urology).
WELLENS, P. (Radiodiagnostics).

Faculty of Philosophy and Letters:

AERTS, JAN A. (Latin, General and Classical Methodology History of Pedagogy).
AERTS, J. J. (History of Modern Literature).

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AUBERT, ROGER (Ecclesiastical History).
CAPPUYNS, M. (Mediæval Theology).
DE AMACHE, F. (Moral Philosophy).
DELLAERT, R. (Scientific study of delinquent children).
DENIS, VALENTIN (Archæology and History of Art).
DE RAEYMAEKER, LOUIS (Philosophy, General Metaphysics).
DE RUYT, FRANZ (Latin Literature, Classical Archæology).
DE WAELHENS, ALPHONSE (History of Modern Philosophy, Logic, Epistemology).
D'ESPALIER, VICTOR (Experimental Didactics, Pedagogical Methods).
DOPP, JOSEPH (Logic, Modern Philosophy).
DRAYE, HENRI (German Language and Literature).
FAUVILLE, ARTHUR (Psychology, Pedagogy).
FRANKARD, P. (Organisation of Teaching).
GARITTE, GÉRARD (Greek Palæography, Coptic Language).
GEERTS, VICTOR M. (Pedagogical Authors).
GÉNICOT, LÉOPOLD (Modern History, History of Belgium, Mediaeval Latin).
GIELE, M. (Ancient Philosophy, Metaphysics).
GILLIAN, G. (French, Romance Languages).
GILLE, A. (Pedagogy).
GROULT, PIERRE (Mediæval French Literature and Philology).
HAAG, H. (Contemporary History).
HANSE, JOSEPH (French Literature and History of Mediæval Literature).
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HOFINGER, MARCEL (History of Asian Science, Greek Literature).
JODOGNE, OMER (History of French Grammar, Dialectology).
KNOPS, LÉOPOLD (Psychology).
KRIEKEMANS, ALBERT (Psychology and Logic).
LAMOTTE, ETIENNE (Oriental Philology).
LAROCHE, J. (Psychology).
LAVALLEYE, JACQUES (History of Art and Archæology).
LENAERTS, RENÉ (Musicology).
LOUSSE, EMILE (Contemporary History, History of Law).
MANIET, ALBERT (Celtic Literature, Comparative Grammar).
MERTENS, J. (Pre-History).
MEUNIER, JULES (Methodology, History of Pedagogy).
MICHAUX, MAURICE (Latin Literature, Ancient History, Epigraphy).
MOELLER, CHARLES (Dogmatics, Literature).
MOGENET, JOSEPH L. (History of Latin Literature, Greek Authors).
NASTER, PAUL (Archæology and History of Art).
NUTTIN, JOSEPH (General and Experimental Psychology, Social Psychology).
PAUWELS, JEAN-LOUIS (Phonetics, Dutch Philology, German Methodology).
PEETERS, K. (Folklore, Musicology).
PEREMANS, WILLY (Ancient History, Greek Epigraphy, Papyrology).
POUILLIART, ROBERT (History of French Literature).
REEKMANS, ANTON (Latin Literature, Greek Palaeography).
ROELANDTS, KAREL (Onomastics, Gothic, History of Dutch Grammar).
ROMBAUTS, EDOUARD (History of Dutch Literature).
RUWET, JOSEPH (Modern and Contemporary History).
RYCKMANS, J. (Comparative Grammar of Semitic Languages).
SCHEURWEGHS, GASTON (English Philology and Language).
TORHOUDT, ALBERT (Greek Authors and Literature).
VAN BULCK, V. (African Enthology).
VAN COETSIM, F. (Phonetics).
VAN DER ESSEN, A. (Commercial Politics).
VAN DER HEYDEN, JAN (English and American Literature).
VAN HOUTTE, JEAN (Geography, History of Belgium and of the Middle Ages).
VAN RIET, GEORGES (Logic, Epistemology).
VAN'T DACK, EDMOND (Roman Institutions, Greek and Latin Epigraphy).
VAN WINDEKENS, ALBERT (Classics and Oriental Philology).
VERBEKE, GÉRARD (Philosophy and Metaphysics, Ancient Philology).
VERGOTE, A. (Epistemology).
VERGOTE, JOSEPH (Papyrology, Greek and Coptic Language).
WYLLEMAN, ANDRÉ (Moral Philosophy, Encyclopaedia of Philosophy).

Faculty of Science:

ALARDIN, FÉLIX (Descriptive Geometry, General Mathematics).
ANTOINE, RAYMOND (Forestry).
BAEYENS, JOSEPH (Agrology and Pedology).
BALLIEU, ROBERT (Projective Geometry, Algebra, Mathematical Analysis).
BOON, C. (Special Rural Economy).
BORGERS, ALPHONSE (Mathematics, Logistics).
BOUCKAERT, LOUIS (Elasticity, Theoretical Physics).
BRECKPOT, RAYMOND (Inorganic and Analytical Chemistry).
BRICHET, L. (Silviculture).
BRUYLANTS, ALBERT (General Chemistry, Organic Chemistry).
BUBLOT, G. (Agriculture).
BUFFEL, KAREL (Systematic Botany).
CAPRON, PAUL (Experimental Physics, Radio-active Phenomena, Nuclear Physics and Chemistry).
CARLIER, A. (Vegetable Biochemistry).
COLARD, JEAN (Economics applied to Science).
DEBAUCHE, HUBERT (Systematic Zoology).
DE BÉTHUNE, PIERRE (Geology, Hydrology, Mineralogy and Petrography, Physical Geography).
DE BOCK, ALPHONSE (Physics).
DE CLERCK, JEAN (Analytical Chemistry, Brewing).
DE HEMPTINNE, MARC (Nuclear Physics and Spectroscopy).
DELFOSSE, JEAN-MARIE (Nuclear Physics, Geometry).
DEMAL, J. (Zoology).
DEPRIT, A. (Astronomy).
DE SMET, PIERRE (Construction).
DEURINCK, R. (Applied Descriptive Geometry).
DE VUYST, ALBERT (General and Special Zootechnics).
D'OLIESLAGER, JOHN (Physics, Analytical Mechanics).
DONDEYNE, JOSEPH (Physiochemistry).
DUMON, AIMÉ (General Agriculture, Genetics).
ESTIENNE, P. (General and Comparative Agriculture).
ESTIENNE, VICTOR (Biological Chemistry, Phytopharmacy).
FLORIN, HENRI (Differential and Integral Calculus).
FRATEUR, JOSEPH (Distilling Industries, Technology of Agricultural Industries).
FRIPIAT, JOSÉ (Physical Chemistry of Soil).
GEUKENS, FERDINAND (Geology, Crystallography).
GILLES, ANDRÉ (Systematic Botany).
GODART, ODON (Astronomy, Meteorology).
GULLENTOPS, FRANZ (Geology, Physical Geography, Prehistoric Archæology).
HEUTS, JOSEPH (Genetics, Plant Breeding, Limnology).
HUET, M.)Pisciculture).
JUNGERS, CHARLES (Physical Chemistry, General Inorganic Chemistry).
KAISIN, FÉLIX J. (Geology).
KOCH, HENRI (Zoology).
LADRIÈRE, JEAN (Cosmology, Social Philosophy).
LAUDELOUT, H. (Soil Biochemistry).
LEBRUN, J. (General Ecology).
LECOMPTE, MARIUS (Palæontology, Mineralogy, Geology).
LEFÊVRE, M. (Human Geography).
LEMAÎTRE, GEORGES (Mathematical Methodology, Calculus, Analytical Mechanics, History of Mathematical and Physical Sciences).
LONTIE, RENÉ (Analytical Chemistry).
LOUIS, ARMAND (General Botany).
MACQ, P. (Electronics, Analytical Geometry).
MALCORPS, GEORGES (Rural Engineering, Graphic Statics).
MANNEBACK, CHARLES (Mathematical Physics, Electrical Theory).
MARIËNS, PAUL (Mathematics, Analytical Mechanics, Physics).
MARTENS, PIERRE (Vegetable Palæontology, General Mycology, Systematic Botany).
MULLENDERS, WILLIAM (Botany, Agriculture and Tropical Biology).
OPSOMER, JOSEPH (Colonial Agriculture).
POLSPOEL, GASTON (Geography).
ROBYNS, WALTER (Botany).
SIMONART, FERNAND (Mathematics).
SIMONART, PAUL (General and Special Microbiology, Scientific Dairying).
SMETS, GEORGES (Organic Chemistry, Applied Organic Chemistry).
STANER, P. (Tropical Phytopathology).
VAN BOUCHOUT, VINCENT (Analytical Geometry, Graphic Statics).
VAN BOVEN, J. (General and Special Entomology).
VAN BREDA, H. (Cosmology).
VANDEBROEK, GEORGES (Comparative Anatomy).
VAN HIMBEECK, CLÉMENT (Agricultural Engineering).

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VAN HOOF, ARMAND (Topography, Geodesy, Mathematical Geography, Astronomy).
VAN ITTERBEEK, AUGUSTIN (Mathematical and Theoretical Physics, Analytical Mechanics).
VAN MEERSSCHE, MAURICE (Crystallography, Physical Chemistry).
VAN PAEMEL, O. (Mathematics).
VAN TIGGELEN, ADOLPHE (General Inorganic and Analytical Chemistry, Spectrochemistry).
VERHAEGEN, L. (Physics).
VERHULST, GEORGES (General Inorganic and Organic Chemistry).

Faculty of Applied Sciences:

BELEVITCH, W. (Telecommunications).
BUCKENS, FÉLIX (Applied Mathematics, Design and Construction of Machines).
DAUWE, ROBERT (Naval Constructions).
DE BEER, EDOUARD (Construction Hydraulics).
DE BRUYN, HENRI (Electric Machinery).
DE CUYPER, JACQUES (Mechanical Preparation of Ores and Coal).
DE GREVE, LOUIS (Mathematics and Mechanics).
DEMEURE DE LESPAUL, CHARLES (Mining).
DERUYTTER, A. (General Metallurgy and Siderurgy).
DE STRIJCKER, ROBERT, (Metallurgy and Metallography).
FÉLIX, PAUL (Architecture).
FEYTMANS, GÉRARD (Hydraulics).
FRACY DE VEUBEKE, BAUDOUIN (Hydrodynamics and Aerodynamics).
GILLON, EDGARD (Electricity, Telegraphy and Telephony).
HELLINCKX, LÉON (Industrial Chemistry).
HORMIDAS, ALBERT (Construction).
HOUBERECHTS, ANDRÉ (Thermodynamics, Machine Construction).
LEMAIRE, RAYMOND (Architecture and Archæology).
LUYCKX, ANDRÉ (Physics, Nuclear Chemistry).
MOREAU, JULES (Mineralogy, Applied Geology).
MORREN, LUCIEN (Electrotechnics).
PASSELECQ, DENIS (Resistance of Materials).
PEPERMANS, GEORGES (Architecture).
PÉTERS, JACQUES (Industrial Mechanics).
PIETERMAAT, FRANÇOIS (Electricity, Telegraphy and Telephony).
REYNTJENS, GENTIL (Industrial Construction, Hydraulics).
ROUCHE, NICOLAS (Analytical Mechanics).
VAN CAUTEREN, RICHARD (Construction and Design of Machinery).
VAN DER WAETEREN, THÉODORE (Thermotechnic Laboratory).
VAN HOUTE, ANDRÉ (Industrial Electrochemistry).

Faculty of Economic and Social Sciences:

BAECK, L. (Economic analysis of developing countries).
BAPTIST, J. (Actuarial Mathematics).
BEUMIER, A. (Insurance Mathematics).
BÉZY, F. (Economic Structure of the Congo).
BONVOISIN, P. (Money and Banking).
CARDYN, J. (Business Organisation).
COPPE, A. (Statistical Analysis).
DE CREEFT, F. (Actuarial Mathematics).
DE GUCHTENEERE, A. (Financial Penal Law).
DE JONGHE, E. (Social Philosophy, History of Social Thought).
DELVAUX, E. (Industrial Technology).
DEREUME, E. (Accountancy, Industrial Economy).
DE VOGHEL, F. (Financial and Economic Policy of Great States).
DE VOLDER, N. (Belgian Social History).
DRIZE, J. (Statistical Analysis).
DUBOIS, P. (Financial Legislation).
HOUBEN, R. (International Labour Legislation).
LEYSEN, V. (Commercial and Maritime Law).
LENARD DE GUERTECHIN, C. (Fiscal Legislation).
LOEYS, M. (Political Economy).
MAHIEU, P. (International Transactions).
MAS, A. (Commercial Arithmetic, Accountancy, Industrial Economy).
MASOIN, M. (National Income, Economic Organisation).
MERTENS DE WILMARS, J. (Economics).
MICHEL, M. (Mathematical Methods in Business Administration).
MOLITOR, A. (History of Belgian Administrative Institutions).
NICAISE, A. (African Political Problems).
PIERRE, J. (Organisation of Management).
URBAIN, Y. (Belgian Social History, Economic History).
VAES, U. (Industrial Planning and Management).
VANDENBORRE, H. (Transport Economics).
VAN DER BRUGGEN, C. (Criminal Statistics).
VANES, R. (International Economics).
VAN GESTEL, C. (Social Teaching of the Church).
VAN MECHELEN, F. (Demography, Sociology, Statistics).
VERCYCKEN, F. (Actuarial Mathematics).
WOITRIN, M. (International Trade, Theory of Employment).

ATTACHED SCHOOLS:

Institut Supérieur de Philosophie (*Higher Institute of Philosophy*): 2 place Cardinal Mercier, Louvain; f. 1889; library of 40,000 vols.; publ. *Revue Philosophique de Louvain.*
President: Mgr. L. DE RAEYMAEKER.

Institut Supérieur des Sciences Réligieuses (*Higher Institute of Religious Sciences*): f. 1945.
President: Prof. A. HOUSSIAU.

Ecole des Sciences Politiques et Sociales (*School of Political and Social Sciences*), attached to the Faculty of Economic and Social Sciences; 41 rue de Tirlemont, Louvain; f. 1892; library of 7,500 vols.; publ. *Annales de Droit et de Sciences politiques.*
President: Prof. O. DE RAEYMAEKER.

Institut des Sciences Familiales et Sexocologiques (*Institute of Family and Sex Sciences*): f. 1961.
President: J. A. SCHOCKAERT.

Ecole de Criminologie (*School of Criminology*), attached to the Faculty of Law; f. 1919.
President: Prof. P. BONDUE.

Institut Agronomique (*Agronomical Institute*), attached to the Faculty of Science: 72 Avenue Cardinal Mercier, Heverlee; f. 1878; publ. *Agriculture* (each term).
Persident: Prof. J. E. OPSOMER.
Director: Prof. J. DONDEYNE.

Institut des Sciences Economiques (*Institute of Economics*): attached to the Faculty of Economic and Social Sciences; 2 rue des Doyens, Louvain; f. 1929.
President: Prof. J. MERTENS DE WILMARS.

Institut des Sciences Economiques Appliquées (*School for Applied Economics*), attached to the Faculty of Economic and Social Sciences; 2 rue des Doyens, Louvain; f. 1897.
President: Prof. P. MAHIEU.
Director: Prof. U. VAES.

Institut des Sciences Actuarielles (*Institute of Actuaries*).
President: Prof. F. VERCYCKEN.

Institut Supérieur d'Archéologie et d'Histoire de l'Art: attached to Faculty of Philosophy and Letters; rue des Flamands 91, Louvain; f. 1942.
President: Prof. J. LAVALLEYE.

Institut Orientaliste (*Institute for Oriental Studies*), attached to Faculty of Philosophy and Letters; f. 1936; publs. *Le Muséon* (periodical), *Bibliothèque du Muséon.*
President: Prof. J. VERGOTE.

Institut de Psychologie et de Pédagogie (*Institute of Psychology and Pedagogy*), attached to the Faculty of Philosophy and Letters; 96 rue de Tirlemont, Louvain; f. 1926.
President: Prof. A. FAUVILLE.

Institut Africaniste (*African Institute*), attached to the Faculty of Philosophy and Letters; f. 1951.
President: Prof. V. VAN BULCK.

Institut Supérieur du Travail (*Higher Institute of Business Management*); f. 1951.
President: Prof. P. LAMBIN.
Director: Prof. P. MAHIEU.

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Institut Interfacultaire d'Urbanisme et d'Aménagement du Territoire (*Inter-Faculty Institute on Urbanisation and Local Government*): f. 1960.
President: Prof. G. Pepermans.

Institut d'Etude des Pays en Développement (*Study Institute of Developing Countries*): f. 1963.
President: Prof. G. Malengreau.

Ecole d'Educateurs (*School of Physical Training*); f. 1940; 101 Bd. de Tervueren.
Director: Prof. P. De Nayer.

Institut d'Etudes Paramédicales (*Institute of Paramedical Studies*): f. 1949.
Director: Prof. P. De Somer.

COLLEGES

ÉCOLE DES HAUTES ÉTUDES COMMERCIALES ET CONSULAIRES

21 RUE SOHET, LIÈGE

Founded 1898.

President: A. Neef de Sainval.
Vice-President: V. Vienne.
Director: Léonce Waha.
Rector: René Demeuse.
Treasurer: Jean Rikar.
Secretary: Roger Mottoulle.
Librarian: Jose Minsart.

The library contains 5,200 volumes.
Number of teachers: 32 professors.
Number of students: 162 men, 15 women, total 177.

ÉCOLE ROYALE MILITAIRE

AVENUE DE LA RENAISSANCE 30, BRUSSELS

Telephone: 33.97.94.

Founded 1834.

Commandant: Major-General E. Velghe, A.D.C. to the King.
Vice-Commandant: Colonel Aviator Bem H. Utens.
Director of Military Instruction: Lieut.-Col. R. Soudant.
Director of Studies: Col. E. Engelen.

Number of teachers: 116, including 47 professors.
Number of students: 432.

Full Professors:

Baetsle, P. L. (Geodesy, Topography, Astronomy).
Belche, L. N. A. N. A. (Construction).
Bernard, H. (Military and Contemporary History).
Charles, J. E. (Telecommunications).
Coekelberghs, R. F. R. (General Chemistry).
Dath, J. R. (Ballistics and Firing Techniques).
De Greve, M. (French Language and Literature).
Dery, M. A. G. (Electricity and Electro-technology).
Dorsimont, A. E. A. J. G. (Telecommunications).
Dufour, G. (Armament Techniques).
Franckx, E. M. (Mathematical Analysis and Probabilities).
Gijsen, E. J. M. (Construction and Resistance of Materials).
Godfrind, P. E. D. G. (Balistics and Firing Techniques).
Lamberty, M. C. G. (Social, Economic and Political Problems in Modern Societies).
Lamine, T. P. O. (Mathematics).
MacDonnelle, A. (Mathematics)
Scheere, J. L. R. G. (Geology and Geography).
Sibenaler, E. (Mechanical Transport).
Thomas, E. (Physics. Director of Nuclear Centre).
Tits, E. M. J. V. C. (Applied Chemistry).
Van Den Bergen, G. R. J. (Rational Mechanics).
Van Passel, F. (Dutch Language and Literature).
Van Wambeke, A. E. V. (Construction and Soil Mechanics).

FACULTÉ POLYTECHNIQUE DE MONS

RUE DE HOUDAIN, MONS

Founded 1837

President of the Board: E. Cornez (Governor of Hainaut).
Rector: Prof. P. Houzeau de Lehaie.
Secretary: J. Libioulle.

Library: *see* Libraries.
Number of teachers: 61, including 31 professors.
Number of students: 289 men.

Dean: Prof. R. Marlière.

Professors:

Baland, J. (Applied Mechanics).
Barbenson, W. (Mathematical Analysis).
Beugnies, A. (Applied Geology).
Boite, R. (Industrial Electricity).
Boulanger, G. (Machine Engineering, Industrial Design Mechanical Computing).
Brison, Léon (Mining Engineering).
Cogneaux, M. (Electronics).
Degesves, Armand (General Electrotechnics).
Delattre, Robert (Theoretical Mechanics).
Delval, J. (Descriptive Geometry).
Derwidue, Léon (Higher Algebra).
Dessart, Victor (Applied Mechanics).
De Vriendt, Louis (Fuels and Heat Engineering).
Forbat, N. (Theoretical Mechanics).
Franeau, J. (Physics).
Grégoire, C. (Industrial Electricity).
Homes, Georges (Physics of Materials).
Houzeau, P. (Metallography).
Jacobs, P. (Electricity, Electrical Measurement).
Jacquemin, René (Elasticity, Strength of Materials, Principles of Building).
Lefebvre, S. (Applied Chemistry).
Maquestiau, A. (Organic Chemistry).
Marlière, René (Geology, Stratigraphy and Palæontology).
Meunier, C. (Elasticity, Strength of Materials, Principles of Building).
Meunier, L. (Electro-Chemistry, Nuclear Metallurgy, Non-Ferrous Metallurgy, Physical Chemistry).
Moiset, P. (Mechanical Preparation of Coal and Ore Dressing).
Molle, Raoul (Mechanical Engineering; Technology and Applied Metrology).
Vandael, C. (Analytical and Industrial Chemistry).
Vilain, A. (Metallurgy).
Winkler, Paul (General and Physical Chemistry).
Wiser, P. (Astronomy, Geodesy, Topography, Probabilities, Statistics).

FACULTÉS UNIVERSITAIRES NOTRE-DAME DE LA PAIX

61 RUE DE BRUXELLES, NAMUR

Founded 1831.

Rector: André Wankenne.
Secretary and Treasurer: Camille-J. Joset.

Library: *see* Libraries.
Number of teachers: 23 professors.
Number of students: 546 men and women.

Publications: *Les Etudes Classiques* (quarterly), *Bibliothèque de la Faculté de Philosophie et Lettres de Namur* (3 vols. a year), *Studia Pacis* (2 vols. a year), *Natura Mosana* (quarterly).

Faculty of Philosophy and Letters

Dean:

Jules van Ooteghem.

Professors:

Boland, A. (Belgian History, Historical Criticism, Economic and Social History).
Dasnoy, A. (Archæology).
de Dorlodot, Baron Ch. (Civil Law, Philosophy of Law).

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DE JONG, M. (Dutch and Modern Literature, Dutch Philology and Language).
DOUCET, J. (Romance Philology).
GHEQUIERE, A. (Art).
GUILLAUME, J. (Modern Literature, French Literature and Romance Philology).
HANOT, M. (German Philology and Language).
JOSET, C.-J. (Mediæval, Modern and Contemporary History, Introduction to Belgian Public Law).
LAHAYE, E. (Theology and Philosophy).
LORIAUX, R. (Greek).
MAON, P. (Roman Law).
ORTEGAT, P. (Philosophy).
SOMERS, L.-H. (Dutch Philology, English Philology and Language).
VAN OOTEGHAM, J. (Latin).
WANKENNE, A. (Roman History).

Faculty of Economics

DEAN:
CAMILLE-JEAN JOSET.

PROFESSORS:

CALONNE, A. (Mathematics elementary).
CEREXHE, E. (Private Law, Commercial Law).
DELFOSSE, M. (Advanced Mathematics for Economists).
KERVYN DE LETTENHOVE, BARON A. (Political Economy).
LAMFALUSSY, E. (Economic Principles II).
MAIRLOT, E. (Mathematics for Economists).
MINON, P. (Sociology).
QUEVRIN, E. (Economic Principles I).
RAES, J. (Natural Law, Social Philosophy, Capitalism, Socialism and Other Contemporary ideas, Christian Thought on Society, Economics and Politics, Economic Philosophy).
SCHAWRTZ, R. (Accounting, German Language).
STEVENS, A. (English Language).
VAN GINDERACHTER, J. (Statistics).

Faculty of Sciences

DEAN:
PROSPER COLMANT.

PROFESSORS:

COLMANT, P. (Chemistry).
COURTOY, CH. (Physics).
DECONNINCK, G. (Analytical Geometry).
DENIS, J. (Geography).
GRIFFE, M. (Chemistry).
GROSJEAN, A. (Geology).
LENOBLE, FR. (Philosophy).
LHOAS, P. (Botany).
MEESSEN, A. (Physics).
MERSCH, V. (Physics).
SCHONNE, A. (Organic Chemistry).

Faculty of Medicine

DEAN:
ROGER TROISFONTAINES.

PROFESSORS:

BAUCHAU, A. (Zoology and Comparative Anatomy, Questions of Biology).
BERBEN, J. (Systematic and Topographic Anatomy).
ELENS, A. (General Physiology, Genetics, Anthropology).
LAMMERANT, J. (Special Physiology, Statistics).
LELOUP, R. (Histology, Embryology).
TROISFONTAINES, R. (Theology, Psychology).
WATILAUX, R. (Physiological Chemistry).

ASSOCIATE COLLEGE

Institut St. Bellarmin (*Classical Philology*): La Pairelle, Wépion-sur-Meuse; f. 1935.
Rector: F. LAMBERT.

HOGERE TECHNISCHE BROUWERIJSCHOOL SINT LIEVEN

(Higher Technical School of Brewing and Chemistry)

GHENT, GILDESSTRAAT 7

Founded 1892.

Rector: Dr. Prof. W. T. BLANCQUAERT.
Secretary: L. JANSSENS.
Librarian: T.Ing. A. INGELS.

The library contains 2,720 volumes (technical books).
Number of teachers: 30, including 10 professors.
Number of students: 420 men and women.

Publication: *Internationaal Tijdschrift voor Brouwery en Moutery* (International Revue of Brewing and Malting).

INSTITUT AGRONOMIQUE DE L'ÉTAT

GEMBLOUX

Rector: J. BONNET.
Pro-Rector: A. LECRENIER.
Secretary of Academic Council: CH. DRICOT.

Library: *see* Libraries.
Number of teachers: 40, including 30 professors.

PROFESSORS:

ANSIAUX, J.
BLANJEAN, L.
BONNET, J.
BOUDRU, M.
BRENY, R.
CASIMIR, J.
COPPENS, R.
CORIN, C.
DEBUISSON, J.
DONIS, C.
DRICOT, C.
FOUARGE, J.
GERLACHE, L.
HENNAUX, L.
HENUSSE, TH.
HESPEL, M.
LALOUX, R.
LAROSE, E.
LECLERCQ, J.
LECRENIER, A.
MANIL, G.
MANIL, P.
MARTENS, P.
NOIRFALISE, A.
RENARD, M.
SINE, L.
STOFFELS, E.
TEGHEM, J.
VANDENBRUEL, W.
VANDERWALLE, R.
WILLAM, A.

INSTITUT DES HAUTES ÉTUDES DE BELGIQUE

65 RUE DE LA CONCORDE, BRUSSELS

Founded 1922.

President: PAUL BRIEN.
Vice-President: ALFRED ERRERA.
Treasurer: Mlle EUGÉNIE HAUMAN.
Secretary: CHARLES VAN DEN BORREN.

DIRECTORS OF SECTIONS:

Mathematics, Mechanics, Astronomy:
ALFRED ERRERA.
ÉMILE HENRIOT.
PAUL GILLIS.
TH. LEPAGE.
Number of Professors: 5.

Physics and Chemistry:
Mlle LUCIE DE BROUCKÈRE.
LÉON DELANGE.
EMILE HENRIOT.
GEORGES HOMÈS.
ILYA PRIGOGINE.
Number of Professors: 9.

Natural Science:
PAUL BRIEN.
Dr. JULES BORDET.
Dr. PAUL BORDET.
Dr. ALBERT DALCQ.
PAUL DUVIGNEAUD.
PIERRE GOUROU.
Number of Professors: 14.

History and Philology:
PAUL BONENFANT.
CHARLES DELVOYE
FRANÇOIS GANSHOF.
GEORGES SMETS.
Number of Professors: 16.

Sub-section Archaeology and Oriental Languages:
GEORGES DOSSIN.
Number of Professors: 14.

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Social, Political, Economic and Juridical Sciences:
SERGE CHLEPNER. HENRI JANNE.
PAUL CORNIL. GEORGES SMETS.
Number of Professors: 18.
Philosophy, Ethics, Pedagogy:
EUGÈNE DUPRÉEL.
Number of Professors: 5.
Arts and Letters:
CHARLES VAN DEN BORREN ROLAND MORTIER.
Mlle SUZANNE SULZBERGER.
Number of Professors: 15.
Industrial Psychology:
JOSÉ DRABS. W. TORDEUR.

Ecole d'Ergologie: 65 rue de la Concorde, Brussels, f. 1925.

INSTITUT DE MÉDECINE TROPICALE PRINCE LÉOPOLD

155 RUE NATIONALE, ANTWERP

Founded by Royal Decree in 1931.

President: R. DECLERCK.
Vice-Presidenst: W. KOELMAN, J. WILLEMS.
Director: Prof. Dr. P. JANSSENS.
Secretary: A. GRARE.
Librarian: G. ROELANTS.

Number of teachers: 17, including 10 professors.

PROFESSORS:

FAIN, Dr. A. (Medical Zoology).
JADIN, Dr. J. (Protozoology and Haematology).
JANSSENS, Dr. P. (Tropical Pathology).
LIMBOS, P. (Tropical Medicine).
MORTELMANS, J. (Veterinary Pathology).
PATTYN, Dr. S. R. (Bacteriology, Virology).

Clinique Léopold II: 43 rue Kronenburg, Antwerp; forms an annexe to the Institut de Médecine Tropicale Prince Léopold; treats patients from the Colonies.
Director: Prof. Dr. P. JANSSENS.

INSTITUT GRAMME DE LIÈGE

(School of Engineering)

1 QUAI DU CONDROZ, ANGLEUR-LEZ-LIÈGE

Founded 1906.

Principal: FRANCIS LAUWERS, S.J.
Vice-Principal: PIERRE JANVIER, S.J.
Secretary-General: JACQUES GARSOUS.
Librarian: MARCEL TARGNION.

The library contains 11,000 volumes.
Number of teachers: 40.
Number of students, 295.
Publications: *Le Bulletin technique* (bi-monthly), *Les Nouvelles de chez nous* (monthly), *Annuaire.*

PROFESSORS: (Full-Time)

BLANJEAN, GUY (Chemistry).
CHARLIER, EMILE (Machine Design and Metallography).
CUYPERS, PIERRE (Calculus and Analytic Geometry).
DANGUY, J.-L. (Chemistry).
DAUBY, OMER (Electricity).
*DELVAUX, PIERRE (Mathematics).
DUSSART, J. (Electricity).
HARDY, THOMAS (Machine Design).
JANVIER, PIERRE (Thermodynamics and Applied Mechanics).
KATTUS, RENÉ (Machine Design).
*LABARRE, M. (Mathematics).
LATHUY, L. (Electricity).
MALBRANT, EDMOND (Strength of Materials and Theory of Structures).
MINETTE, MARCEL (Physics and Mechanics).
*RION, RICHARD (Mathematics).

* Preparatory Course.

INSTITUT SAINT-LOUIS

BOULEVARD DU JARDIN BOTANIQUE 38, BRUSSELS

Founded 1858.

Rector: Monseigneur MAURICE GOFFOEL.

Faculté Universitaire de Philosophie et Lettres

Secretary: Chanoine PAUL REUSENS.

The library contains 90,000 volumes.
Number of teachers: 12 professors.
Number of students: 201 men, 150 women, total 351.

PROFESSORS:

LEGRAND, J. (Classical Philosophy of Greece).
MAISTRIAUX, R. (Law; Civil Law).
MATHIEU, M. (French Literature, Foreign Literature).
MEUNIER, J. (Classical Philology for Greek).
REUSENS, P. (Philosophy and Law).
SCHOONJANS, J. (Modern History, Italian, Spanish).
SIMON, A. (Mediæval History, Modern Belgian History).
VAN BUNNEN, G. (Roman Law).
VAN CAMP, H. (Logic and Psychology).
VAN DEN BRUWAENE (Classical Philology for Latin).
VERMEYLEN, A. (Roman Philosophy).
WARZÉE, P. (Art—Archaeology).

Ecole des Sciences Philosophiques et Religieuses

Founded 1925.

Secretary: Chanoine HENRI VAN CAMP.

Number of teachers: 11 professors.
Number of students: 140 men, 196 women, total 336.

PROFESSORS:

DE CERF, PAUL (Theory of Knowledge).
DE KEYSER, EUGENIE (Aesthetics).
GIELLE, MAURICE (History of Philosophy).
GUELLUY, ROBERT (Catholic Dogma).
HANSOUL, BERNARD (Metaphysics).
LAROCHE, JEAN-LOUIS (Special Psychology).
LE BON, DANIEL (Introduction to Philosophy).
MAISTRIAUX, ROBERT (Psychology).
REUSENS, PAUL (Social Philosophy).
RIGAUX, BEDE (Catholic Dogma).
SIMON, ALÖIS (Ecclesiastical History, Theology).

L'INSTITUT SUPÉRIEUR DE COMMERCE DE L'ÉTAT À ANVERS

41 RUE DES PEINTRES, ANTWERP

Founded 1852; recognised by the law of February 26th, 1923.

Director: FR. CAMERLINCKX.
Secretary: L. BRANCKAERTS.
Comptroller: L. SCHIFFERS.

Number of teachers: 70 professors.
Number of students: 680.
Publication: *Annuaire.*

All courses are given in French and in Dutch separately.

INSTITUT SUPÉRIEUR DE COMMERCE SAINT-IGNACE

13 RUE DU PRINCE, ANTWERP

Founded 1852.

Rector: STEPHEN DHANIS.
Principal: ADRIAN TAYMANS.
Treasurer: KAREL CALMEYN.

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Secretary: André Couturier.
Librarian: Louis Baudez.

The library contains 70,000 volumes.
Number of teachers: 89, including 34 professors.
Number of students: 806 men.

Publications: *Annuaire Economisch en Sociaal Tijdschrift, Jaarboek.*

Full Professors:

Baudez, Louis (Transport, Port Economy).
Burm, R. (Technology).
Claus, Honoré (Mathematics).
De Cuyper, Karel (Book-keeping).
Delbaere, Gerard (Russian and German).
De Mey, Jules (Economics).
Lenders, Piet (Economic History).
Lissens, René (Dutch and German Languages).
Motmans, R. (French Language).
Ponette, J. (French).
Quanjard, P. (Commercial Law).
Reymen, G. (Statistics).
Roose, Lode (English Language).
Ruys, P. (Diplomatic History).
Schyvens, August (Spanish Language).
Steenbergen, G. J. (Dutch).
Taels, Joris (German and Swedish).
Talden, W. (Geography).
Van Ackere, Jules (Italian).
Van den Eede, André (Mathematics, Statistics).
Van Elslande, E. (French).
Vanosmael, P. (English).

INSTITUT SUPÉRIEUR COMMERCIAL ET CONSULAIRE

GRAND' PLACE 23, MONS
Telephone: (065) 359.58.
Founded 1896.

Rector: Monseigneur Daubin.
Secretary-General: P. Dubois.

The library contains 10,000 volumes.
Number of professors: 53.
Number of students: 263.

Publication: *Etudes Economiques* (published each term).

INSTITUT TECHNIQUE SUPÉRIEUR DE L'ÉTAT

RUE DE SÉROULE 8, VERVIERS

Specialist school for training engineers and technicians in chemistry and textiles.

Director: G. Schyns.

INSTITUT UNIVERSITAIRE DES TERRITOIRES D'OUTRE-MER

(previously Université Coloniale de Belgique)
1 AVENUE MIDDELHEIM, ANTWERP
Founded 1920.

President: Arthur Wauters.
Director: Georges Schmidt.

The University Institute remains in existence, but its activities have been in suspension for the last three years awaiting new directives from the Government.

RIJKSLANDBOUWHOGESCHOOL

(State Agricultural University)
COUPURE LINKS 235, GHENT
Telephone: 23.26.87
Founded 1920.

Rector: Prof. ir. K. L. Petit.
Pro-Rector: Prof. J. van den Brande.
Secretary: M. Slaats.
Librarian: G. Genie.

Library: *see* Libraries.
Number of teachers: 49, including 28 professors.
Number of students: 119.

Publication: *Mededelingen van de Landbouwhogeschool en de Opzoekingsstations van de Staat te Gent.*

Full Professors:

Alderweireldt, F.
Baptist, G.
Cortvriendt, S.
Cottenie, A.
De Boodt, M.
De Leenheer, L.
Derwael, F.
De Wilde, L.
Doorme, H.
Eeckhout, L.
Gillard, A.
Hendrickx, H.
Heyndrickx, G.
Kips, R.
Martin, J.
Moerman, J.
Petit, K.
Slaats, M.
Stryckers, J.
Van Den Brande, J.
Van Den Hende, A.
Van Holder, J.
Van Lancker, J.
Van Migroet, M.
Verbelen, A.
Verkinderen, A.
Voets, J.
Wilssens, A.

SCHOOLS OF MUSIC, ART AND ARCHITECTURE

Conservatoire Royal de Musique de Bruxelles: 30 rue de la Régence; f. 1832; 92 professors, 511 students; library of 200,000 vols.; museum of instruments; 3,500 exhibits; gives symphony concerts; Dir. M. Poot; Librarian A. Vander Linden; publ. *Annual Report.*

Conservatoire Royal de Musique de Gand; Hoogpoort 50; Ghent; f. 1879; Dir. Léon Torck; Admin. Sec. Mlle. A. de Clercq; 68 mems.; all branches of music.

Conservatoire Royal de Musique de Liège: rue Forgeur 14; f. 1826; Dir. M. Fernand Quinet; Admin. Sec. René Bohet; Adjnt. Sec. Albert Mawet; 44 professors; students taken from 8 years of age; all branches of music.

Ecole Nationale Supérieure d'Architecture et des Arts Décoratifs (*National School of Architecture and Decorative Art*): 21 abbaye de la Cambre, Brussels; f. 1926; Dir. Léon Stijnen; library, *see* Libraries.

Insas; 54 rue de Namur, Brussels 1; f. 1962; for advanced studies in dramatic art and broadcasting technique, including television; 2-4 year courses.

Koninklijk Vlaams Conservatorium van Antwerpen (*Royal Flemish School of Music*): St. Jacobsmarkt 11, Antwerp; f. 1898.
Director: Flor Peeters.
Administrator-Secretary: Dr. Aug. Corbet.
Library: *see* Libraries.
Number of professors: 64.
Number of students: men 277, women 254.
Publication: *Jaarverslag van het Koninklijk Vlaams Muziek-Conservatorium van Antwerpen.*

Nationaal Koger Instituut voor Bouwkunst en Stedebouw-Antwerpen (*National Higher Institute of Architecture and Town Planning*): Mutsaertstraat 31, Antwerp; developed by successive stages from Royal Academy of Fine Arts f. by Teniers in 1663; received present statute by Royal Acts of 1946 and 1952; library; Dir. J. Lauwers; Admin. L. Reynaerts.

National Hoger Instituut voor Schone Kunsten-Antwerpen (*National Higher Institute of Fine Arts*): Mutsaertstraat 31, Antwerp; f. 1887; Dir. M. Macken; Admin. L. Reynaerts; Scientific Librarian: G. Persoons.

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BOLIVIA

Population 3,509,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

La Paz

Academia Boliviana: fifteenth in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; Dir. RAFAEL BALLIVIÁN; Sec. and Treas. PORFIRIO DÍAZ MACHICAO; Censor JUAN QUIRÓS; mems. CASTO ROJAS, AUGUSTO GUZMÁN, JAVIER DEL GRANADO, ENRIQUE KEMPFF MERCADO, GUILLERMO FRANCOVICH, LUIS FELIPE LIRA GIRÓN, LUIS TABORGA, FERNANDO ORTIZ SANZ, MOISÉS ALCÁZAR, HUÁSCAR CAJÍAS KAUFFMANN, ENRIQUE SAINT LOUP, RODOLFO SALAMANCA, CARLOS GREGORIO TABORGA (elected), HUMBERTO PALZA (elected), EDUARDO ARZE QUIROGA (elected), LUIS FELIPE VILELA (elected); publ. *Revista.*

Academia Nacional de la Historia (*National Academy of History*): Avenida Abel Iturralde 205; f. 1929; 18 mems.; Pres. Dr. DAVID ALVESTEGUI; Sec.-Gen. Dr. HUMBERTO VAZQUEZ-MACHICADO.

Academia de la Lengua Aymara (*Acad. of the Aymara Language*).

Alianza Francesa: Avda. 6 de Agosto 594, Casilla 1517; Dir. J. LEDRU.

Amigos de la Ciudad (*Friends of the City Assen.*): Plaza del Teatro Núñez del Prado 576, Casilla 911; f. 1916; 518 mems.; Pres. HUMBERTO MUÑOZ CORNEJO; publ. *Boletín Informativo* (weekly).

Anglo-Bolivian Cultural Institute: Calle Bueno, esq. F. Zuazo; library.

Asociación de Arquitectos de Bolivia (*Assen. of Bolivian Architects*): Casilla 1498; f. 1942; 35 mems.; Pres. Arq. HUGO LÓPEZ VIDELA; Vice-Pres. Arq. GUSTAVO KNAUDT; Sec. Arq. FERNANDO CALDERÓN; Treas. Arq. GONZALO CISNEROS.

Deutsch-Bolivianisches Kulturinstitut: Casilla Correo 2195.

Centro Intelectual Galindo: Oficina Mapiri; f. 1924; Pres. ISMAEL SOTOMAYOR.

Círculo de Bellas Artes (*Fine Arts Centre*): Oficina Plaza Teatro; f. 1912; Pres. ERNESTO PEÑARANDA.

Consejo Nacional de Educación (*National Council for Education*): Yanacocha 475.

Dirección General de Estadística y Censos (*Department of Statistics*): Calle Ayacucho 55; f. 1897.

Estación Experimental de Agricultura (*Agricultural Experimental Station*): also at Santa Cruz, Cochabamba, Muyurina, Reyes and Riberalta.

Fundacion Universitaria "Simon I. Patino": Comercio 819, Casilla 1265; awards grants to assist Bolivian universities, students and culture; Pres. Dr. LUIS BALLIVIAN SARACHO; Sec.-Gen. Dr. ALBERTO SALINAS LOPEZ.

Instituto Criminológico de Bolivia (*Criminological Inst.*): f. 1914.

Instituto Geográfico Militar (*Inst. of Military Geography*): Colombia s/n.

Instituto Nacional de Comercio (*National Inst. of Commerce*): Campero 94; museum, library.

P.E.N. Club de la Paz (Centro Internacional de la Asociación P.E.N.) (*International P.E.N. Centre*): Calle Goitia 17, Casilla 149; f. 1931; 40 Bolivian mems., 7 from other South American countries; Pres. Dr. CASTO ROJAS; Vice-Pres. JOSÉ SALMÓN BALLIVIÁN; Sec. YOLANDA BEDREGAL DE CÓNITZER.

Sociedad Arqueológica de Bolivia (*Archaeological Soc. of Bolivia*): Av. Chacaltaya 500, Casilla 1487; Pres. Prof. ALBERTO LAGUNA MEAVE; Sec. Prof. ERNESTO ALIAGA SUÁREZ. The Society is divided into the following seven sections: Geology (Head, Rev. ANTONIO MARÍA SEMPERE), Palaeontology (Head, Dr. LEONARDO BRANISA M.), Anthropology (Head, Dr. MANUEL LIENDO LAZARTE), Prehistory (Head, Prof. MAX A. BAIRON), Folklore (Head, Prof. ANTONIO GONZÁLEZ BRAVO), Native Affairs (Head, Dr. REMMY RODAS EGUINO), Prehistoric Architecture (Head, Ing. GUSTAVO SANGINÉS); publ. *Anales de la Arqueología de Bolivia.*

Sociedad Geográfica de La Paz (*La Paz Geographical Soc.*): Casilla 632; f. 1889; Calle Tiahuanaco 12; depts. of Pre-History, History, Folklore, Geography; 580 mems.; Pres. JUAN CABRERA GARCÍA; publ. *Boletín.*

Sociedad Rural Boliviana (*Rural Soc. of Bolivia*): Comercio 420.

Cochabamba

Sociedad de Pediatria de Cochabamba (*Pædiatrics Soc.*): Casilla 12; f. 1945; 14 mems.; Pres. Dr. EDUARDO ZABALAGA CANELAS; Sec. Dr. MOISÉS SEJAS.

Potosí

Sociedad Geográfica y de Historia "Potosí" (*Geographical and Historical Soc.*): Casa de Moneda, Casilla correo 39; Pres. ARMANDO ALBA; Sec. ALBERTO SUBIETA TORRES; publs. *Colección de la Cultura Boliviana*, 20 vols., *Boletín.*

Santa Cruz de la Sierra

Sociedad de Estudios Geográficos e Históricos (*Geographical and Historical Society*): Calle Ballivián; f. 1915; Pres. Dr. PLÁCIDO MOLINA MOSTAJO; Vice-Pres. Dr. LEONOR RIBERA ARTEAGA; Secs. Dr. HERNANDO SANABRIA FERNÁNDEZ, Ing.-Agr. W. KENNING; publ. *Boletín.*

Sucre

Ateneo de Medicina de Sucre (*Athæneum of Medicine*): Pres. Dr. AGUSTÍN BENAVIDES; Vice-Pres. Dr. ALBERTO MARTÍNEZ; Sec.-Gen. Dr. ROMELIO A. SUBIETA.

Instituto Médico "Sucre" (*Medical Inst.*): San Alberto 8 and 10, Casilla 82; f. 1895; 27 mems., 3 hon., and 130 corresponding; library of 8,000 vols., including *Flora Peruviensis* and 16th-century edition of *Aforismos de Hipocrates*, 6,000 pamphlets; research and production of vaccines and sera; Pres. Dr. EZEQUIEL L. OSORIO; Sec. Dr. JOSÉ AGUIRRE; Librarian Dr. GUSTAVO VACA GUZMÁN; publ. *Revista* (quarterly).

Instituto de Sociología Boliviana (ISBO) (*Inst. of Sociology*): functions as Instituto de Seminarios de Ciencias Sociales; Apdo. 215; f. 1941; 90 mems.; investigates economic, juridical and sociological problems; incorporates a library and a museum; Dir. RAFAEL GARCÍA ROSQUELLAS; publ. *Revista del Instituto de Sociología Boliviana.*

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Instituto de Vacuna Antivariolosa (*Smallpox Vaccination Inst.*): Dir. Dr. ARMANDO SOLARES ARROYO.

Sociedad Geográfica "Sucre" (*Geographical Soc.*): Plaza 25 de Mayo (the old Legislative Assembly); f. 1887; 21 mems.; library; Dir. Dr. ALFREDO JÁUREGUI ROSQUELLAS; publ. *Boletín*.

LIBRARIES

La Paz

Biblioteca del Congreso Nacional (*Congress Library*): Palacio Legislativo; f. 1912; 15,000 vols.; newspaper library; rare works on history, travel, theatre, etc., include: *Monarchia Indiana . . . y otras cosas maravillosas*, compiled by F. Juan de Torquemada, Madrid, 1723; first ed. *Diccionario de la Lengua Castellana*, Real Academia Española, 1726; *El Gran Diccionario . . . de la Historia Sagrada y Profana*, by Joseph de Miravel y Casadevante, Paris, 1753; *Theatro Crítico Universal*, and others, by F. Benito Gerónimo Feyhóo y Montenegro, 1765, etc.; Dir. RICARDO CORTÉS ARAÑA; Sec. ROSA MARÍA MENDOZA; publ. *Reports of Congress*.

Biblioteca del Ministerio de Relaciones Exteriores y Culto (*Library of the Ministry of Foreign Affairs*): Plaza Murillo; f. 1930; 10,039 vols.; private library; Dir. Prof. PACÍFICO LUNA QUIJARRO.

Biblioteca Municipal "Mariscal Andrés de Santa Cruz" (*Municipal Library*): Plaza Franz Tamayo; f. 1838; 30,000 vols.; Dir. EDUARDO OLMEDO LÓPEZ.

Sucre

Biblioteca y Archivo Nacional de Bolivia (*Nat. Library and Archives*): f. 1836; 26,000 vols.; Dir. GUNNAR MENDOZA.

Biblioteca Central del Rectorado: Universidad Mayor de San Francisco Xavier de Chuquisaca; Apdo. 212; Dir. JULIAN ROJAS ROSALES.

MUSEUMS

La Paz

Museo Nacional de Arqueologia (*National Museum*): Calle Tihuanacu 93, Casilla oficial 64; f. 1846, reinaugurated 1960; archæological and ethnographical collections; Lake Titicaca district exhibits; Dir. Prof. GREGORIO CORDERO MIRANDA; publs. *Anales del Musao, Centenario del Museo 1940*.

Potosí

Museo Nacional de la Casa de Moneda de Potosí (*Nat. Museum of the Potosí Mint*): Casilla 39; f. 1938; art, machinery, coins, dies, and unpublished archives of Colonial period; archæology, modern art; Dir. ARMANDO ALBA; publ. *see under* Sociedad Geográfica y de Historia de Potosi.

The "Casa Real de la Moneda", the Royal Mint, of the Imperial City of Potosi, first founded 1572, later rebuilt 1759, now restored, is said to be the most outstanding civic monument of the Colonial period in South America.

Sucre

Museo de Arqueología, Etnografía y Folklore "Manuel Cuellar": Apto. Postal 212; f. 1943; exhibits from the little-known pre-Inca ruins and rock sculptures of Samaypata, and archæological exhibits from central and Southern Bolivai; Dir. Prof. Dr. DN. JOSÉ FELIPE COSTAS ARGUEDAS; publ. *Boletín Antropológico*.

Museo Colonial "Charcas": Universidad de San Francisco Xavier de Chuquisaca, Apto. 212; Dir. Dr. MANUEL GIMÉNEZ CARRAZANA.

Museo de Bellas Artes (*Museum of Fine Arts*).

UNIVERSITIES

UNIVERSIDAD MAYOR DE "SAN SIMÓN" DE COCHABAMBA

CASILLA 658, COCHAMBABA
Telephone: 5501

Founded 1832

Rector: Dr. RAÚL MALDONADO SOLÍS.
Vice-Rector: Dr. JOSÉ REYES MORALES.
Secretary-General: Dr. LUIS FELIPE GUZMÁN.
Librarian: Dr. AUGUSTO GUZMÁN MARTINEZ.

Library contains 19,405 volumes.
Number of professors: 162.
Number of students: 1,174 men, 255 women, total 1,429.

DEANS:

Faculty of Law, and Social and Political Sciences: Dr. RENATO CRESPO PANIAGUA.
Faculty of Medicine: Dr. ALBERTO REQUENA TABORGA.
Faculty of Biochemistry and Pharmacy: Dr. MARIO GUZMÁN MORALES.
Faculty of Odontology: ALFONSO GALINDO QUIROGA.
Faculty of Agriculture: Ing. RENÉ SAAVEDRA ANTEZANA.
Faculty of Economic Sciences: Dr. RICARDO ANAYA ARZE.
Faculty of Physics and Mathematics: Arg. J. ANTONIO TAPIAS VILLAGRASA.
Practical School of Agriculture: QUERUBÍN DE LA ZERDA (*Director*).
Department of Culture: EDUARDO OCAMPO MOSCOSO (*Director*).
Department of Applied Botany: MARTÍN CÁRDENAS HERMOSA (*Director*).
Archæological Museum: E. IBARRA GRASSO (*Director*).

PROFESSORS (*Catedráticos*)

Faculty of Law, and Social, Economic and Juridical Sciences:
ANAYA A., RICARDO (Public and Political Law).
AYALA M., HERNÁN (Political Economy).
CORNEJO S., ALBERTO (Social Legislation).
CRESPO P., RENATO (History of Law).
CUADROS M., ALFREDO (Finance and Statistics).
D'AVIS SAENZ JULIO ALBERTO (Administrative Law).
DAZA ONDARZA, ERNESTO (Constitutional Law).
GUZMÁN, LUIS FELIPE (Penal Law and Criminology).
LÉVY M., C. ENRIQUE (Mineral Law and Agrarian Legislation).
LÓPEZ L., JULIO (Criminal Procedure and Forensic Practice).
MARISCAL, PEDRO (Forensic Medicine).
MENDIZÁBAL, ALFREDO (Civil Law—Part II).
OLGUIN, JOSÉ ANTONIO (Introduction to Study of Law and Jurisprudence).
QUIROGA, CASIMIRO (Civil Procedure).
SALAZAR S., ANTONIO (Public International Law).
TORRICO SIERRA, JOSÉ (Commercial Law).
URQUIDI M., ARTURO (Sociology).
ZABALAGA, LUCIO (Roman Law).
ZEGADA, JOSÉ ANTONIO (Civil Law—Part I).

Faculty of Medicine:
ADRIÁZOLA, CESAR (Psychiatry).
ARANIBAR O., CARLOS (Pathology and Clinical Medicine).

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ARZE L., RICARDO (Urology).
AYALA G., ALEJANDRO (Semeiology and Clinical Propædeutics)
BARRERO, JORGE (Tuberculosis).
CAPRIROLO C., CARLOS (Physical Pathology).
CORRALES B., JULIO (Hygiene and Social Medicine).
D'AVIS SAENZ CARLOS (Clinical Medicine).
FERNANDEZ L. F., ANTONIO (Topographical-Descriptive Anatomy—Part I, and Pathological Anatomy).
GALINDO Q., WALTER (Pathology and Clinical Surgery).
GUZMÁN LÓPEZ, ALBERTO (General Medical Physics).
HARTMANN, JOSÉ ANTONIO (General Biology, Embryology, Dermatology).
LÓPEZ BLANCO, ROBERTO (Bacteriology and Immunology).
LÓPEZ SUAREZ, JOAQUÍN (Gynæcology).
MALDONADO S., BENJAMÍN (Therapeutics and Radiology).
MALDONADO S., HUGO (Topographical-Descriptive Anatomy—Part II).
MALDONADO SOLÍS, RAÚL (Surgical Pathology).
MARISCAL LEDEZMA, PEDRO (Forensic Medicine).
MEDRANO, JOSÉ N. (Pædiatrics).
MELEÁN LÓPEZ, AURELIO (Histology).
MOSCOSO Z., GASTÓN (Dietetics).
MOSTAJO, JORGE (Ophthalmology).
NAVARRO, JOSÉ M. (General and Specialised Physiology).
REQUENA TABORGA, ALBERTO (Surgical Pathology).
RODRIGUEZ, HUMBERTO (General Medical Chemistry).
RODRIGUEZ RIVAS, JULIO (Clinical Medicine).
ROJAS T., JORGE (Oto-Rhino-Laryngology).
SARACHO, EDUARDO (Parasitology and Tropical Diseases).
TRIGO, ADRIAN (Neurology).
VELASCO, BELISARIO (Biochemistry).
VILLAROEL, JULIO (Technique of Surgery).

Faculty of Biochemistry and Pharmacy:

ASBÚN LAMA, WADY (Industrial Chemistry).
BRIANZON, JAIME (General Biology).
ESPINOZA, JOAQUÍN (Pharmacognosy).
GUZMÁN, COCA JORGE (Chemistry, Industrial Pharmacy).
GUZMÁN MORALES, GONZALO (Clinical Analysis).
GUZMÁN M., MARIO (Bromatology, Nutrition, Toxicology and Pharmaceutical Chemistry).
KLÜGER, JULIO (Pharmaceutical Physics).
LÓPEZ BLANCO, ROBERTO (Functional Analysis and Pharmaceutical Chemistry).
MÉNDEZ CASTRO, HERNÁN (Galenic Pharmacy, Deontology, History of Chemistry and Pharmacy).
MONTAÑO, JOSÉ E. (Pharmaceutical Botany).
ORTIZ A., MARIO (Pharmacodynamics).
RIVAS TORRICO, FEDERICO (Organic Chemistry).
TAPIAS VILLAGRASA, ANTONIO (Functional Analysis and Mathematics).
VELASCO Z., BELISARIO (Analytical Chemistry and Biochemistry).

Faculty of Odontology:

APONTE, JULIO CÉSAR (Child Dentistry).
BAUER DE FROEHLE, LUCY (Orthodontics and Ceramics).
BRIANZON, JAIME (General and Embryonic Biology).
CABRERA QUEZADA, EDGAR (Therapeutics).
CANEDO OSTRIA, RENÉ (Dental Surgery).
CAPRIROLO, CARLOS (Physical Pathology).
CASTRO, CELIAR (Specialised Anatomy).
CORRALES BADANI, JULIO (Hygiene and Social Medicine).
GALINDO, ALFONSO (Radiology and Parodontics).
GUARDIA PALOMO, HUGO (Radiology).
KLÜGER, JULIO (Bio- and Applied Physics).
LÓPEZ BLANCO, ROBERTO (Bacteriology).
MALDONADO SUÁREZ, BENJAMÍN (Therapeutics and Pharmacology).
MELEÁN LÓPEZ, AURELIO (Histology).
NAVARRO, JOSÉ MARÍA (Human Physiology).
REYES MORALES, JOSÉ (Oral and Dental Pathology and Prosthesis).
RODRIGUEZ QUEVEDO, HUMBERTO (Medical Chemistry).
ROJAS T., JAIME (Surgery and Exodontics).
SALCEDO L., ALBERTO (Crowning).
VELASCO, BELISARIO (Biochemistry).

Faculty of Agriculture:

ANTEZANA, LUCIO (Agricultural Extension).
ARANÍBAR, ANTONIO (Dairying).
AVILA LAZO, GUILLERMO (Agriculture—Part I).
BOLWEG, DIETER (Agriculture—Part II).
CABALLERO, RAÚL (Organic, Analytical and Agricultural Chemistry).
CÁRDENAS, MARTÍN (Genetics and Economic Botany).
COCA ACHÁ, JOSÉ (Zootechnics).
CORONEL, ABEL (Agrarian Economics).
COSSÍO MONTAÑO, CARLOS (Statistics, Biometry and Phytotechnics).
ESPINOZA C., JORGE (Agricultural Geology).
GEBHART, ERNESTO (Agricultural Hydraulics).
GOYTIA, DELFÍN (Forestry).
HERBAS, REMBERTO (Phytopathology).
MERCADO, RAÚL (Anatomy, Physiology and Veterinary Hygiene).
MURILLO DAZA, HUGO (Plant Technology).
OVANDO, WENCESLAO (Agricultural Machinery).
PONCE MONTÁN, WALTER (Agrarian Legislation).
PRADA, ROBERTO (Meteorology and Climatology).
ROCHA, DANIEL (Higher Mathematics).
SAAVEDRA, RENÉ (Fruit Cultivation and Horticulture).
TERRAZAS, FERRUFINO LUIS (Agricultural Entomology)
TERRAZAS, MONTANO ISMAEL (Animal Health).
TORRICO, OSCAR (Higher Mathematics).
URQUIDI, JORGE (Rural Building).
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Number of students: 898 men, 237 women, total 1,135.

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PAYNO, JOSÉ MARÍA (Pathological Anatomy).
RIBERA CH., VLADIMIR (Hygiene).
RODRÍGUEZ S., NAPOLEÓN (Clinical Medicine).
SUÁREZ, NICOLÁS (Descriptive Anatomy).
TALAVERA R., RAFAEL (Histology).
TELCHI, ABRAHAM (Chemistry).
VACA PEREIRA, JORGE (Therapeutics and Surgical Pathology).
VINCENTI M., LUIS (Infectious Diseases and Parasitology).

Institute of Technology:
AGUIRRE, IGNACIO (Meteorology).
AYALA, REINALDO (Telegraphy).
CANIDO, JULIO (Mathematics).
CALLAÚ, OSCAR (Labour Law).
DE SIERRA, LIDIA C. (Analytical and Industrial Chemistry).
FERNANDEZ, MATEO (Electrotechnics).
GÓMEZ, JESÚS (Draughtsmanship).
LANDÍVAR, AIDA H. DE (Machines).
LOPEZ, EDMUNDO (Organic Chemistry).
MERCADO, ORLANDO (English).
PEREDO, ISRAEL G. (Radio and Communication Theory).
PEREDO B., JENARO (Electrotechnics).
RAMÍREZ, EDUARDO (Engines).
RIBERA T., GUILLERMO (Technological Chemistry).
TORREZ, ELADIO (Mechanical Technology).
VALENCIA, AUGUSTO (Theory of Engines).
VÁZQUEZ M., SEVERO (Spanish).
VELARDE, HUMBERTO (Inorganic Chemistry).
VILLAGOMES, ALFREDO (Physics).
WICHTHENDALL, LUISA (Typewriting).

School of Agriculture:
BARRERO, JOSÉ (Arboriculture, Botany, Genetics and Forestry).
JORDÁN, FELICIANO (Zootechnics).
KISLIN, CARLOS (Algebra and Trigonometry).
LANDÍVAR, MARIO (General and Agricultural Chemistry).
MARTINES, ARISTÓTELES (Agricultural Mechanics).
OVANDO, LUIS (Agrology, Agricultural Physics, Meteorology).
PAREJA E., LIDERS (Rural Administration).
SUÁREZ, NÉSTOR (Economics).

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Library: f. 1942; 15,000 vols., also collections of pamphlets; Law Faculty and Social Science Library, 32,000 vols.; Faculty of Medicine Library, 5,000 vols.; Faculty of Economics Library, 1,800 vols.

Number of teachers: 176; number of students: 1,262.

Publications: *Universidad* (quarterly), *Revista de Estudios Jurídicos, Sociales y Políticos* (organ of the Faculty of Law), *Archivos Bolivianos de Medicina* (organ of the Faculty of Medical Science), *Revista del Instituto de Sociología Boliviana, Revista del Centro de Estudiantes de Derecho, Revista de Estudios Económicos y Financieros*, and scientific and literary works.

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School of Languages: PASTOR LLOBET.
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DUCHÉN LOZADA, HUMBERTO (Administrative Law).
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SANDOVAL, HUGO (Civil Law).
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Faculty of Economics and Finance:
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ARDUZ, HUMBERTO (Mining and Petroleum Law).
CALDERÓN, VÍCTOR (Labour Law).
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CARRASCO, JUAN (Organisation of Industry).
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FORTÚN, RENÉ (Administrative and Constitutional Law).
GAMARRA, ALFREDO (Political Economy).
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GIMENEZ C., ALFREDO (Economic Geography).
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SANDOVAL, HUGO (Civil Law).
TORRES, LUIS (Commercial Mathematics).
URIOSTE, RAFAEL (Financial and Actuarial Mathematics).
VARGAS VACAFLOR, WILLY (Finance).
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Faculty of Medical Sciences (Schools of Medicine and Surgery, Odontology, Pharmacy and Midwifery):

School of Medicine and Surgery:

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CARROSCO, BEATRIZ (Bacteriology and Immunology).
CHUMACERO VARGAS, RAMÓN (Galenic Pharmacy).
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GORENA, MAMERTO (Pathological Anatomy, Pathology).
HENRICH ARÁUZ, MARIA LUISA (Inorganic Chemistry).
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MOSTAJO, PEDRO (Normal Histology, Embryology).
PARAVICINI, EDUARDO (Organic Chemistry).
PEREIRA, LUIS (Pædiatrics).
RIVERA CORTÉS, MARIO (Obstetrics).
SÁNCHEZ PORCEL, JAIME (Gynæcology).
SAUMA K., LUIS (Urology).
SOLARES, ANICETO (Parasitology and Mycology).
SOLARES, ARMANDO (Oto-Rhino-Laryngology).
SUBIETA ROSEMBLUTH, ROMELIO (Therapeutics).
TORREZ, MARIA LUISA (Analytical Chemistry).
TORRICOS, FIDEL (Medical Botany, Pharmaceutical Physics).
VALDA GARCÍA, BENIGNO (Descriptive Anatomy).
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Faculty of Odontology:

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The library contains 10,588 volumes.
Number of students: 570 men, 172 women, total 742.
Publications: *Universidad, Boletín de Información.*

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ACADEMIES

Rio de Janeiro

Academia Brasileira de Letras (*Brazilian Academy*): Av. Presidente Wilson 203; f. 1897; library, 30,000 vols.; Pres. Austregésilo de Athayde; Sec.-Gen. Luis Viana Filho; Treas. Aníbal Freire da Fonseca; Librarian Barbosa Lima Sobrinho; publ. *Revista da Academia* (annals); preparing exhaustive *Dictionary of the Portuguese Language*; annual prizes awarded for best Brazilian works in prose, verse and drama.

Members:

Almeida, Guilherme de.
Amado, Jorge.
Austrégesilo, Antônio.
Azeredo, Carlos Magalhães de.
Bandeira, Manuel.
Calmon, Pedro.
Cardim, Elmano.
Carneiro, Levi.
Chateaubriand, Assis.
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De Melo Franco, Afonso Arinos
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Fraga, Clementino.
Lima, Alceu Amoroso
Lins, Alvaro.
Lins, Ivan.
Macedo Soares, José Carlos de.
Medeiros, Maurício de.
Mello, Antonio da Silva.
Meyer, Augusto.
Montello, Josué.
Moog, Viana.
Moreyra, Alvaro.
Motta Filho, Candido.
Octávio, Rodrigo (Jun.).
Orico, Osvaldo.
Pena Júnior, Afonso.
Peregrino Junior.
Picchia, Menotti del
Ricardo, Cassiano.
Tavares, Adelmar.

Academia Carioca de Letras (*Rio de Janeiro Academy of Letters*): Av. Augusto Severo 8; f. 1926; Pres. Prof. J. Paulo de Medeyros; Sec. Othon Costa; publs. *Cadernos, Revista.*

Academia Nacional de Farmacia (*National Academy of Pharmacy*): Rua Andradas, 96; publ. *Boletim.*

Academia Nacional de Medicina (*National Academy of Medicine*): Av. Gal. Justo 365; f. 1829 as Sociedade de Medicina de Rio de Janeiro, then Academia Imperial de Medicina 1831; library 20,000 vols.

Academia Brasileira de Ciências (*Brazilian Academy of Science*): Caixa Postal 229; f. 1916; 120 senior, 40 junior mems.; Pres. Arthur Moses; Vice-Pres. Antônio Couceiro, Luiz Cintra do Prado; Exec. Sec. Amadeu Cury; Sec. Lauro Sollero; publ. *Anais.*

Bahia

Academia de Letras da Bahia (*Academy of Letters*): Praça 15 de Novembro 283, Caixa Postal 662; f. 1917; 40 mems., 19 corresponding in Brazil, 6 abroad; library, 6,000 vols.; Pres. Luiz Pinto de Carvalho; Vice-Pres. Magalhães Neto; Sec. Edith Mendes da Gama e Abreu; publ. *Revista* (every six months).

Belo Horizonte

Academia de Ciências de Minas Gerais (*Academy of Science*).

Academia Mineira de Letras (*Minas Gerais Academy of Letters*).

Cuiaba, Mato Grosso

Academia Matogrossense de Letras (*Mato Grosso Academy of Letters*): Rua 13 de Junho 173; f. 1921; Pres. José de Merquita; publ. *Revista.*

Curitiba

Academia Paranaense de Letras (*Parand Academy of Letters*): Rua Dr. Murici 854, Caixa Postal 670; f. 1936; 36 mems., 7 corresponding; Pres. Oscar Martins Gomes; Sec.-Gen. Ciro Silva; Treas. Valfrido Piloto; Librarian Durval Borges; publ. *Revista*; library of rare works.

Espirito Santo

Academia de Letras (*Academy of Letters*).

Florianopolis

Academia Catarinense de Letras (*Santa Catarina Academy of Letters*): Rua Tenente Silveira 6; f. 1920; 40 mems., 20 corresp. mems.; library 2,078 vols.; Pres. Othon d'Eça; Sec.-Gen. Altino Flôres; Treas. Oswaldo Mello; Librarian Mancio da Costa; publ. *Revista.*

Fortaleza, Ceará

Academia Cearense de Letras (*Ceará Academy of Letters*): publ. *Revista.*

Maceió

Academia Alagoana de Letras (*Alagoas Academy of Letters*).

Manaos

Academia Amazonense de Letras (*Amazonas Academy of Letters*): Rua Ramos Ferreira 1009; Dir. Dr. Leôncio Salignac e Souza; Sec. Mário Ypiranga Monteiro; publ. *Revista.*

Paraíba

Academia de Letras (*Academy of Letters*).

Pôrto Alegre

Academia Riograndense de Letras (*Rio Grande Academy of Letters*): Rua Siqueira Campos 1159; publ. *Revista.*

Piauí

Academia de Letras de Piauí (*Piauí Academy of Letters*): publ. *Revista.*

Recife

Academia Pernambucana de Letras (*Pernambuco Academy of Letters*): Rua do Hospício 130; f. 1901; library, 1,000 vols.; 40 mems., unlimited number of hon. and corresp. mems in Brazil and abroad; Pres. Dr. Ceilo Meira; Sec. Dr. Laurênio Lins de Lima; publ. *Revista.*

São Paulo

Academia de Letras de São Paulo (*São Paulo Academy of Letters*): publ. *Revista.*

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Agriculture

Rio de Janeiro

Divisão de Defesa Sanitaria Vegetal: Edificio do Museu Histórico, 3° andar, Largo da Misericórdia s/n; f. 1920; Dir. Jefferson Firth Rangel; library of 3,646 vols., pamphlets and periodicals; publs. *Boletin Fitossamtário, Monographs.*

Instituto de Química Agrícola (*Institute of Agricultural Chemistry*): Rua Jardim Botânico 1024; f. 1918; Dept. of the Ministry of Agriculture; library, 22,775 vols., pamphlets and periodicals; Dir. Dr. Fausto Aita Gai; Librarian Angela Maria Lyra Porto; publs. *Memória* and *Boletim.*

Sociedade Nacional de Agricultura (*National Agricultural Society*): Avenida General Justo 171, C.P. 1245; f. 1897; library, 30,000 vols.; Pres. Luiz Simões Lopes; Sec.-Gen. Luiz Marques Poliano; Librarian Sonia Maria Ribeiro Santiago; publs. *A Lavoura* and pamphlets.

Belém

Instituto Agronômico do Norte (*Northern Agricultural Institute*): f. 1941; 28 mems.; scientific research of the agricultural resources of the Amazon Valley; special reference to rubber, native oil and fibre-producing plants; laboratory; Dir. José Maria Pinheiro Condurú; publs. technical bulletins and circulars; library of 30,000 vols.

Campinas

Instituto Agronômico em Campinas, Estado de São Paulo (*Institute of Agronomy of Campinas*): Caixa Postal 28; f. 1887; library, 65,000 vols.; *Divisions:* Agronomy, Experimental Stations, Soils, Agricultural Mechanics and Technology, Biology and Administration; *Sections* include: Coffee, Cotton, Fibre Plants, Cereals, Oil Plants, Tobacco, Medicinal and Insecticide Plants, Sugar Cane, Vegetables and Flowers, Citrus, Tropical Fruits, Grapes, Fruits of Temperate Climates, Legumes, Roots and Tubers, Tropical Plants; Chemistry, Irrigation, Genetics, Cytology, Botany, Phytopathology, Entomology, Physiology, Statistics, Agricultural Climatology, Virology; 17 experimental stations in the State of São Paulo; 130 research workers; exchange of specimens; Dir. José Elias de Paiva Netto; Librarian Ernesto Manoel Zink; publs. *Bragantia, O Agronômico, Farmers' Bulletin.*

Recife (Pernambuco)

Estação Experimental de Curado (*Curado Experimental Station*): Caixa Postal 205; Dir. José Clovis de Andrade.

Anthropology, Ethnology and Folklore

Rio de Janeiro

Comissão Nacional de Folclore (*National Folklore Commission*): Palácio Itamaraty, Rua Marechal Floriano; Dept. of the Brazilian Institute of Education, Science and Culture (IBECC); Sec.-Gen. Renato Almeida.

Belém, Pará

Instituto de Antropologia e Etnologia do Pará (*Institute of Anthropology and Ethnology of Pará*): Caixa Postal 684, Belém; Pres. Napoleão Figueiredo; publ. *Monografias* and books on Brazilian anthropology, archæology, etc.

Archæology

Recife

Instituto Arqueológico, Histórico e Geográfico Pernambucano (*Pernambuco Archæological, Historical and Geographical Institute*): Rua do Hospicio 130; f. 1862; library, 18,000 vols.; 50 mems., 130 corresp. mems., 5 hon. mems.; Pres. Archbishop Dom Carlos de Gouveia Coêlho; Perm. Sec. Dr. Olympio Costa Jr.; Librarian Dr. Lauro Borba; publ. *Revista.*

Biology and Entomology

Pôrto Alegre

Sociedade de Biologia do Rio Grande do Sul (*Institute of Natural Sciences and Genetics*): Universidade do R. G. do Sul, Av. Paulo Gama; f. 1947.

Rio de Janeiro

Sociedade de Biologia do Brasil: Caixa Postal 1587.

São Paulo

Estação Experimental de Biologia e Piscicultura (*Experimental Station for Biology and Pisciculture*): f. 1938; under the Ministry of Agriculture; Dir. Dr. Almir Perácio.

Instituto Biológico (*Biological Institute*): Avda. Rodrigues Alves 1252, Caixa Postal 7119; f. 1927; Dept. of Defesa Sanitaria da Agricultura; 216 mems.; library of 135,000 vols.; Dir.-Gen. Dr. Paulo Nobrega; Librarian Cecília de T. Uchôa Gomes; publs. *Arquivos* (annually), *O Biológico* (monthly).

Sociedade Brasileira de Entomologia (*Brazilian Entomological Society*): Caixa Postal 9063; f. 1937; Pres. Oswaldo P. Forattini; publ. *Revista Brasileira de Entomologia.*

Sociedade de Biologia de São Paulo (*São Paulo Biological Society*): Caixa Postal 2921; f. 1921; Pres. W. T. Beraldo; Sec. Sylvia D. Andrade; publ. *Revista.*

Botany

Rio de Janeiro

Serviço Florestal (Jardim Botânico) (*Forestry Service and Botanical Gardens*): f. 1809; Rua Jardim Botânico 1008; f. 1920; Dir. Dr. Camilo Altamiro Barbosa Pereira; formerly Instituto de Biologia Vegetal; library of 8,565 vols., pamphlets and periodicals on national parks, botany, silviculture, forestry and plant biology; publs. *Arquivos do Jardim Botânico, Arquivos do Serviço Florestal, Rodriguésia.*

Sociedade Botânica do Brasil (*Botanical Society of Brazil*): Jardim Botânico; f. 1950; Pres. Dardano de Andrade Lima; Sec.-Gen. Fernando Romano Milanez.

Jardim da Praça de República (*Public Gardens*): laid out 1865 by Auguste F. M. Glazion, who collected 23,000 plants; Herbario Glazion forms the most noteworthy exhibit in the Botanical Division of the National Museum.

Santa Catarina

Herbário "Barbosa Rodrigues": Itajaí; f. 1942; 127 mems.; Dir. P. Raulino Reitz; publs. *Sellowia, Flora Catarinense.*

São Paulo

Instituto de Botânica (*Botanical Institute*): Caixa Postal 4005; f. 1938; Dir. Dr. Alcides Ribeiro Teixeira.

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Chemistry

Rio de Janeiro

Associação Brasileira de Química (*Brazilian Chemical Association*): Av. Rio Branco 156 (Sala 907), Caixa Postal 550; resulted in 1951 from the merger of the Sociedade Brasileira de Química (f. 1922) and the Associação Brasileira de Química (f. 1940); 3,289 mems., 9 corresponging, 206 collective, 3,074 individual; library of 3,200 vols.; Pres. C. E. Nabuco de Araujo; publs. *Anais*, *Boletim* (monthly), *Revista* (bi-monthly), *Indice Biográfico* (annually); *Revista Engenharia e Quimica;* regional brs. at Bahia, Campinas, Minas Gerais, Distrito Federal, Paraíba, Paraná, Pernambuco, Rio Grande do Sul, Santos, São Paulo, Volta Redonda, and members in all the States of Brazil.

Sociedade Brasileira de Química (*Brazilian Chemistry Society*): Rua 13 de Maio 23; Sec. Dr. A. Albuquerque; publ. *Revista*.

Education

Rio de Janeiro

Associação Brasileira de Educação (*Brazilian Educational Association*): Av. Rio Branco 91, 10° andar, Caixa Postal 1471; f. 1924; library; Pres. Marcos Almir Madeira; publ. *Educação*.

Associação de Educação Católica do Brasil (*Assen. for Catholic Education in Brazil*): Rua Martins Ferreira 23; f. 1945; supervises 1,700 schools, seminaries and faculties; Pres. P. Artur Alonso, S.J.; Sec. Dom Lourenço de Almeida Prado; publ. *Síntese Pedagógica*.

Centro Brasileiro de Pesquisas Educacionais (*Brazilian Centre of Educational Researches*) of the Instituto Nacional de Estudos Pedagógicos (National Institute of Pedagogical Studies): Rua Voluntários de Pátria, 107; f. 1953; 5 Regional Centres in São Paulo, Bahia, Minas Gerais, Rio Grande do Sul and Pernambuco; Dir. Anísio Teixeira; Exec. Dir. Péricles Madureira de Pinho; library 47,000 vols.; publs. *Revista Brasileira de Estudos Pedagógicos, Bibliógrafia Brasileira de Educação, Educação e Ciências Sociais*; books: *Curriculo, Programas e Método, Inquéritos e Levantamentos, Sociedade e Educação, Cursos e Conferências, Manuais para os Professôres*; text books.

Conselho Federal de Educação (*Federal Board of Education*): Palacio da Educação, Rua da Imprensa 16, 5° andar; library; 24 mems.; Pres. Dr. Deolindo Couto; Vice-Pres. Dr. Abgar Renault; Sec.-Gen. Dr. Celso Kelly; Publ. *Documenta*.

Fundação "Getúlio Vargas": Praia de Botafogo, 186; f. 1944; 244 mems.; subsidises many educational institutes including the Instituto Brasileiro de Administração, Instituto Brasileiro de Economia, Instituto de Seleção e Orientação Profissional, Instituto de Direito Publico e Ciência Politica, Departamento de Ensino; Pres. Dr. Luis Simões Lopes; Executive Dir. Dr. Alim Pedro; publs. *Conjuntura Económica* (national and international editions), *Revista de Direito Administrativo, Revista Brasileira de Económia, Arquivos Brasileiros de Psicotécnica, Revista de Direito Público e Ciência Política, Cadernos de Administração Pública, Revista de Administração de Emprêsas*.

Instituto Brasileiro de Educação, Ciência e Cultura (IBECC) (*Brazilian Institute of Education, Science and Culture*): member of UNESCO; Av. Presidente Vargas 62; Sec.-Gen. Renato Almeida.

Sociedade Brasileira de Cultura Inglêsa (*Brazilian Society for English Culture*): Av. Praça Aranha 327, C.P. 821; f. 1934; Pres. Dr. Celso da Rocha Miranda; Admin. Dir. J. X. Marques do Couto Jr.; Education Dept. F. G. Wood, M.B.E.; brs. at Jardim Botânico, Copacabana, Botofogo, Tijuca, Méier, Niteroi, Governador, Petrópolis, Camp Grande and Caxias; affiliated society at Juiz de Fora; library of 19,000 vols.

Recife

Instituto Joaquim Nabuco de Pesquisas Sociais: Av. 17 de Agôsto, 2187; f. 1949; sociological studies for agrarian workers in Brazil's north; Dir. Mauro Mota; publ. *Boletim*.

São Paulo

Instituto "Nami Jafet" Para o Progresso da Ciência e Cultura (*"Nami Jafet" Institute for the Advancement of Science and Culture*): 667 Rua Senador Queiroz; f. 1961; awards annual prizes of two million cruzeiros in cash, a gold medal, diploma and scholarships; established in memory of the late industrialist Prof. Nami Jafet; Chair. of Consultative Council Prof. A. C. Pacheco E Silva; Chair. of Bd. of Dirs. Prof. Alfredo Buzaid; Exec. Sec. Rone Amorin.

Engineering

São Paulo

Associação de Engenharia Química pela Escola Politécnica da Universidade de São Paulo (*Society of Chemical Engineers*): Praça Coronel Fernando Prestes 74; f. 1944; 300 mems.; Pres. Cezar Thomé; Sec. José Perez Fernandez.

Fine Arts, Literature

Rio de Janeiro

Instituto Brasileiro de Bibliografia e Documetação (*Brazilian Institute of Bibliography and Documentation*): Av. General Justo 181, Rio de Janeiro; Pres. Mrs. L. de Queiroz Sambaquy.

Instituto Brasileiro de Bibliografía e Documentação de Conselho Nacional de Pesquisas (*Brazilian Institute of Bibliography and Documentation of the National Research Council*): Av. General Justo 171, 4 andar, Rio de Janeiro, GB.

P.E.N. Clube do Brasil (Associação Universal de Escritores) (*International P.E.N. Centre*): Praia do Flamengo 172, 10°; f. 1936; 225 mems.; monthly free lectures; theatrical performances; auditorium with 345 places; Pres. Dr. Claudio de Souza; publs. *Boletim*, novels, poetry.

Sociedade Brasileira de Autores Teatrais (*Soc. of Playwrights*): 97-3° andar, Av. Almirante Barroso; publ. *Revista de Teatro*.

Sociedade Brasileira de Belas Artes (*Brazilian Society of Fine Arts*): Rua Araujo Porto Alegre 70; Pres. Salvador Ponjalo Sabate; library open to artists.

Sociedade de Autores y Criticos (*Authors' and Critics' Soc.*).

Guiratinga, Mato Grosso

Associação de Intercambio Cultural: Av. General Rondon 572; f. 1946; 700 mems.; Dir. Raimundo Maranhão Ayres; publ. *Novo Mundo* (bi-monthly).

São Paulo

Sindicato dos Compositores Artísticos, Musicais e Plásticos do Estado de São Paulo (*Arts and Music Society*): f. 1922; fmrly. Soc. Paulista de Belas Artes; 300 mems.; annual exhibitions.

União Cultural Brasil-Estados Unidos (Brazil-United States Cultural Union): Casa Roosevelt, Rua Coronel Oscar Porto 208, Caixa Postal 7197; f. 1938; courses in English and Portuguese and specialised courses; 938

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mems., 60 teachers, 5,000 students; library of 17,000 vols., Exec. Sec. FLÁVIO M. NOBRE DE CAMPOS; publs. *Boletim, Informative, Revista*, many books.

GENEALOGY

São Paulo

Instituto Genealógico Brasileiro (*Genealogical Institute*): Rua Dr. Zuquim 1525; Pres. Colonel SALVADOR DE MOYA; Sec. Dr. JORGE BUENO DE MIRANDA; library of 972 vols. on genealogy and heraldry; publs. *Anuário Genealógico Brasileiro, Anuário Genealógico Latino, Revista Genealógica Brasileira, Biblioteca Genealógica Brasileira, Biblioteca Genealógica Latina, Indices Genealógicos Brasileiros.*

GEOGRAPHY AND HISTORY

Rio de Janeiro

Centro de Pesquisas de Geográfia do Brasil (*Centre for Geographical Research*): Av. Pres. Antônio Carlos 40, 9° andar; research work in regional, physical, cultural and economic (including agrarian) geography; Dir. HILGARD O'REILLY STERNBERG; publs. *Bibliografia Geográfica Brasileira, Bibliografia Cartográfica Brasileira* (both annual), monographs.

Instituto Brasileiro de Geográfia e Estatística (*Brazilian Geographical and Statistical Institute*). *See under* "Statistics".

Instituto de Estudos Brasileiros (*Institute of Brazilian Studies*): 128 Av. Rio Branco; publ. *Revista de Estudos Brasileiros.*

Instituto Histórico e Geográfico Brasileiro (*Brazilian Historical and Geographical Institute*): Avenida Augusto Severo 8; f. 1838; library 280,000 vols.; Pres. JOSÉ CARLOS DE MACEDO SOARES; Sec. Dr. VIRGILIO CORREA, Jr.; Librarian ADELAIDE MOROSINI ALBA; publ. *Revista.*

Sociedade Brasileira de Geográfia (*Brazilian Geographical Society*): Praça da República 54, 1° andar; f. 1883; library 9,000 vols.; 250 mems., 30 hon., 5 associates, 600 corresponding; Pres. Dr. HERBERT CANABARRO REICHARDT; Sec.-Gen. and Librarian JOÃO DE MELLO MORAES; publ. *Revista.*

Sociedade Luso-Africana do Rio de Janeiro (*Portuguese-African Society of Rio de Janeiro*): Praça Tiradentes 60; f. 1930; Pres. ANTONIO COELHO ANDRADE SEQUEIRA; Sec. ANTONIO DE SOUSA AMORIM.

Aracajú

Instituto Histórico e Geográfico de Sergipe (*Sergipe Historical and Geographical Institute*): Rua de Itabaianinha. 41; f. 1912; Pres. MANUEL FERREIRA DA SILVA NETO (1959-61); publ. *Revista.*

Belém

Instituto Histórico e Geográfico do Pará (*Para Historical and Geographical Institute*): Praça D. Pedro II 35, Caixa Postal 595; f. 1917; Pres. MAURICIO CORDOVIL PINTO; First Sec. Major ADOLPHO PEREIRA DOURADO.

Curitiba

Instituto Histórico, Geográfico e Etnográfico Paranaense (*Historical, Geographical, Ethnographic Institute of Paraná*): Rua José Loureiro 43; f. 1900; Pres. Prof. ALUIZIO FRANÇA; Sec. Prof. OSVALDO PILOTTO; publ. *Boletim.*

Florianopolis

Instituto Histórico e Geográfico de Santa Catarina (*Santa Catarina Historical and Geographical Institute*): Rua Tenente Silveira 69; f. 1896; Pres. Prof. Dr. HENRIQUE DA SILVA FONTES; Sec. ALVARO TOLENTINO DE SOUSA; publs. *Revista* (quarterly), and related works.

Fortaleza, Ceará

Instituto do Ceará (*Ceará Institute*): Alberto Neponuceno 332; f. 1887; library, 14,000 vols.; includes the following commissions: History, Manuscripts and Archæology; Geography, Ethnography and Social Science; Science and Letters; Pres. THOMAZ POMPEU SOBRINHO; Sec.-Gen. RAIMUNDO GIRÃO; Librarian JOSÉ WALDO RIBEIRO RAMOS; publs. *Boletim, Revista, Historia do Ceará.*

Goiania

Instituto Histórico e Geográfico de Goiaz (*Historical and Geographical Institute*): rare collections of letters and newspapers; publs. *Boletim* (quarterly); works.

Joao Pessoa, Paraíba

Instituto Histórico e Geográfico Paraíbano (*Paraíba Historical and Geographical Institute*): Caixa Postal 37; f. 1905; library, 6,000 vols.; 40 mems., 30 corresponding; Pres. Prof. CLOVIS LIMA; Sec. J. VEIGA JUNIOR; publ. *Revista.*

Maceió (Alagoas)

Instituto Histórico de Alagoas (*Alagoas Historical Institute*): Rua João Pessoa 382; f. 1869; 30 mems.; library; 7,800 vols.; Pres. Dr. ORLANDO VALERIANO DE ARAÚJO; Sec. Dr. ABELARDO DUARTE; publ. *Revista.*

Manaos

Instituto Geográfico e Histórico do Amazonas: Rua Bernando Ramos 131; Pres. Dr. JOÃO PEREIRA Jr.; MACHADO, Sec. Dr. GERALDO PINHEIRO; publ. *Revista.*

Natal

Instituto Histórico e Geográfico do Rio Grande do Norte (*North Rio Grande Historical and Geographical Institute*): Rua da Conceição 622; f. 1902; library, 12,000 vols.; Pres. Dr. ALDO FERNANDES RAPOSO DE MÉLO; Librarian Dr. JOÃO EPITÁCIO FERNANDES PIMENTA; publ. *Revista.*

Pôrto Alegre

Instituto Histórico e Geográfico do Rio Grande do Sul (*South Rio Grande Historical and Geographical Institute*): publ. *Revista.*

São Luiz, Maranhão

Instituto Histórico e Geográfico do Maranhão (*Maranhão Historical and Geographical Institute*): Rua Oswaldo Cruz 634; f. 1925; Pres. Des. ELISABETO BARBOSA CARVALHO; Sec.-Gen. Dr. OLAVO CORREIA LIMA; publ. *Revista do Instituto Histórico e Geográfico do Maranhão.*

São Paulo

Instituto Histórico e Geográfico de São Paulo (*São Paulo Historical and Geographical Institute*): Rua Benjamin Constant N. 152; f. 1894; library, 20,000 vols.; Pres. Dr. JOSÉ PEDRO LEITE CORDEIRO; Sec. LUIS TENORIO DE BRITO; publs. *Revista, Documentos, Inventarios e Testamentos, Sesmarias.*

Instituto Geográfico e Geológico (*Geographical and Geological Institute*): f. 1886; library 50,000 vols., periodicals and pamphlets; 21,000 maps; Dir. Eng. VALDEMAR LEFÈVRE; Sections: Geodesy, Topography, General Geology, Economic Geology, Geographical Research, Drawing Office, Map Room, Library, Geological Museum, Chemical Laboratory; publs. *Boletim, o I.G.G.* maps and monographs.

Salvador (Bahia)

Instituto Geográfico e Histórico da Bahia (*Bahia Geographical and Historical Institute*): Avenida 7 de Setembro; f. 1894; library, 17,634 vols.; Pres. Dr.

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Francisco de Magalhães Neto; Secs. Drs. Augusto A. Machado and Francisco da Conceição Menezes; publ. *Revista* (annually).

Vitória

Instituto Histórico e Geográfico do Espirito Santo (*Historical and Geographical Institute*): Av. República 58; f. 1916; Pres. Christiano Ferreira Fraga; Sec.-Gen. Renato José Costa Pacheco; publ. *Revista do Inst. Hist. e Geog. do Espírito Santo.*

Geology and Mineralogy

Rio de Janeiro

Departamento Nacional da Produção Mineral (*National Department of Mineral Production*): Avda. Pasteur 404, Praia Vermelha; f. 1907; Dept. of Ministry of Mines and Energy; Dir. Prof. Silvio Barbosa; comprises the following Divisions: Geological and Mineralogical (publs. *Boletim, Relatório, Avulso, Notas Preliminares e Estudos*, monographs); Development of Mineral Production (publs. *Boletim*, monographs, related works); Water (publs. *Boletim, Anuário Pluviométrico*, special papers); Laboratory (publ. *Boletim*); library 42,572 vols.

International Cultural Institutes

Rio de Janeiro

Alianca Francesa: Av. Presidente Antônio Carlos, 58; Sec.-Gen. P. Greffet.

Conselho Britânico (*British Council*): Avenida Portugal, 360, Urca., Caixa Postal 2237; Rep. J. A. Cayton, O.B.E.; library 8,000 vols.

Instituto Brasil-Estados Unidos (*Brazil-U.S.A. Institute*): Av. N. S. Copacabana 690; Dir. Glen Johnson; Executive Sec. Raimundo Viana; 3 brs.

Instituto Cultural Brasil-Alemanha (*Brazil-German Cultural Institute*): Av. Rio Branco 311; f. 1956; Pres. Cândido Mota Filho; Executive Dir. Wilhelm Keller; publ. *Noticiário.*

Instituto Cultural Brasil-Japão (*Brazil-Japan Cultural Institute*): Av. Franklin Roosevelt 39; Dir. Teiparo Takahashi.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Praia de Flamengo, 386/201; Dir. Prof. Fernando Capecchi; library of 2,000 vols.

Pôrto Alegre

Brazilian-German Cultural Institute: Caixa Postal 2511.

São Paulo.

Istituto Italiano di Cultura: Rua Frei Caneca 1017; Dir. Prof. Edoardo Bizzarri.

Law

Rio de Janeiro

Instituto dos Advogados do Brasil (*Institute of Brazilian Lawyers*): Av. Marechal Câmara 210; Pres. João de Oliveira Filho; library 17,000 vols.

Ordem de Advogados Brasileiros (*Brazilian Bar Association*): Av. Marechal Camara 160.

São Paulo

Instituto dos Advogados de São Paulo (*Inst. of Advocates*): Rua Senador Feijó, 176, 9°; f. 1916; 350 mems.; Chair. Prof. José Barbosa de Almeida.

Medicine, Surgery

Rio de Janeiro

Associação Brasileira de Farmacêuticos (*Brazilian Pharmaceutical Association*): Rua dos Andradas 96, 10°, Caixa Postal 948; f. 1916; comprises the following Comms.: *Económica e Etica Farmacéutica* (Pharmaceutical Economics and Ethics); *Desenvolvimento Cultural* (Cultural Development); *Propaganda e Intercambio Associativo* (Propaganda and Exchange); *Legislação Comercial* (Commercial Legislation); *Legislação Sanitaria* (Sanitary Legislation); *Legislação Tributaria* (Tax Legislation); *Legislação de Marcas e Patentes* (Trade Marks and Patents); library; 950 mems., hon. and corresponding, 117 in Argentina, Belgium, Chile, Colombia, Cuba, Ecuador, France, Holland, Italy, Paraguay, Peru, Portugal, Spain, Switzerland, United States, Uruguay, Venezuela; Pres. Nuño Alvares Pereira; Admin. Vice-Pres. Jayme P. Gomes da Cruz; Social Vice-Pres. José Messias do Carmo; Sec.-Gen. Ivo de Almeida Rebello; Treas. Pierre d'Almeida Telles; publ. *Revista Brasileira de Farmácia* (monthly).

Associação Brasileira de Odontologia (*Brazilian Dental Association*): Av. 13 de Maio 13-10°; f. 1937; 1,500 mems.; library 4,000 vols.; Pres. Dr. Mario Araujo; publ. *Revista Brasileira de Odontologia* (monthly).
Subsidiary: Seção Cultural (Advanced School), Rua A. Guanabara 17/21, 8°.

Instituto "Benjamin Constant" (*Institute for the Blind*): formerly Instituto de Cegos; f. 1854 as Imperial Instituto de Meninos Cegos (*Imperial Institute for Blind Children*); the Institute took its present name from its third Director, Benjamin Constant (1869-89); library; Dir. David Wakmin Netto; publs. monthly review in Braille, *Revista Brasileira para Cegos.*

Instituto de Nutrição (*Institute of Nutrition*): Largo da Misericordia 24; f. 1946; Dir. Prof. Clementino Fraga Filho; publ. *Arquivos Brasileiros de Nutricao.*

Instituto Oswaldo Cruz (*Oswaldo Cruz Institute*): Avda. Brasil, C.P. 926; f. 1900; library 160,000 vols.; scientific staff of 120; Dir. Prof. Dr. Joaquim Travassos da Rosa; Librarian Emilia Bustamente; publs. *Memorias* and monographs.

Instituto Experimental de Veterinária (*Institute of Experimental Veterinary Science*): Rua de Rosario 134; f. 1921; publ. *Revista de Zootecnica e Veterinária.*

Instituto Nacional de Farmacologia (*National Institute of Pharmacology*): Av. Pres. Antonio Carlos 207, 1°.

Instituto de Medicos Especialistas (*Institute of Medical Specialists*): 220 Av. Atlántica.

Laboratório Químico Farmacêutico do Exército (*Army Laboratory of Pharmaceutical Chemistry*): Rua Licínio Cardoso 250; f. 1873; Dir. Deusdedt Batista da Costa.

Serviço Nacional de Lepra (*Service for the Control of Leprosy*): Rua Washington Luis 13; f. 1941; Dir. Dr. Noel Nutles; publ. *Boletim.*

Sociedade Brasileira de Dermatologia e Sifilografia (*Brazilian Dermatological and Syphilographical Society*): Caixa Postal 389; f. 1912; 1 hon. Pres., 40 hon. mems., 81 corresponding mems., 248 mems.; Pres. Dr. R. D. Azulay; Sec.-Gen. Dr. Jarbas A. Porto; publ. *Anais Brasileiros de Dermatologia e Sifilografia.*

Sociedade Brasileira de Psiquiatria, Neurologia e Medicina Legal (*Brazilian Society of Psychiatry, Neurology and Forensic Medicine*): Rua Álvaro Ramos 405; f. 1907; Pres. Dr. Heitor Peres; publ. *Arquivos Brasileiros de Neuriatria e Psiquiatria.*

Sociedade de Medicina e Cirurgia do Rio de Janeiro (*Rio de Janeiro Medical and Surgical Society*): 197 Av. Mem de Sá; f. 1880.

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Bahia

Associação Bahiana de Medicina (*Medical Society*): Avda. Sete de Setembro 48, 1°; f. 1894; Pres. Dr. José Silveira; Sec.-Gen. Dr. Menandro Novaes; publ. *Annaes.*

Sociedade de Pediatria de Bahia (*Pædiatrics Society*): Avda. Joanna Angélica 75; 43 mems.; Pres. Dr. Elysio Pereira de Athayde; publ. *Pediatria e Puericultura.*

Belo Horizonte

Instituto "Ezequiel Dias" (Instituto de Biologia e Patologia Médica): Caixa Postal 26, Gameleira; under the Secretariat of Health and Public Welfare; Dir. Dr. Lívio Renault; publ. *Memórias.*

Sociedade de Medicina, Cirurgia e Farmacia (*Medical, Surgical and Pharmaceutical Society*): f. 1900; publ. *Boletim,*

Butantan, São Paulo

Instituto Butantan (*Butantan Institute*): Avda. Vital Brazil, Caixa Postal 65; f. 1901; Library, 40,000 vols., on ophiology and other scientific subjects; famous snake farm; Public Health Institute for research and the production of vaccines, sera, etc.; Hospital Vital Brasil (poisonous bites and clinical endocrinology); Dir. Dra. Flavio da Fonseca; publ. *Memorias* (annually).

Campinas, São Paulo

Instituto "Penido Bournier": a leading centre for clinical ophthalmological studies in South America.

Maceió

Sociedade de Medicina de Alagoas (*Alagoas Medical Society*): Rua do Comércio 150; f. 1917; Dir. Dr. Ezechias da Rocha; publ. *Arquivos.*

Recife

Sociedade de Medicina (*Medical Society*): f. 1897; publ. *Annaes.*

São Paulo

Associação Paulista de Medicina (*São Paulo Medical Association*): Avda. Brigadeiro Luiz António 278, Caixa Postal 2103; f. 1930; 7,300 active mems., 1,139 corresponding, 15 foreign; Pres. Henrique Mélega; Sec.-Gen. Dr. Ruy de Souza Pacheco; Librarian Pura Torres; publ. *Revista, Boletim* (both monthly).

Centro Académico "Oswaldo Cruz" (*Oswaldo Cruz Academic Centre*): publ. *Revista de Medicina.*

Instituto "Adolfo Lutz": Caixa Postal 7027; f. 1892; Central Laboratory of Public Health for the State of São Paulo; library 25,000 vols. incl. periodicals; Dir. Dr. Luis Ribeiro do Valle; Librarian Olinda Hempel de Camargo; publ. *Revista.*

Instituto de Criminologia do Estado de São Paulo (*Institute of Criminology*): Rua Conde do Pinhal 52; Dir. F. Rocco.

Instituto "Oscar Freire" (*Oscar Freire Institute*): Rua Teodoro Sampaio 115, Caixa Postal 4350; f. 1918; for instruction and research in forensic medicine; library, 3,000 vols.; Dir. Prof. Dr. Hilario Veiga de Carvalho; publ. *Boletim.*

Instituto Pasteur: Avda. Paulista 393; f. 1903; for the prevention of rabies; Dir. Dr. Carlos Gonçalves Machado.

Instituto de Radium São Francisco de Assis (*St. Francis of Assisi Radium Institute*): Avda. Brigadeiro Luiz António 1892; f. 1940; Dir. Nelson Carvalho.

Sociedade Brasileira de Historia da Medicina (*Soc. of History of Medicine*).

Sociedade de Medicina e Cirurgia de São Paulo (*São Paulo Medical and Surgical Society*): Rua do Carmo 54, Caixa Postal 1904; f. 1895; Pres. Prof. Dr. Carlos Gama; Gen. Sec. Dr. Pedro Ayres Netto; publ. *Revista de Medicina e Cirurgia de São Paulo.*

Sociedade de Medicina Legal e Criminologia de São Paulo (*Forensic Medicine and Criminological Society*): Caixa Postal 4350; f. 1921; 11 founder mems., 19 hon. mems., 191 mems., 5 associate, 184 corresponding; Pres. Prof. Dr. Hilário Veiga de Carvalho; Sec.-Gen. Dr. João Carvalhal Ribas; publ. *Arquivos* (annually).

Meteorology, Astronomy

Rio de Janeiro

Observatório Nacional do Rio de Janeiro (*Rio de Janeiro National Observatory*): Rua General Bruce 586; f. 1827; library; the Observatory operates 2 magnetic observatories and a seismological station; Dir. Lelio I. Gama; publs. *Anuário, Boletim sismológico, Táboas de Marés, Boletim Magnético, Anais, Medidas micrométricas de estrellas duplas, Publicações do Serviço Magnético, Publicações do Serviço Astronomico.*

Serviço de Meteorologia (*Meteorological Institute*): Edificio do Entreposto Federal da Pesca, Praça 15 de Novembro 2, 5° a.; f. 1921; Dir. Luiz Basto Lima; library of 39,000 vols., pamphlets and periodicals; Librarian Dr. Moacyr Orsini de Castro; publ. *Boletim Diário do Tempo.*

Pôrto Alegre

Instituto Regional de Meteorologia "Coussirat Araujo" (*Regional Meteorological Institute*): Ministério da Agricultura; f. 1909; Dir. Eng. José Luiz Paranhos de Araujo; publ. *Boletim Meteoro-Agrícola do Rio Grande do Sul.*

Philosophy

Rio de Janeiro

Sociedade Brasileira de Filosofia (*Brazilian Philosophical Soc.*): Praça da República 54; f. 1927; 80 mems., 8 hon., 5 Brazilian corresp., 12 foreign; Pres. Dr. Herbert Canabarro Reichardt; Librarian Theodorico Castello; publ. *Anais.*

Curitiba

Instituto Neo - Pitagórico (*Neo - Pythagorean Institute*): Templo das Musas, Rua Dario Velozo 460, Vila Isabel, Caixa Postal 1047; f. 1909; 293 mems.; library, 11,000 vols.; Pres. Dr. Rosala Garzuze; publs. *A Lampada* (quarterly), *Circulares* (annually), *Biblioteca Néo-Pitagórica* (half yearly), *Curso de Filosofia e Pitagorismo* (annually), *Boletim do I.N.P.* (Portuguese and English editions—quarterly), *International Bulletin* (quarterly), *Escola Primaria.*

Politics

Rio de Janeiro

Instituto Nacional de Ciência Politica (*Nat. Inst. of Political Science*): 90 Mexico.

Science

Rio de Janeiro

Centro Brasileiro de Pesquisas Fisicas (*Brazilian Centre for Physics Research*): Av. Venceslau Brás 71; f. 1949; Pres. Darci Ribeiro; Scientific Dir. José Leite Lopes; Librarian Maria Sylvia Lindgren Alves; library 8,000 vols.; publ. *Notas de Física* and Monographs.

Campinas

Centro de Ciências, Letras e Artes (*Science, Letters and Art Centre*): Rua Bernardino de Campos 989, Caixa Postal 76; f. 1901; library, approx. 30,000 vols.; Pres. Dr.

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JOÃO DE SOUSA COELHO; Gen. Sec. ARISTIDES DA COSTA VERDADE; Librarian G. ZINCK; publ. *Revista*; museum and art gallery attached.

São Paulo

Fundação Moinho Santista (*Moinho Santista Foundation*) 308 Rua São Bento; f. 1955; capital 30 million cruzeiros; purpose: to promote the advancement of science, letters and arts in Brazil by granting every year the Moinho Santista prizes consisting of the following: gold medal, diploma of recognition for outstanding service in any of the scientific, literary or artistic fields, plus two million cruzeiros in cash; Chair. Prof. JORGE AMERICANO; Vice-Chair. MANOEL CHAMBERS DE SOUZA; Sec. EUGENIO BELOTTI.

Sociedade Brasileira Para o Progresso da Ciencia (*Brazilian Society for Scientific Progress*): Caixa Postal 11,230; f. 1948; 2 000 mems.; Pres. ANISIO TEIXEIRA; Sec.-Gen. PAULO SAWAYA; publ. *Ciência e Cultura* (quarterly).

Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo: Avda. Nazaré 481, Caixa Postal 7172; f. 1939; Dir. PAULO EMILIO VANZOLINI; publs. *Arquivos de Zoologia Estado de São Paulo, Papeis Avulsos do Depto. de Zoologia* (irregular).

Sociedade Cientifica de São Paulo (*Scientific Society of São Paulo*): Caixa Postal 1904, Caixa Postal 2679; f. 1939; Pres. Dr. GASTÃO F. DE ALMEIDA; Gen. Secs. Prof. Dr. R. F. MOREIRA, Dr. M. F. DE ALMEIDA; Dir. of Scientific Council Prof. Dr. A. B. A. DE MOURA; Departments: Law (Prof. Dr. LINO M. LEME), Chemical Technology (Prof. Dr. P. G. DA FONSECA), Geology and Mineralogy (Prof. C. SLATER), Astronomy (Prof. Dr. ALIPIO LEME), Architecture (Dr. J. D. GAMA), Geneology (Cel. S. DE MOYA), Philology (Prof. A. DE MOURA), Medicine (Dr. JOSIAS F. DE ALMEIDA), History and Pre-History (Dr. GASTÃO F. DE ALMEIDA), Topography (Prof. Dr. P. F. MESQUITA); Librarian A. DE MORAES BARROS; 12,000 vols.; publs. bulletins, annual reports.

STATISTICS

Rio de Janeiro

Instituto Brasileiro de Geográfia e Estatistica (*Brazilian Geographical and Statistical Institute*): Av. Franklin Roosevelt 166; f. 1936; composed of two branches: The National Council of Geography and the National Council of Statistics; Pres. JOSÉ J. DE SÁ FREIRE ALVIM; publs. *Revista Brasileira de Estatistica Anuario Estatístico do Brasil, Boletim Estatístico, Revista Brasileira de Geográfia, Boletim Geográfico.*

National Council of Geography: Sec.-Gen. WALDYR DA COSTA GODOLPHIN; Librarian NILZA DOLORES CARVALHO; library, 40,000 vols.; publs. *Revista Brasileira de Geográfia* and *Boletim Geográphico.*

National Council of Statistics: Sec.-Gen. LAURO SODRÉ VIVEIROS DE CASTRO; Librarian NICE DOS SANTOS VILELA; Library, 18,787 vols., 3,038 periodicals; publs. *Anuário Estatistica do Brasil, Revista Brasileira do Estatistica, Boletim Estatistico* and *Revista Brasileira dos Municipios.*

TECHNOLOGY

Rio de Janeiro

Instituto Nacional de Tecnológia (*National Technological Institute*): Av. Venezuela 81; f. 1935; Dir. SYLVIO DE ABREU; Librarian MOEMA CRUZ PERRONE; Sec. Prof. PAULO DE M. MENDES DA ROCHA; publ. *Boletim, Relatório.*

São Paulo

Instituto de Pesquisas Tecnológicas (*Institute for Technological Research*): Praça Coronel Fernando Prestes, 110; C.P. 7141; f. 1899 as "Gabinete de Resistência dos Materiais"; present name since 1934; Dir. Prof. FRANCISCO JOÃO HUMBERTO MAFFEI; publs. *Boletim* (irregular), *Relatório* (yearly).

Salvador, Bahia

Instituto de Tecnológia da Bahia (*Technological Institute of Bahia*): Rua Rio S. Francisco 1, Monte Serrate; f. 1946; library of 2,000 vols.; 9 technologists; Dir. Eng. JORGE DE LACERDA KELSCH.

LIBRARIES AND ARCHIVES

Rio de Janeiro

Arquivo Nacional (*National Archives*): Praça da República 26; f. 1838; Dir. JOSÉ HONÓRIO RODRIGUES; Librarian GERALDO MARTINELLI; specialises in history of Brazil, technique of archives and legislation; 30,000 vols.

Biblioteca Británica do Rio de Janeiro (*English Library*): Rua Sachet 39, 2° andar, Caixa Postal 178; f. 1826; 12,000 vols.; publ. *Report.*

Biblioteca Central de Educação (*Central Educational Library*): Department of Education and Culture, Rua Edgar Gordilho 63, Caixa Postal 1702; f. 1932; Dir. ROSY BLEGGI PEIXOTO; 61,206 vols.

Biblioteca da Associação Brasileira de Imprensa (*Library of Brazilian Printing Association*): R. Araujo Pôrto Alegre 71, 8° andar; f. 1908; Dir. HERBERT MOSES; 40,000 vols.

Biblioteca da Câmara dos Deputados (*Library of Chamber of Deputies*): f. 1866; 100,114 vols.; Dir. LÊDA LABOURIAU; publ. *Boletim da Biblioteca da Câmara dos Deputados.*

Biblioteca da Casa de Rui Barbosa (*Rui Barbosa's Library*): Rua S. Clemente 134; f. 1930; over 40,000 vols. based on author's own collection purchased by the State; Dir. Dr. EUGÊNIO GOMES; publs. complete works of Rui Barbosa; catalogue; in 1952 a centre for research in law and philology was created at Rui Barbosa's house.

Biblioteca da Escola Politécnica (*Polytechnic School Library*): Largo de São Francisco; Dir. RUSINO DE ALMEIDA PIZARRO; 34,000 vols.; publs. *CTC—Revista de Física, Jornal Politécnico.*

Biblioteca da Faculdade Nacional de Direito (*Library of Faculty of Law*): Rua Moncorvo Filho 8; Dir. LINEU DE ALBUQUERQUE; 35,000 vols.; private State library.

Biblioteca da Faculdade Nacional de Medicina (*Library of the Faculty of Medicine*): Av. Pasteur 458; f. 1833; Librarian MARIO ARAÚJO, Jr.; 85,000 vols.; loan service.

Biblioteca Demostrativa "Castro Alves" do Instituto Nacional do Livro (*Castro Alves Library of the National Book Institute*): Associação dos Servidores Civís do Brasil, Rua Pedro Lessa 36, 2°; f. 1947; 30,000 vols.; Dir. GEORGE CUNHA DE ALMEIDA; model library.

Biblioteca do Instituto da Ordem dos Advogados Brasileiros (*Library of Lawyers' Institute*): Rua Moncorvo Filho 90; f. 1843; Dir. Dr. FORTUNATO AZULAYDE; 17,000 vols.

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Biblioteca do Mosteiro de S. Bento (*Library of the St. Benedict Monastry*): Caixa Postal 2666-ZC-00; f. 1600; Librarian D. MIGUEL VEESER, O.S.B.; 52,000 vols.; also in the towns of São Paulo, Bahia and Olinda.

Biblioteca Municipal (*Municipal Library*): Av. Pres. Vargas 1261; f. 1873; Dir. FRANCISCO GOMES MACIEL PINHEIRO; 100,000 vols.; 10 brs.; publs. *Boletim do Museu Municipal de Folclore* (monthly), *Boletim Simón Bolivar da Seção Pan-Americana* (monthly), *Boletim Bibliográfico* (monthly), *Boletim da Seção Guanabarina* (monthly).

Biblioteca Nacional do Rio de Janeiro (*National Library*): Avda. Rio Branco 219-39; f. 1810, with 60,000 vols. from the Real Biblioteca de Ajuda brought to Brazil by the Royal Family of Portugal in 1808; Dir. ADONIAS AGUIAR FILHO; *c.* 1,000,000 vols., 600,000 MSS., 250,000 engravings, maps, etc., 185 incunabula, 650,000 vols. of periodicals; publs. *Anais da Biblioteca Nacional* from 1876, *Documentos Históricos Boletim Bibliográfico* (bi-annually). Is divided into the following sections: Acquisition, Cataloguing, Circulation, Rare Works, Administrative, and a School of Librarianship. The Library acts as Registo de Direitos Autorais (registration of authors' copyright), and also operates an international exchange service with foreign countries; outstanding collection of rare works, especially of Portuguese books about Brazil; that of engravings one of the richest in the world, with originals by Dürer, Rembrandt, Mantegna, Marco Antonio, Raimondi, and many other masters, notably a "Triumph of Galatea" after Raphael, the fifth known copy in the world; manuscripts include a Bible of the 13th century and early breviaries, registers, and letters; the collection of early Brazilian newspapers is valuable, as also the printed works such as two copies of the Mainz Bible dated 1462 in perfect condition, breviaries of the 13th and 14th centuries, together with Portuguese and French works of the same period.

The Library has a School of Librarianship under the direction of Snr. ANTONIO CAETANO DIAS.

Real Gabinete Português de Leitura (*Royal Portuguese Reading Room*): Rua Luis de Camões 30; f. 1837; Pres. ALBINO SOUZA CRUZ; Librarian ARTHUR FARIA; 950 mems.; 200,000 vols.; 16th-century editions of *Os Lusiadas* by Camões, etc.; under a decree of 1935 of the Portuguese Government, the Library receives copies of all works published in Portugal; publs. *Boletim de Bibligráfia e Informações.*

Rio de Janeiro

GOVERNMENT DEPARTMENT LIBRARIES

Biblioteca do Centro Brasileiro de Pesquisas Educacionais (*Library of the Brazilian Centre of Educational Research*): Rua Voluntários da Pátria 107; f. 1938; 46,000 vols., including periodicals; specialised semi-public library on Social Sciences; Dir. ANÍSIO SPÍNOLA TEIXEIRA; Librarian ELZA N. ALVES; publ. *Bibliográfia Brasileira de Educação.*

Bibioteca do Conselho Nacional de Economia (*Library of the National Council of Economy*; formerly the Federal Council of Foreign Trade): Rua Senador Dantas 74, 14°; f. 1952; 17,500 vols.; 100 periodicals; collection of Brazilian laws, 1808-1962; publs. *Revista, Exposição da Situação Econômica do Brasil, Relatório Anual.*

Biblioteca do Departamento de Imprensa Nacional (*Library of Government Stationery Office*): Av. Rodrigues Alves; f. 1940; 18,079 vols.; Librarian DAGMAR DIAS; publ. *Boletim* (monthly).

Biblioteca do Departamento Nacional da Industria e Comércio (*Library of National Department of Industry and Commerce*): Av. Presidente Antônio Carlos 251; f. 1922; Librarian J. STREET; 15,000 vols.

Biblioteca do Departamento Nacional de Saúde (*Library of National Health Department*): Rua do Resende 128; Librarian ADILIA FLORENTINA FONSECA; publ. *Arquivos de Higiene.*

Biblioteca do Exército (*Army Library*): Ministry of War; f. 1937; Librarian MARINA DA SILVA FERREIRA; 45,000 vols.; military science, history, geography, philosophy and a collection of Brasiliana; publ. *Boletim Informativo* (monthly).

Bibliotecas do Ministério da Agricultura (*Libraries of the Ministry of Agriculture*): There are 15 libraries under the Ministry, of which the most important are those of the following organisations:

Divisão de Defesa Sanitária Vegetal (*Plant Pests*): (*see under* Learned Societies).

Instituto de Biologia Animal (*Animal Biology*): Universidade Rural, Quilômetro 47, Estrada Rio-São Paulo; library of 35,000 vols., pamphlets and periodicals; Librarian Dr. FRANCISCO ESCOBAR; publs. *Boletim Técnico, Boletim de Divulgação de Pesquisas do Instituto Econômica Rural, Revistas Agronomia e Veterinária.*

Instituto de Química Agrícola (*Agricultural Chemistry*): (*see under* Learned Societies).

Serviço de Estatística da Produção (*Statistics of Production*): Av. Pasteur 444; 43,577 vols., pamphlets and periodicals; statistics, economics, agricultural, dairy and meat production; Dir. PAULO RANGEL.

Serviço Florestal (*Forestry Service*): (*see under* Learned Societies).

Serviço de Informação Agrícola (*Agricultural Information*): Edifício do Ministério da Agricultura, Largo da Misericórdia s/n; serves as the Ministry's information office and central library; 33,100 vols., pamphlets and periodicals on agriculture and veterinary science; Librarian AIDA MAGALHÃES BIFONE; publ. *Notícias Bibliográficas.*

Serviço de Proteção dos Indios (*Protection of Indians*): Rua Mata Machado s/n, Maracanã, D.F.; 11,000 vols., pamphlets and periodicals; ethnology and anthropology; Librarian NILO OLIVEIRA VELOSO.

Superintendência do Ensino Agrícola e Veterinária (*Instruction in Agriculture and Veterinary Science*): Praça Marechal Âncora, 3° andar; 7,000 vols., pamphlets and periodicals; Dir. ANTONIO CUNHA BAYMA.

Biblioteca do Ministério da Educação e Cultura (*Library of the Ministry of Education and Culture*): Rua da Imprensa 16, 4° andar; f. 1937; Librarian EMY DO AMARAL PAMPLONA; 29,704 vols.

Biblioteca do Ministério da Fazenda (*Library of the Ministry of Finance*): Avda. Pres. Antonio Carlos 375-12° andar; f. 1943 by incorporation of various departmental libraries; Chief Librarian MARGARIDA RINELLI DE ALMEIDA; 50,156 vols. and 13,493 pamphlets; publs. *Boletim* (monthly), *Catálogo* (annually).

Biblioteca do Ministério de Minas e Energia (*Library of the Ministry of Mines and Power*): Avda. Pasteur 404, Praia Vermelha; 72,000 vols. on mineralogy; Librarian DOLORES IGLESIAS; publ. *Bibliográfia e Indice da Geologia do Brasil.*

Biblioteca do Ministério das Relações Exteriores (*Library of Ministry of Foreign Affairs*): Avda. Marechal Floriano 196; f. 1906; Librarian LYDIA COMBACAU DE

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MIRANDA; 210,726 vols., including periodicals; law, history, geography, politics and economics; rare books, including first work printed in Brazil, and only extant copy in S.A. of Richard Flecknoe's *Relation of Ten Years' Travells in Europe, Asia, Africa, and America*; publs. *Bibliográfia Mensal* and *Bibliográfia Anual*.

Mapoteca do Ministério das Relações Exteriores (*Maps Section of the Ministry of Foreign Affairs*): Avenida Marechal Floriano 196; Head ISA ADONIAS, geographer; 30,000 maps and atlases, including about 800 old and rare manuscript maps, 300 engraved maps from XVII and XVIII centuries and 2,500 maps of the Brazilian international boundaries, since colonial period; iconographic collection of 8,000 photographs, portraits; rare manuscript atlases, etc.

Biblioteca do Ministério do Trabalho, Industria e Comércio (*Library of Ministry of Labour, Industry and Commerce*): Av. Pres. António Carlos 251; f. 1871; Dir. JOEL SILVEIRA; Librarian ODETTE DUARTE OLIVEIRA; 50,000 vols.; 850 collections of newspapers; publs. *Registro Bibliográfico* (annually), periodical catalogues.

Biblioteca do Serviço de Documentação do Ministério da Justiça (*Library of Ministry of Justice*): Rua México 128, 5° andar; f. 1941; Dir. CLEA DE MELLO BELLETTI; 26,664 vols., of which 12,275 are on law, sociology, labour, and political science; very rare collection of laws of Portuguese colonial period; publ. *Jus Documentação*.

Biblioteca do Serviço de Estatística da Produção (*Library of Department of Production Statistics*): Praça Marechal Âncora; f. 1934; Librarian HELOISA CABRAL DA ROCHA WERNECK; 10,000 vols.

Biblioteca do Serviço de Estatística Econômica e Financeira (*Library of Department of Economics and Finance*): Rua Luiz de Camões 68; f. 1900; Librarian HELENA SOARES BRANDÃO; 10,000 vols.

Serviço de Documentação Geral da Marinha (*Library of the Ministry of Marine*): Ministério da Marinha, 3° andar; f. 1802; Dir. Rear-Admiral CESAR AUGUSTO MACHADO DA FONSECA; Librarian Capt. MARIO DE SEGADAS VIANA; five divisions: (1) Maritime History of Brazil; (2) Naval Library of approx. 80,000 vols.; (3) Publications: *Subsídias para a Historia Marítima do Brasil, Revista Marítima Brasileira, A Marinha em Revista*, and technical works; (4) Naval Archives; (5) Naval Museum.

Aracajú, Sergipe

Biblioteca Pública do Estado de Sergipe (*Sergipe State Public Library*): f. 1851; Dir. ALFREDO MONTES DE ARAUJO PINTO; 153,750 vols., including periodicals.

Bahia

Biblioteca Pública da Bahia (*Bahia Public Library*): Praça Tomé de Souza; f. 1811; Dir. Dr. PERICLES DINIZ GONÇALVES FILHO; 72,114 vols.

Biblioteca do Gabinete Português de Leitura (*Portuguese Reading Room and Library*): Praça 13 de Maio; Librarian JAIME SILVA; 15,000 vols.

Biblioteca do Grêmio Literário (*Library of Literary Association*): f. 1860; 15,000 vols.

Belém

Biblioteca e Arquivo Público do Pará (*Pará Public Library and Archives*): Rua Campos Sales; f. 1871; Dir. R. MORAES; 45,000 vols., 200,000 MSS.; publ. *Anais da Biblioteca e Arquivo Público*.

Biblioteca do Grêmio Literário e Comercial Português (*Library of the Portuguese Literary and Commercial Union*): Rua Senador Manuel Barata 237; f. 1867; Sec. ANÍSIO DE SOARES TEIXEIRA; 29,568 vols.; exchange service.

Belo Horizonte

Biblioteca Pública (*Public Library*): Rua da Bahia 1149; f. 1898; Dir. J. GUIMARÃES MENEGAL; 22,000 vols., 400 vols. of Braille written by the library.

Campinas

Biblioteca Santo Thomaz: f. 1923; 3,000 vols

Curitiba

Biblioteca Pública do Paraná (*Parand Public Library*): Rua Cândido Lopes, Curitiba; f. 1857; 50,000 vols.; Dir. Prof. UBALDO PUPPI.

Biblioteca da Escola Superior de Agricultura e Veterinaria do Paraná (*Library of Paraná Higher School of Agriculture and Veterinary Science*): Caixa Postal 672; 4,000 vols.; Dir. Prof. AGOSTINHO BERNARDO DA VEIGA; Sec. Prof. ARLINDO LOYOLA DE CAMARGO.

Florianopolis

Biblioteca Pública do Estado de Santa Catarina (*Santa Catarina State Public Library*): f. 1855; Dir. CARLOS DA COSTA PEREIRA; 40,000 vols.

Fortaleza, Ceará

Biblioteca da Faculdade de Direito do Ceará (*Law School Library*): f. 1864; 29,000 vols.

Biblioteca Pública do Ceará (*Ceará Public Library*): f. 1867; Librarian M. FIUZA DE PONTES; 14,000 vols.

João Pessoa

Biblioteca Pública do Estado da Paraiba (*Paraiba Public Library*): Av. General Osório 253; f. 1859; Dir. GERALDO EMILIO PORTO; 10,000 vols.

Juiz de Fóra

Biblioteca da Sociedade Propagadora Esdeva: Rua Halfeld 1179; f. 1891; 16,412 vols.

Maceió

Biblioteca do Instituto Histórico de Alagoas (*Library of Alagoas Historical Institute*): Rua João Pessoa 382; f. 1869; Perm. Sec. ABELARDO DUARTE; 7,800 vols.

Manaos

Biblioteca e Archivo Público de Manaos (*Manaos Public Library and Archives*).

Biblioteca da Associação Comercial do Amazonas (*Library of Amazonas Society of Commerce*): Rua Guilherme Moreira 281, Caixa Postal 119; f. 1902; Librarian JOÃO JAUAPERY; 7,216 vols. on trade, industry, agriculture, finance, economics, history, geography and legislation.

Niterói

Biblioteca Universitária (*University Library*): Praça da Republica; f. 1927; based on collections of Biblioteca Publica do Estado do Rio; Dir. MARIA ANTONIA DE OLIVEIRA CUNHA E ALMEIDA; possesses rare early works, newspapers and valuable first editions; 25,000 vols., notably dictionaries, encyclopædias, reference books; publs. include *A Biblioteca Universitária em 1943, Do Génio da Língua Portuguesa*.

Ouro Preto

Biblioteca da Escola de Minas de Ouro Preto (*Library of the Ouro Preto School of Mines*): Praça Tiradentes; f. 1876; Dir. JOAQUÍM MAIA; Librarian J. P. XAVIER DA VEIGA; 47,000 vols.

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Parahiba

Biblioteca Municipal (*Municipal Library*): f. 1876; Librarian D. García; 8,000 vols.

Pelotas

Biblioteca Pública Pelotense (*Public Library*): f. 1875; Librarian Humberto Canarim; 25,000 vols.; museum: publ. *Boletim* (monthly).

Petrópolis

Biblioteca Municipal (*Municipal Library*): f. 1870; Librarian Maria Helena de Avellar Palma; 70,000 vols.; 2 branches.

Pôrto Alegre

Biblioteca Pública do Estado do Rio Grande do Sul (*Rio Grande do Sul State Public Library*): f. 1859; Dir. Reinaldo Moura; 70,400 vols.

Biblioteca da Escola Técnica Parobé (*Library of Parobé Technical School*): Rua Sarmento Leite 425; f. 1906; Dir. Eng. Edmundo G. Conrad; 4,000 vols.

Recife

Biblioteca Pública do Estado de Pernambuco (*Pernambuco State Public Library*): f. 1852; Dir. Olympio Costa Jr.; *c.* 80,000 vols.

Cidade do Rio Grande

Biblioteca Rio Grandense (*Rio Grande Library*): Rua General Osório; f. 1846; Dir. Flora V. de Castro; about 100,000 vols., 2,000 maps.

Rio Negro

Biblioteca do Convento dos Franciscanos (*Library of Franciscan Monastery*): f. 1922; Sec. Frei Alfredo Setáro, O.F.M.; 20,000 vols.

Santos

Biblioteca da Sociedade Humanitária dos Empregados no Comércio (*Library of Cultural Society of Commercial Employees*): Praça José Bonifacio 59, Caixa Postal 9; f. 1887; Librarian Alberto Rodrigues; 16,936 vols.

São Luiz

Biblioteca Pública do Estado (*Public State Library*): Praça de Panteon; f. 1829; 38 mems.; Dir. Maria José Vaz Dos Santos; Librarian Roberto Tamara; 45,000 vols.; collections of more than 15,000 engravings, and newspapers dating back to 1821.

São Paulo

Biblioteca Municipal Mario de Andrade (*Municipal Library*): Rua Consolação 94; f. 1925; Dir. Francisco de Azevedo; 400,000 vols.; incorporates former Biblioteca Pública do Estado de São Paulo; a few MSS., collections of old maps, rare editions; arts and micro-film sections; publ. *Boletim.*

Biblioteca do Conservatório Dramático e Musical de São Paulo (*Library of Academy of Music and Drama*): Av. São João 269; f. 1906; Dir.-Sec. Francisco Casabona; Librarian Nestor Assis Ribeiro; 24,000 vols.

Biblioteca do Departamento do Arquivo do Estado de São Paulo (*Library of São Paulo State Archives*): Rua Antônia de Queiroz 183; f. 1892; 22,000 vols.; collections of rare books, MSS., periodicals, maps, and plans; private State library; Dir. José Soares de Souza; publs. *Boletim, Documentos Interessantes para a Historia e Costumes de São Paulo, Documentos Avulsos, Inventários e Testamentos*, and, periodically, documents from the Archives.

Biblioteca do Departamento de Profilaxia da Lepra do Estado de São Paulo (*Library of Department for Prevention of Leprosy*): Av. Enéas Carvalho Aguiar, 301, Caixa Postal 8027; f. 1932; Librarian Luiza Keffer; 60,000 vols., valuable collection of works, reviews, maps on dermatology and leprosy, and rare works dating from 1600; publs. *Sumário Bibliográfico* (monthly analyses from reviews), *Revista Brasileira de Leprologia, Indice Bibliográfico de Lepra, 1500-1945*, by Luiza Keffer, *Indice Bibliográfico de Lepra, 1910-1956, Indice da Bibliográfia Dermatológica Brasileira, 1930-1950*, catalogues of periodicals; translations of works on leprosy; consultations by correspondence and appointment; public State library.

Biblioteca "George Alexander" (*George Alexander Library*): Rua Maria Antónia 403; f. 1870 as Mackenzie Library, present name 1926; Librarian Heloisa de Almeida Prado; 38,000 vols. and children's library.

Biblioteca do Museu Paulista (*São Paulo Museum Library*): Caixa Postal 8032, f. 1895; Dir. Dr. Mario Neme; Head of Library, Archives and Publications Dept. Nicio Ribeiro Barbosa; 43,000 vols.; rare 16th and 17th century works; specialised semi-public library; publs. *Anais, Revista do Museu Paulista*, and *Boletim do Museu Paulista* (*see under* Museums).

Biblioteca Pedagógica Central: Rua D. Veridiana 220; f. 1931; Librarian José de Oliveira Orlandi; 11,794 vols.; publ. *Revista de Educação.*

Biblioteca do Clube Português de São Paulo: Av. São João 126; f. 1920; Dir.-Librarian Francisco Henrique Lopes; 15,000 vols.; publ. *Portugália.*

Biblioteca da Secretaria da Agricultura (*Library of São Paulo State Department of Agriculture*): Caixa Postal 8116; f. 1907; Chief Librarian Carmen Arruda Botelho Lorena; 30,000 vols. publs. pamphlets on agricultural bibliography; Dir. of Agricultural Publicity Manoel Dos Reis Araujo.

Villa de Iconha

Biblioteca Iconhense (*Iconha Library*): Librarian A. J. Duarte; 5,000 vols.

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MUSEUMS

Rio de Janeiro

Museu Carpológico do Jardim Botânico do Rio de Janeiro (*Museum of Carpology of the Botanic Garden*): Rua Jardim Botânico 1008; Dir. Dr. FERNANDO ROMANO MILANEZ; specialises in Botany.

Museu da Divisão de Geologia e Mineralogia (*Museum of the Geological and Mineralogical Division of the Ministry of Agriculture*): Av. Pasteur 404, Praia Vermelha; Dir. FRANCISCO MOACIR VASCONCELOS; collections of minerals, rocks and fossils of Brazil.

Museu da Secção de Tecnologia do Serviço Florestal do Ministério da Agricultura (*Museum of the Technological Department of the Forestry Service—Ministry of Agriculture*): Rua Major Rubéns Vaz, 122, Gávea; f. 1938; Dir. Dr. NEARCH AZEVEDO DA SILVEIRA; specialises in wood technology; contains 7,000 samples of wood from Brazil and other countries; display of forestry products and hand-made wood objects; publs. *Arquivos do Serviço Florestal, Revista Florestal e Rodriguésia.*

Museu de Arte Moderna do Rio de Janeiro (*Museum of Modern Art*): Av. Beira Mar, Caixa Postal 44; f. 1948; Exec. Dir. ALOYSIO DE PAULA; Assoc. Exec. Dir. Dr. CARMEN PORTINHO; collections representing different countries; exhibitions, courses, concerts, films; publs. catalogues, bulletins.

Museu de Caça e Pesca (*Museum of Hunting and Fishing*): Praça 15 de Novembro, Ed. da Pesca, 4° andar; f. 1939; collections include vertebrates, mammals, birds and reptiles from the principal regions of Brazil; scientific espeditions; publ. *Monograph.*

Museu de Geográfia do Brasil (*Museum of Geography of Brazil*): Av. Calógeras 6-B, sobreloja; f. 1943; Dir. Prof. ORLANDO VALVERDE; Dept. of the National Council of Geography.

Museu de Polícia (*Police Museum*): Rua Francisco Eugênio 228, 1°; f. 1945; collections of guns and instruments used in crimes, Afro-Brazilian magi, gambling material; Dept. of Public Security.

Museu de Saúde do Serviço Nacional de Eduçacão Sanitária (*Health Museum—National Service of Sanitary Education*): rua Coelho e Castro 6, 10°; f. 1952; covers embryology, teeth, nourishment, anatomy and pathology; library of 2,200 vols.

Museu do Indio (*Indian Museum*): rua Mata Machado 127, Maracaña; f. 1953; Dir. JOSIAS FERREIRA DE MACEDO; exhibitions and expeditions, photographic collection and library includes films and recordings of music and songs.

Museu do Instituto Histórico e Geográfico Brasileiro (*Museum of the Brazilian Historical and Geogrpahical Institute*): Av. Augusto Severo 4, 2°; f. 1838; history, geography and ethnography collection.

Museo e Arquivo Histórico do Banco do Brasil (*Museum of the Historical Archives of the Bank of Brazil*): Av. Rio Branco 65-16°; f. 1955; Dir. FERNANDO MONTEIRO; collection of Brazilian coins of 3,483 pieces in gold, silver and copper, also mint coins and 10,973 coins from other countries; library of 15,500 vols.; publ. *Mapa Numismático.*

Museu Histórico da Cidade do Rio de Janeiro (*Historical Museum of the City*): Estrada Santa Marinha, s/n, Parque da Cidade, Gávea; f. 1934; Dir. PASQUALINO DE ALMEIDA E SILVA; history and art; library.

Museu Histórico Nacional (*National Historical Museum*): Praça Marechal Ancora, s/n; f. 1922; Dir. Dr. JOSUÉ MONTELO; now contains the former Military and Naval Museums; collection of naval prints and paintings, besides historical exhibits; organises courses in museology; library; publs. guides, catalogues, pamphlets.

Museu Nacional (*National Museum*): Quinta da Bôa Vista, São Cristóvão; f. 1818; Dir. Dr. NEWTON DIAS DOS SANTOS; Sections: geology, mineralogy, botany, zoology, anthropology, ethnography, and education; *c.* 1,000,000 specimens; library, 180,000 vols.; publs. *Arquivos do Museu Nacional* (1876), *Boletim* and *Revista do Museu Nacional, Manuais, Publicações Avulsas* (1944), guides, catalogues, pamphlets, etc.

Museu Nacional de Belas Artes (*National Museum of Fine Arts*): Av. Rio Branco 199; Dir. JOSÉ ROBERTO TEIXEIRA LEITE; holds annual exhibitions of painting, sculpture, engraving, architecture and fine arts; publs. *Annual, Bulletin* and catalogues.

Belém (Pará)

Museu Paraense Emílio Goeldi (*Goeldi Natural History and Ethnographical Museum*): Caixa Postal 399; f. 1871; Dir. Dr. WALTER ALBERTO EGLER; natural history, anthropology and ethnography of the Amazon region; zoological and botanical garden; publ. *Boletim do Museu Paraense Emílio Goeldi* (four separate series, on Anthropology, Botany, Geology and Zoology, numbered in order of publication).

Belo Horizonte (Minas Gerais)

Museu Histórico (*Historical Museum*): Rua Bernardo Mascarenhas s/n, Cidade Jardim; f. 1941; Dir. MARIO LÚCIO BRANDÃO; local collection.

Campinas (São Paulo)

Museu de História Natural (*Natural History Museum*): Bosque dos Jequitibás; f. 1939; Founder and Dir. REYNALDO A. WUNSCHE.

Campo Grande (Matto Grosso)

Museu Regional D. Bosco (*D. Bosco Regional Museum*): Av. Mato Grosso s/n; f. 1951; Dir. ANGELO JAYME VENTURELLI; ethnographic collection.

Curitiba (Paraná)

Museu Paranáense (*Paraná Museum*): Rua Buenos Aires 200; f. 1876; Dir. JÚLIO MOREIRA; historical, anthropological, ethnographical, botanical and zoological specimens; publs. *Arquivos do Museu Paranáense* and special papers.

Florianópolis (Santa Catarina)

Casa de Vitor Meireles (*Victor Meireles' House*): Rua Saldanha Marinho 3; f. 1952; paintings and water colours of the artist.

Fortaleza (Ceará)

Arquivo Público e Museu Histórico do Estado do Ceará (*State Historical Museum*): Praça da Sé 332; public archives and historical museum.

Museu Histórico e Antropológico do Ceará (*Ceará State Historical and Anthropological Museum*): Av. Visconde de Cauipe 2431, Benfica; f. 1933; Dir. RAIMUNDO GIRÃO.

Museu "Rocha" (*Rocha Museum*): Rua 24 de Maio 214; f. 1890; zoological, mineralogical, anthropological specimens; Dir. and Propr. Prof. DIAS DA ROCHA.

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Goiânia (Goiás)

Museu Estadual (*Goiás State Museum*): Praça Cívica; f. 1946; Dir. REGINA LACERDA; general museum.

Itatiaia (Rio de Janeiro)

Museu Regional do Parque Nacional do Itatiaia (*Regional Museum of Itatiaia National Park*): f. 1942; local flora.

Itú (São Paulo)

Museu Repúblicano Convenção de Itú (*Itú Convention Republican Museum*): Rua Barão de Itaim 69; f. 1923; Cons. MARIA ANTÔNIA L. SAMPAIO; historical; an affiliation of **Museu Paulista,** São Paulo.

Macapá (Território do Amapá)

Museu Territorial do Amapá (*Amapá Territorial Museum*): Fortaleza de S. José de Macapá; f. 1948; zoology, archæology, ethnography and numismatics; expeditions.

Manaus (Amazonas)

Museu do Instituto Geográfico e Histórico do Amazonas (*Museum of the Historical and Geographical Institute of Amazonas*): Rua Bernardo Ramos 131.

Natal (Rio Grande do Norte)

Museu do Instituto Histórico e Geográfico do Rio Grande do Norte: Rua da Conceição 622.

Olinda (Pernambuco)

Museu Regional de Olinda (*Regional Museum of Olinda*): Rua do Amparo 128; f. 1934; historic and regional art.

Ouro Preto (Minas Gerais)

Museu da Escola Nacional de Minas e Metalurgia (*Museum of National School of Mines*): f. 1876; affiliated to the University of Brazil; Dir. Prof. SALATHIEL TORRES.

Museu da Inconfidência (*History of Democratic Ideals and Culture in Minas Gerais*): Praça Tiradentes; f. 1938; Dir. ORLANDINO SEITAS FERNANDES; library, 2,100 vols.

Petrópolis (Rio de Janeiro)

Museu Imperial (*Imperial Museum*): Av. 7 de Setembro 220; f. 1940; Dir. FRANCISCO MARQUES DOS SANTOS; 15,880 period exhibits of Brazilian Empire and Petropolis history 1808-89, notably imperial regalia, jewels and apparel valued at 150 million cruzerios; publ. *Anuário.*

Pôrto Alegre (Rio Grande do Sul)

Museu "Julio de Castilhos" (*State Museum*): Rua Duque de Caxias 1231; f. 1903; Dir. Dr. DERLY DE A. CHAVES, PH.D.; 4,550 exhibits of national history, including the 1835 Revolutionary period, the Paraguayan War, and collection of Indian pieces; armoury.

Recife (Pernambuco)

Museu do Estado (*State Museum*): Av. Rui Barbosa 960; f. 1929; Dir. JOSÉ MARIA CARNEIRO DE ALBUQUERQUE E MELO; collection of local history.

Museu do Instituto Arquéologico, Histórico e Geográfico Pernambucono: Rua do Hospício 130.

Rio Grande (Rio Grande do Sul)

Museu Oceanográfico (*Oceanographic Museum*): Praça Tamandaré; f. 1953; Pres. Dr. ELIÉZER DE CARVALHO RIOS; maritime fauna.

Sabará (Minas Gerais)

Museu do Ouro (*Gold Museum*): f. 1946; Dir. Dr. ANTONIO JOAQUIM DE ANDRADE E ALMEIDA; museum housed in a building dated 1730; Sections: Technical, Historical, Artistic; antique methods of gold mining and smelting; gold ingots, 18th century silverware, 18th century furniture and typical handicrafts of the mining districts.

Salvador (Bahia)

Museu de Arte Antiga: Instituto Femenino da Bahia (*Early Art Museum: Bahia Feminine Institute*): Rua Monsenhor Flaviano 2; f. 1933; Dir. HENRIQUETA MARTINS CATHARINO; collections of religious art, Brazilian art and feminine apparel; also the **Museo de Arte Popular:** f. 1929; gold, silver, jewelry, clothing, weapons.

Museu do Estado da Bahia (*Bahia State Museum*): Avda. Joana Angélica 198; f. 1918; Dir. JOSÉ ANTONIO DO PRADO VALLADARES; library, 4,890 vols.; 9,254 exhibits; general collection, with emphasis given to art, particularly Bahian Colonial art; publ. *Publicacões do Museu.*

Museo do Instituto Gégrafico e Histórico da Bahia: Av. Sete de Setembro; f. 1894; Dir. FRANCISCO DA CONCEIÇÃO MENEZES; mineralogy section, geography, history and folklore.

Museu do Instituto Nina Rodrigues: Rua Alfredo Brito; f. 1896; legal medicine and anthropology.

São Paulo

Museu de Arte Moderna (*Modern Art Museum*): Rua Sete de Abril 230, 2°; f. 1946; Dir. WOLFGANG PFEIFFER; Art Dir. SERGIO MILLIET; promotes the *Bienais,* an exhibition of international character consisting of canvas, sculpture, engravings, drawings, and architectural works; school of craftsmanship.

Museu de Arte de São Paulo: 7 de Abril, 230; f. 1947; Dir. P. M. BARDI; collection of classical and modern paintings, Italian, Spanish, Dutch, Flemish, and French schools; also representative works by Portinari and Lasar Segall; art and music schools and Junior Orchestra attached; Chair. ASSIS CHATEAUBRIAND.

Museu da Curia Metropolitana (*Metropolitan Synod Museum*): Praça Clovis Bevilacqua 37; f. 1919; Dir. Padre JOÃO KULAY; religious art, numismatics.

ffiuseu do Departamento de Zoologia da Secretaria de Agricultura de São Paulo (*Museum of the Department of Zoology—Agriculture Board of São Paulo*): Av. Nazaré 481; f. 1939; Dir. P. E. VANZOLINI; 500,000 samples of Brazilian fauna; library 40,000 vols.; publs. *Arquivos de Zoologia* and *Papeis Avulso.*

Museu de Etnográfia da Faculdade de Filosofia, Ciências e Letras (*Ethnographical Museum of the Faculty of Philosophy, Science and Letters, São Paulo University*): Caixa Postal 8105; f. 1932; Dir. Prof. EGON SCHADEN; over 3,000 exhibits relating to Brazilian Indian cultures, including fine Canella and Bororo collections, Tupi ceramics, Rio Negro wooden signal drums; specialised library open to the public by appointment; publs. series on anthropology.

Museu Florestal "Octavio Vecchi" (*Forestry Museum*): Caixa Postal 1322; f. 1931; Dir. Eng. Agr. ARMANDO VENTURA; a dependency of the Servico Florestal do Estado; forestry and forest technology, collections of local timber.

Museu Folclórico da Discoteca Pública Municipal (*Museum of Folklore of the Public Municipal Record Collection*): Av. Brigadeiro Luiz Antônio 278, 7° andar; f. 1937; 778 pieces.

Museu Paulista (*Paulist Museum*): Alto do Ipiranga; f. 1895; Dir. HERBERT BALDUS; library, 43,000 vols.; historical, ethnological, numismatic specimens; publs. *Anais, Boletim, Revista.*

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Pinacoteca do Estado de São Paulo (*State Art Gallery*): Praça da Luz 2; f. 1906; 17 mems.; Dir. Tulio Mugnaini; publs. catalogues, lectures on art.

Teresópolis (Rio de Janeiro)

Parque Nacional da Serra dos Orgãos (*National Park*): f. 1940; Dir. Gil Sobral Pinto; museum.

Terezina (Piauí)

Casa "Anísio Brito" (*"Anísio Brito's House*): Rua Coelho Rodrigues 1016; f. 1941; library and public archives and Piauí historical museum.

Vitória (Espírito Santo)

Museu de Arte Religiosa (*Museum of Religious Art*): Rua José Marcelino s/n; f. 1945; museum of the colonial sacred art.

Museu Capichaba: Av. 15 de Novembro, Jucutuquara; f. 1939; State Museum consisting of sections on archæology, ethnography, sacred art, weapons, folklore and numismatics.

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Founded 1946

Rector: Dr. Albérico Pereira Fraga.

Number of teachers: 540.

Number of students: 5,787.

Libraries: Law Faculty, 3,500 vols.; Medical Faculty f. 1836, 28,000 vols.

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Braga Guimarães, Admar (Urban Social Organisation).
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César Pires, Tito (Strength of Materials, Building Study).
Figueirêdo Brandão, Jair de (Modelling).
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Lima Pitta, Climério de (Reinforced Concrete).
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Silva, Newton Raimundo da (Drawing).
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Velloso Gordilho, Walter (Structural Systems, Architectural Composition).

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Founded 1920

Rector: Dr. PEDRO CALMÓN MONIZ DE BITTENCOURT.

Number of teachers: 1,402.

Number of students: 8,225.

Publications: *Anais da Universidade do Brasil, Boletim da Universidade do Brasil, Anais da Faculdade Nacional de Odontologia, Anuário da Escola Nacional de Engenharia, Anuário da Escola Nacional de Quimica, Arquivos da Escola Nacional de Belas Artes, Bibliográfia Geográfica do Brasil, Boletim de Geográfia, Boletim de História, Cadernos de Ciências Sociais, Jornal de Psiquiatria, Revista da Faculdade Nacional de Filosofia.*

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LIMA, HERMES (Introduction to the Science of Law).
LINS PALMEIRA, PEDRO (Civil Judiciary Law).
MADUREIRA DE PINHO, DEMOSTHENES (Penal Law).
LONDRES DA NÓBREGA, VANDICK (Roman Law).
MANGABEIRA, FRANCISCO (Political Economy).
MORAES FILHO, EVARISTO DE (Labour Law).
PAULO DA ROCHA, CLÓVIS (Civil Law).
PENTEADO STEVENSON, OSCAR (Penal Law).
PEREIRA VIANA, ATALIBA (Constitutional Law).
SAN THIAGO DANTAS, FRANCISCO C. (Civil Law).
SILVA CAMPOS, FRANCISCO LUIZ DE (Philosophy of Law).
SOUZA GOMES, HELIO DE (Legal Medicine).
TEIXEIRA VALLADÃO, HAROLDO (Private International Law).
TORNAGHI, HELIO BASTOS (Penal Judiciary Law).

Faculty of Medicine:
ABREU FIALHO, SILVIO DE (Ophthalmology).
ACIOLLI RABELLO, FRANCISCO EDUARDO (Dermatology and Syphilology).
ALIPIO BRUNO LOBO, FRANCISCO (Histology and Embryology).
ANDRADE, MARIANO AUGUSTO DE ANDRADE (Surgery).
CANEJO, ALBERTO FRANCISCO (Anatomy and Physiological Pathology).
CARVALHO, PAULO DE (Urology).
CASTRO PINHEIRO GUIMARÃES, UGO DE (Surgery).
CESAR MARTINS, THALES (Physiology).
CHAGAS FILHO, CARLOS (Physical Biology).
FIGUEIREDO, CARLOS AUGUSTO DE O. (Urology).
FRAGA FILHO, CLEMENTINO (Medicine).
FROES DA FONSECA, ALVARO (Anatomy).
GOES, RAULO DE (Microbiology).
IBIAPINA, ANTONIO (Phthisiology).
JOÃO FEIJO, GENTIL LUIZ (Medicine).
LEME LOPES, JOSÉ (Psychiatry).
LIMA, CARLOS CRUZ (Medical Propædeutics).
LIMA, ERMIRO (Oto-Rhino-Laryngology).
LIMA, OCTAVIO RODRIGUES (Obstetrics).
LOPES PONTES, JOSÉ DE PAULA (Medicine).
LUTZ, GUALTER ADOLPHO (Legal Medicine).
MAGALHÃES GOMES, EDGARD (Medicine).
MAMERI ABEDUR, ASSAD (Surgery).
MORAES GREY, JORGE DE (Surgical Propædeutics).
MOTTA MAIA, MANOEL CLAUDIO DE (Operational Techniques).
NOGUEIRA JUNIOR, ANIBAL DA ROCHA (Therapeutics).
NUNES COUTO, DEOLINDA AUGOSTO DE (Neurology).
PEREIRA MONTEIRO, ALFREDO ALBERTO (Surgery).
RIBEIRO DA FONSECA, OLIMPIO O. (Parasitology).

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RIBEIRO DE ARAUJO, ACHILES (Surgery and Infantile Orthopædics).
RODRIGUES DA SILVA, JOSÉ (Tropical Diseases and Infections).
ROCHA, JOSÉ MARTINHO DA ROCHA (Pediatrics).
ROSA, JOSÉ VITOR (Radiology).
SCORZELLI JÚNIOR, ACHILLES (Hygiene).
SILVA FIALHO, AMADEU DA (Anatomy and Physiological Pathology).
SILVA LACAZ, PAULO DA (Chemical Physiology).

Faculty of Odontology:
ARMANDO, ROBERTO ALVARES (Histology and Microbiology).
ARMANDO JURGENSEN, CLAUDIO (Microbiology).
ARRUDA DE BRITO, ABELARDO (Technical Odontology).
BEVILACQUA, SYLVIO (Surgical Odontology).
EDIMO SOARES MARTINS, JOSÉ (Orthodontology and Child Dentistry).
ESTEVAM DE LIMA, ERMIRO (Anatomy).
FERREIRA PIRES, JOSÉ (Surgical Odontology).
LEÃO FONTES, CHRYSO DE (Buco-Facial Prosthetics).
LESSA BASTOS, DECIO (Histology).
MARTINS ALVAREZ, JOSÉ (Metallurgy and Applied Chemistry).
MELLO DORIA, ALVARO DE (Hygiene and Legal Odontology).
MOOJEN DE OLIVEIRA, VIRGILIO (Dental Prosthetics).
PEDREIRA, RUGERPE ANTONIO (Pathology and Applied Therapeutics).
VIGNOLI, JAYME (Physiology).

Faculty of Pharmacy:
ALVARES PEREIRA, NUNO (Pharmacodynamics).
BELFORT BETHLEM, MARIA LUIZ (Chemical Bromatology).
DINIZ DA SILVA, EMILIO (Galenic Pharmacy).
GOES, PAULO DE (Microbiology).
MEDINA QUINTELA, DONALDSON (Analytical Chemistry).
MORÃES, RUY GÔMES DE (Zoology and Parasitology).
NORONHA DA COSTA, ALVARO (Chemical Pharmacy).
OCCHIONI, PAULO (Applied Botany and Pharmacy).
PECEGUEIRO GOMES DA CRUZ, JAYME (Pharmacognosy).
RODRIGUES PEREIRA, LAFAYETTE (Applied Physics and Pharmacy).
SILVA JARDIM, ALCIDES FIGUEIREDO DA (Industrial Pharmaceutical Chemistry).
SILVA JÚNIOR, MARCELO (Hygiene and Legal Pharmacy).
SILVA JÚNIOR, MARCELO (Public Health).
SILVA LACAZ, PAULO DA (Organic Chemistry and Biology).
TAVEIRA, MARIO (Chemical Bromatology and Toxicology).

Faculty of Philosophy:
Social Sciences:
ABREU DA ROCHA FREIRE, LUCY (Human Geography).
ALAYDE SOARES, WANDA (History of Philosophy).
APOLÔNIO DE CASTRO, JOSUÉ (Human Geography).
KINGSTON, JORGE (General and Applied Statistics).
LEAL, HILDEBRANDO (Sociology).
LIMA MENEZES, DJACIR (Economic History).
NUNES LEAL, VICTOR (Politics).
RIBEIRO, DARCY (Brazilian Ethnography).
SÃO PAULO DE VASCONCELOS, MARIHA (Anthropology and Ethnography).
ZBROZEK, JERSY ZBIGNIEW (Ethics and Aesthetics).

Philosophy:
BORGES VIEIRA PINTO, ALVARO (History of Philosophy).
CAMPOS, NILTON (Psychology).
LEAL, HILDEBRANDO (Sociology).
PRADO MENDONCA, EDUARDO (Philosophy).
ZBROZEK, JERZY ZBIGNIEW (Ethics and Aesthetics).

Pedagogy:
ALAYDE SOARES, WANDA (History of Philosophy).
AVIDOS PEIXOTO, MARIA ELISA (Biological Fundamentals of Education).
FORTES ABU-MERHY, NAIR (School Administration and Comparative Education).
FARIA GÓES SOBRINHO, JOSÉ DE (Statistical Education).
JOBIM BITENCOURT, RAUL (History and Philosophy of Education).
KANITZ VICENTE VIANA, DULCE (Educational Psychology).
LEAL, HILDEBRANDO (Sociology).
MULLER BUENO, LAURO (History of Education).
OTONI DE CARVALHO, LUCI (Complementary Mathematics).

Anglo-Germanic Literature:
AMOROSO LIMA, ALCEU (Brazilian Literature).
FERREIRA DA CUNHA, CELSO (Portuguese Language).
KOHNEN, FRANZ (German Language and Literature).
KOHNEN, MANSUETO (German Language and Literature).
MATOSO CÃMARA JÚNIOR, JOAQUIM (Linguistics).
OLIVEIRA GOMES, AILA DE (English Literature and Language).

Classical Literature:
BERGE, REINHOLT JOSÉ AUGUSTO (Greek Literature and Language).
FARIA JÚNIOR, ERNESTO DE (Latin Language and Literature).
FERREIRA DA CUNHA, CELSO (Portuguese Language).
MARTINS MOREIRA, THIERS (Portuguese Literature).
MATOSO CÃMARA JÚNIOR, JOAQUIM (Linguistics).
SILVA NETO, SERAFIM DA (Romance Philology).
TRINDADE NEGRÃO, MARIA JOSÉ DA (Brazilian Literature).

Romance Literature:
ALVIM CORREIA, ROBERTO (French Language and Literature).
AMOROSO LIMA, ALCEU (Brazilian Literature).
GRASSIA SEBENO BIACHINI, AIDA (Italian Language and Literature).
FARIA JÚNIOR, ERNESTO DE (Latin Language and Literature).
FERREIRA DA CUNHA, CELSO (Portuguese Language).
KARACUCHANSKY JOSEF, BELA (Hispanic American Literature).
LISBOA, JOSÉ CARLOS (Spanish Language and Literature).
MARTINS MOREIRA, THIERS (Portuguese Literature).
MATOSO CÃMARA JÚNIOR, JOAQUIM (Linguistics).
SILVA NETO, SERAFIM DA (Romance Philology).

Geography:
ABREU DA ROCHA FREIRE, LUCY (Human Geography).
CASTRO, JOSUÉ APOLONIO DE (Human Geography).
DEMANGEOT, JEAN (Regional Geography).
LENZ CESAR, HELDIO XAVIER (Cartography).
QUEIROZ RABELO, CLARINDO DE (Mineralogy and Petrography).
RIBEIRO LEUZINGER, VICTOR (Physical Geography).
SÃO PAULO DE VASCONCELOS, MARINA (Anthropology and Ethnography).
STERNBERG, HILDGARD (Geography of Brazil).

History:
ALBUQUERQUE LIMA, SILVIO JULIO DE (History of America).
LEITE LINHARES, MARIA YEDDA (Modern and Contemporary History).
PINTADO Y CAMACHO, RAMIRO FERNANDEZ (Iberian Civilisation).
VIANNA, EREMILDO LUIZ (History of Antiques).
VIANNA, HÉLIO (History of Brazil).

Physics:
ABDELHAY, JOSÉ (Mathematical Analysis and Higher Analysis).
DIAS TAVARES, ARMANDO (General and Experimental Physics).
LEITE LOPES, JOSÉ (Theoretical Physics and Higher Physics).
MANSUETO GIULIO LATTES, CESAR (Nuclear Physics).
OLIVEIRA JÚNIOR, ERNESTO LUIZ DE (Geometry).
SUSSEKIND ROCHA, PLINIO (Rational Mechanics).

Natural History:
ARENS, KARL (Botany).
AZEVEDO PACHECO LEÃO, ARISTIDES (Comparative Animal Anatomy and Physiology).
CALHEIROS DA G. DE M. KEITÃO, ALOISIO (Zoology).
CHAGAS FILHO, CARLOS (Biophysics).
COELHO BARROZO, NEUZA AMAZONAS (Palæontology of Invertebrates).
FERREIRA D'AZEVEDO, MOZART (Complementary Physics).
LADGEN CAVALCANTI, ANTONIO GERALDO (General Biology).
MOREIRA COUCEIRO, ANTONIO (Histology and Comparative Animal Biology).
QUEIROZ RABÉLO, CLARINDO DE (Mineralogy and Petrography).
RIBEIRO LESSA, OCTACILIO (Bio-Geography).
TEIXEIRA COELHO FO., THOMAZ ALBERTO (Geology and Palæontology).

Mathematics:
ABDELHAY, JOSÉ (Mathematical and Higher Analysis).
BASSI, ACHILLE (Topological Analysis).
DIAS TAVARES, ARMANDO (General Physics).
MELO N. ABDELHAY, MARIA YOLANDA DE (Complementary Mathematics).
MOUZINHO LEITE LOPES, MARIA LAURA (Geometry).
NACHBIN, LEOPOLDO (Algebraical Topology).
OLIVEIRA JÚNIOR, ERNESTO LUIZ DE (Geometry).

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SILVEIRA M. RODRIGUES PEREIRA, GASPAR (Complementary Mathematics).
SUSSEKIND ROCHA, PLINIO (Rational Mechanics).

Chemistry Course:
CARDOSO, JOÃO CHRISTOVÃO (Physical Chemistry and Higher Chemistry).
CONSANE PERRONE, JOÃO (Biochemistry).
FROTA PESSOA, ELISA ESTHER N. (General and Experimental Physics).
GALPER, MARCOS (Complementary Mathematics).
KRAULEDAT, WERNER GUSTAV (General Chemistry).
SILVEIRA RAMOS, ATHOS DA (Organic Chemistry).
TÁVORA FILHO, ELYSIÁRIO (Mineralogy and Petrography).
TIOMMO, JAIME (Electro-Magnetic Theory).

Didactics:
ALVES DE MATOS, LUIZ NARCISO (General Didactics).
CARVALHO FLORENCE, EDWIGES DE (Educational Psychology).
SPÍNOLA TEIXEIRA, ANÍSIO (Comparative School Administration).

Journalism:
ANDRAD RIZZINI, CARLOS DE (Publicity).
CARNEIRO LEÃO, MUCIO (Ethics and Legislation of Printing).
CASTRO, JOSUÉ APOLÔNIO DE (Human Geography).
DIAS PEQUENO, MARCIAL (Newspaper Administration).
FREIRE RIBEIRO, PEDRO (History of Civilisation).
KELLY, CELSO (History of Art).
LEAL, HILDEBRANDO (Sociology).
NUNES LEAL, VICTOR (Politics).
PINHEIRO JOBIN, DANTON (Technique of Journalism).
ROCHA FREIRE, LUCY ABREU DA (Human Geography).
RODRIGUES DA SILVA, ROMEU (Political Economy).
SIMEÃO LEAL, JOSÉ (Technique of Periodical Press).
STERNBERG, HILGARD (Geography of Brazil).
TUDE DE SOUZA, FERNANDO (Radiodiffusion).
VIANNA, HÉLIO (History of Brazil).

School of Fine Arts: 25 professors.
School of Engineering: 38 professors.
School of Mining and Metallurgy: 32 professors.
School of Music: 56 professors.
School of Chemistry: 22 professors.
School of Physical Education and Sports: 18 professors.
"Anna Nery" School of Nursing: 50 professors.

AFFILIATED INSTITUTES
(Instituições Anéxas)

Centro de Pesquisas de Geográfia do Brasil (*Research Centre of Brazilian Geography*): Av. Pres. Antônio Carlos 40, 9° andar, Rio de Janeiro.
Director: Dr. HILGARD O'REILLY STERNBERG.

Departamento de Fisica da Escola Nacional de Engenharia (*Physics Department, National Faculty of Engineering*): Largo de São Francisco 24, Rio de Janeiro.
Chief: Prof. A. J. COSTA NUNES.

Nucleo de Estudos e Pesquisas Científicas da Faculdade Nacional de Filosofia (*Centre of Studies and Scientific Researches, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
President: Dr. JOÃO CRISTOVAO CARDOSO.

Centro de Estudos de Lógica Matemática da Faculdade Nacional de Filosofia (*Centre of Studies on Mathematical Logic, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, 6° andar, Rio de Janeiro.
President: Dr. JORGE EMANUEL FERREIRA BARBOSA.

Centro de Pesquisas Endocrinológicas da Universidade do Brasil (*Centre of Endocrinological Researches*): Rua Santa Luzia 206, Rio de Janeiro.
Director: Prof. CLEMENTINO FRAGA FILHO.

Centro de Pesquisa de Genética da Faculdade Nacional de Filosofia (*Centre of Genetics Research, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
Director: Prof. ANTONIO GERALDO LAGDEN CAVALCANTI.

Departamento de História Natural da Faculdade Nacional de Filosofia (*Department of Biology, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
Chief: Prof. THOMAZ ALBERTO TEIXEIRA COELHO FILHO.

Instituto de Biofísica (*Institute of Biophysics*): Av. Pasteur 458, Rio de Janeiro.
Director: Prof. CARLOS CHAGAS FILHO.

Instituto de Microbiologia Médica (*Institute of Medical Microbiology*): Av. Pasteur, 250, Rio de Janeiro.
Director: Prof. PAULO DE GOES.

Instituto de Neurologia (*Institute of Neurology*): Av. Venceslau Brás, 95, Rio de Janeiro.
Director: Prof. DEOLINDO COUTO.

Instituto de Nutrição (*Institute of Nutrition*): Largo da Misericórdia 24, Rio de Janeiro.
Director: Dr. CLEMENTINO FRAGA FILHO.

Instituto de Psicologia (*Institute of Psychology*): Av. Nilo Peçanha, 155, 6° andar, Rio de Janeiro.
Director: NILTON CAMPOS.

Instituto de Psiquiatria (*Institute of Psychiatry*): Av. Venceslau Brás 71, Rio de Janeiro.
Director: Prof. ADAUTO BOTELHO.

Instituto de Puericultura (*Institute of Pediatrics*): Av. Alte. Trompowski, Ilha do Fundão.
Director: Prof. JOSE MARTINHO DA ROCHA.

Centro de Pesquisas de Mecânica dos Solos da Escola Nacional de Engenharia (*Centre of Research on Soil Mechanics, National Faculty of Engineering*): Largo de S. Francisco 24, Rio de Janeiro.

Centro de Pesquisas de Resistencia dos Materiais da Escola Nacional de Engeharia (*Centre of Research on Materials Resistance, National Faculty of Engineering*): Largo de S. Francisco 24, Rio de Janeiro.

Instituto de Eletrotécnica (*Institute of Electrotechnics*): Praça da Republica 22, Rio de Janeiro.
Director: Prof. ERNANI DA MOTTA REZENDE.

Museu Nacional (*National Museum*): Quinta da Boa Vista-São Cristóvão, Rio de Janeiro.
Director: Dr. JOSE CANDIDO DE MELLO CARVALHO.

FUNDAÇÃO UNIVERSIDADE DE BRASÍLIA
(University of Brasilia)

CAIXA POSTAL 842, BRASILIA
Telephone 2-5637

Founded 1961

Rector: Professor DARCY RIBEIRO.
Number of teachers: 74.
Number of students: 413.

The present organisation of the University lasts until early 1964, when the definitive structure will come into force, with the establishment of the eight Central Institutes (of Mathematics, Physics, Chemistry, Biology, Earth Sciences, Human Sciences, Letters and Arts). The

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courses now being offered will be absorbed by these Institutes. Three co-ordinators for the courses already in existence have been appointed:

Letters: Professor CYRO DOS ANJOS.
Law, Economics and Administration: Professor VICTOR NUÑES LEAL.
Architecture and Town-Planning: Professor ALCIDES DA ROCHA MIRANDA.

ASSOCIATE PROFESSORS:

(no full professors will be appointed before 1967)

Department of Letters:
VERSIANI DOS ANJOS, CYRO (Portuguese Literature) (Chairman).
HERON DE ALENCAR, FRANCISCO (Brazilian Literature).
AGOSTINO DA SILVA, GEORGE (Portuguese Literature).
ANDRADE MARTINS, HELCIO (Stylistics and Literary Theory).
ROSSI, NELSON (Portuguese).
DE SOUZA BRASIL, ROBERTO POMPEU (Journalism).

Department of Law:
LIMA, HERMES (Introduction to the Science of Law) (Chairman).
MACHADO NETO, ANTONIO LUIZ (Introduction to the Science of Law).

Department of Political Science:
PONTES, HELIO (Introduction to Public Administration) (Chairman).

Department of Social Sciences:
ROSARIO RODRIGUES, JOSÉ ALBERTINO (Sociology) (Chairman).

Department of Mathematics:
GUEDES FIGUEIREDO, DJAIRO (Mathematics) (Chairman).
DE SOUZA AVILA, GERALDO S. (Mathematics).

Department of Artistic Expression and Representaion:
DA ROCHA MIRANDA, ALCIDES (Architecture) (Chairman).
MACKAY DUBUGRAS, ELVIN (Architecture).

Department of Theory and History of Art:
ALBUQUERQUE GRAEFF, EDGAR (History and Theory of Art) (Chairman).

Department of Building Technology:
MACHADO FILHO, EUSTAQUIO TOLEDO (Building Technology) (Chairman).

UNIVERSIDADE CATÓLICA DE CAMPINAS

RUA MARECHAL DEODORO, 1099, CAMPINAS, SÃO PAULO

Founded 1955

Rector: Mons. EMILIO JOSÉ SALIM.
Secretary-General: ROBERTO PINARELLO ALMEIDA.

Number of teachers: 230.
Number of students: 2,163.

DIRECTORS:

Faculty of Economics: Prof. JOSÉ VICENTE.
Faculty of Law: Prof. CARLOS FOOT GUIMARÃES.
Faculty of Odontology de Campina: Prof. JOÃO CUMERCINDO GUIMARÃES.
Faculty of Philosophy, Science and Letters: PE. AMAURY CASTANHO.
Academy of Choral Singers "Maestro Julião": Prof. LUIZ BIELA DE SOUZA.
School of Librarianship: CÔNEGO TOMAS VAQUERO.
School of Nursing "Madre Maria Teodora": IRMÁ MARIA ANTONIETA DE BARROS.
School of Social Service: MADRE MARIA MESQUITA SAMPAIO.

PROFESSORS:

Faculty of Economics: 22.
Faculty of Law: —.
Faculty of Odontology (Campinas): 22.
Faculty of Philosophy:
Pedagogy: 8.
English-Germanic Literature: 5.
Romance Literature: 7.
Geography: 9.
History: 7.
Mathematics: 8.
Didactics: 4.
Academy of Choral Singers, "Maestro Juliao": 18.
School of Librarianship: 5.
School of Nursing, "Madre Maria Teodora": 58.

UNIVERSIDADE DO CEARÁ

FORTALEZA, CEARÁ

Founded 1955

Rector: Dr. ANTONIO MARTINS FILHO.
Vice-Rector: Professor RAIMUNDO RENATO DE ALMEIDA BRAGA.
Secretary: Professor JOSE MILTON DE VASCONCELOS DIAS.
Librarian: MARIA DE CONCEIÇÃO SOUSA.

Number of teachers: 297.
Number of students: 1,819.
Publications: *Boletim, Monografias.*

DIRECTORS:

Faculty of Economics: Prof. ARY DE SA CAVALCANTE.
Faculty of Law: Prof. DOLOR UCHOA BARREIRA.
Faculty of Medicine: Prof. JOSÉ WALDEMAR DE ALCÂNTARA E SILVA.
Faculty of Pharmacy and Odontology: Prof. AILTON GONDIN LÓSSIO.
Faculty of Philosophy, Sciences and Languages: Prof. RAIMUNDO VALNIR CAVALCANTE CHAGAS.
School of Agronomy: Prof. BRISCO BEZERRA.
School of Engineering: Prof. GENESIO MARTINS ARAUJO.
School of Nursing: Sister SYRENA DE CASTRO BONFIM.
School of Social Services: Professora MARIA AUREA BESSA.
Faculty of Philosophy (Crato): Prof. JOSÉ NEWTON ALVES DE SOUZA.
Faculty of Sciences (Economics) (Crato): Prof. SAMPAIO LACERDA.
Faculty of Philosophy (Sobral): Prof. GERARDO GOMES.

PROFESSORS:

Faculty of Economics: 34.
Faculty of Law: 21.
Faculty of Pharmacy and Odontology:
Pharmacy: 12.
Odontology: 12.
Faculty of Philosophy:
Philosophy: 7.
Pedagogy: 11.
English-Germanic Literature: 4.
Classical Literature: 5.
Romance Literature: 7.
Geography and History: 5.
Geography: 4.
History: 5.
Mathematics: 6.
Didactics: 10.
School of Agronomy: 20.
School of Engineering: 22.

UNIVERSIDADE DO ESPÍRITO SANTO

VITÓRIA, ESPÍRITO SANTO

Founded 1955

Rector: Dr. NEWTON DE BARROS.

Number of teachers: 133.
Number of students: 401.

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DIRECTORS:

Faculty of Economics: Prof. ALTAYR MORAES.
Faculty of Odontology: Prof. SEBASTIÃO DA SILVA MARRECO.
Faculty of Philosophy: Prof. JOSÉ LEÃO.
School of Engineering: Prof. DIDO FONTES DE FARIA BRITO.
School of Fine Arts: Prof. MARCELO VIVACQUA.

PROFESSORS:

Faculty of Economics: 6.
Faculty of Odontology: 17.
Faculty of Philosophy:
Pedagogy: 8.
English-Germanic Literature: 5.
Romance Literature: 9.
Geography and History: 4.
Geography: 4.
History: 3.
School of Engineering: 27.
School of Fine Arts: 10.

UNIVERSIDADE DE GOIÁS

GOIANIA, GOIÁS

Founded 1960

Number of teachers: 76.
Number of students: 923.

DIRECTORS:

Faculty of Economics: Prof. VENERANDO F. BORGES.
Faculty of Law: Prof. JERONIMO GERALDO DE QUEIROZ, S.J. (22 professors).
Faculty of Philosophy: Pe. LUIZ THOMAZZI, S.J.
School of Nursing, "São Vicente de Paulo", Hospital: (48 professors).
School of Social Service: Prof. MARIA ANTOINETA ESMERALDO CABRAL (31 professors).

INSTITUTO MACKENZIE

RUA MARIA ANTONIA, 403, SÃO PAULO
Telephone: 32-6161 Telegraphic Address: Collemack

Founded 1870 as the *Escola Americana*. In 1886 secondary school courses were added; the School of Engineering was created in 1896, the Commercial School in 1902 and the Technical School in 1932. In 1947 the Faculty of Architecture was separated from the School of Engineering, the Faculty of Economics was founded in 1950 and the Law School in 1954.

President: RICHARD L. WADDELL.
Vice-President: M. RICHARD SHAULL.
Registrar: Cel. T. A. PUPO.
Librarian: D. HELOISA ALMEIDA PRADO.

Number of teachers: 390.
Number of students: 7,164.

The Institute consists of the Universidade Mackenzie (below).

UNIVERSIDADE MACKENZIE

RUA MARIA ANTÓNIA 403, SÃO PAULO
Telephone: 341314.

Rector: Prof. Dr. HENRIQUE GUILHERME THUT.
Secretary-General: ENÉAS BASTOS E SOUZA.

DIRECTORS:

School of Engineering: Prof. Dr. VICTOR FROILANO B. DE MELLO.
Faculty of Agriculture: Prof. Dr. FRANCISCO JOSÉ E. KOSUTA.
Faculty of Philosophy, Science and Letters: WILLIE ALFREDO MAURER.
Faculty of Economics: LICURGO DO AMARAL CAMPOS.
Faculty of Law: JORGE AMERICANO.

PROFESSORS (*Catedráticos*):

Faculty of Philosophy, Science, and Letters; f. 1947:

School of Philosophy:

CAMPELLO, JORGE FREIRE (Sociology).
COSTA, JOÃO CRUZ (Introduction to Philosophy and Logic).
PENNA, JOÃO B. DAMASCO (Psychology).
ROHDEN, HUBERTO (Ethics, Aesthetics and General Philosophy).

School of Physics and Mathematics:

ALMEIDA CAMARGO, MARIA TEREZA DE (Geometry).
ANTUNES, ARNALDO NORA (Mathematical Physics).
MAURER, WILLIE ALFREDO (Mathematical and Advanced Analysis).
MORAIS, ABRAHÃO DE (Theoretical and Advanced Physics).
PIERONI, ROMULO RIBEIRO (General and Experimental Physics).
SANGIORGI, OSVALDO (Experimental Physics).

School of Geography and History:

ALMEIDA, FERNANDO F., Marques de (Physical Geography).
AZEVEDO, ARNOLDO DE (Geography of Brazil).
FRANÇA, ARI (Human Geography).
FRANÇA, EDUARDO (Ancient and Medieval History).
MATOS, ODILON NOGUEIRA DE (History of Brazil).
MENDES, B. C. J. MURILO (American History).
SCHADEN, EGON (Anthropology and Ethnography).
SILVA, RAUL DE ANDRADE E (Modern and Contemporary History).

Classical and Neo-Latin School:

BECKER, IDEL (Spanish Language and Literature, Hispanic-American Literature).
BOSI, ALFREDO (Latin).
LEONI, GIULIO DÁVIDE (Italian Language and Literature).
MIAZZI, MARIA LUIZA FERNANDEZ (Romanic Philology).
MELLO, ELISA PRESTES (Portuguese Literature).
MOISÉS, MASSAUD (Brazilian and Portuguese Literature).

School of Engineering; f. 1896:

COUTO, ANTÓNIO VALENTE DE (Qualitative, Quantitative and Technical Chemical Analysis).
KOSUTA, FRANCISCO J. ESTEVES (Descriptive and Projective Geometry).
KRAUER, RODOLFO, Jr. (Technological, Physical, Electrical, Industrial and Analytical Chemistry).
LAET, ADOLFO OTTO DE (Organic Chemistry, Geology and Biochemistry).
OLIVEIRA, JORGE WASHINGTON DE (Railways and Roads).
ORLANDI, SERAFIM (Topography, Astronomy and Geodesy).
THUT, HENRIQUE GUILHERME (Inorganic Chemistry).

Faculty of Economics; f. 1950:

ALMEIDA, CLODOMIRO FURQUIM DE (Mathematics of Finance).
ALMEIDA, V. U. DE (Administration).
ALOE, ARMANDO (Insurance Organisation and Accounts).
ANDERS, ALFREDO (Commercial Methods).
ARAUJO, ALCEU MAYNARD (Economic Geography and History).
BAILÃO, JAMIL MUNHOZ (Comparative Economy).
BASILE, ERNESTO (Tax and Fiscal Legislation).
CAMPOS, LICURGO DO AMARAL (General and Public Accounts).
CAROPRESO, ARMANDO (Company Finance).
CARVALHO, JOAQUIM MONTEIRO DE (Auditing).
CAVALHEIRO, LUIZ A. F. (Mathematical Analysis).
GONÇALVES, ORESTES (Finance).
HELENE, HÉLIO (Civil and Commercial Procedure).
IMPROTA, MILTON (Industrial and Agricultural Organisation and Accounts).
MACEDO, GENESIO BORGES DE (Public Law Institutions).
MARTINS, CORIOLANO M. (Money and Credit).
PAGANO, AÚTHOS (Count), (Statistical Methods).
PAGANO, SEBASTIÃO (Marquis), (Distribution of Social Income).
POLITI, S. M. (Structure of Economic Organisations).
REZENDE, JOSÉ IGNACIO BENEVIDES DE (Sociology applied to Economics, Economic Theory).
SANTOS, FRANCISCO RIBEIRO DOS (Social and Private Law Institutions).

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Scaciota, José (Finance).
Silva, José Aparecido (Political Economy).
Stevenson, João Penteado E. (Civil and Commercial Law Institutions).

Faculty of Architecture; f. 1947:
Andrade, João F. P. de (Analytical Architecture).
Kosuta, Francisco José Esteves (Stereotomy, Descriptive Geometry).
Monte, Roberto Frade (Reinforced Concrete).
Orlandi, Serafim (Topography).

Faculty of Law: f. 1954:
Almeida, Joaquim Canuto Mendes de (Civil Judicial Law).
Almeida, José Barbosa de (Commercial Law).
Americano, Jorge (Public International Law).
Ashcar, Camillo (History of National Law).
Brito, Luiz Araujo Correira de (Private International Law).
Costa, Philomeno Joaquim da (Commercial Law).
Fávero, Flamínio (Forensic Medicine).
Helene, Hélio (Administrative Law).
Leite, Fernando Rudge (Civil Law).
Lopes, Alfredo Cecílio (Political Economy).
Macedo, Genésio Borges (General Theory of the State).
Melo, João de deus Cardoso de (Penal Judicial Law).
Moura, Genésio de Almeida (Constitutional Law).
Neto, Manuel Augusto Vieira (Civil Law).
Noronha, Edgard Magalhães (Penal Law).
Oliveira, Percival de (Civil Judicial Law).
Rezende, José Ignácio Benevides de (Roman Law).
Santos, Francisco Ribeiro dos (Introduction to Law).
Santos, Moacyr Amaral (Civil Judicial Law).
Scaciota, José (Finance).

UNIVERSIDADE DE MINAS GERAIS

RUA GUAJAJARAS 176, BELO HORIZONTE, MINAS GERAIS

Founded 1927

Rector: Orlando M. Carvalho.
Vice-Rector: Luiz Adelmo Lodi.

Number of teachers: 816.
Number of students: 3,601.

Publications: *Revisty da U.M.G., Boletim, Kriterion, Anuário da Escola de Engenharia, Anuário e Anais da Faculdade de Medicina, Revista da Faculdade de Filosofia, Publicações da Faculdade de Ciências Econômicas.*

Directors:
Faculty of Economics: Prof. Francisco de Assis Castro.
Faculty of Law: Prof. Alberto Deodato.
Faculty of Medicine: Prof. Oscar Versiani Caldeira.
Faculty of Odontology and Pharmacy: Prof. Henrique Luiz Lacombe.
Faculty of Philosophy: Prof. Antonio Camillo de Faria Alvim.
School of Architecture: Prof. José Geraldo de Faria.
School of Engineering: Prof. Mario Wrneck Alencar Lima.
"Carlos Chagas" School of Nursing: Sister Emilia Clarizia.

Professors:
Faculty of Economics: 58.
Faculty of Law: 34.
Faculty of Medicine: 38.
Faculty of Odontology and Pharmacy:
Odontology: 18.
Pharmacy: 22.
Faculty of Philosophy:
Social Sciences: 9.
Philosophy: 9.
Pedagogy: 11.
English-Germanic Literature: 6.
Classical Literature: 6.
Romance Literature: 9.
Geography: 11.
History: 9.
Physics: 8.
Natural History: 8.
Mathematics: 5.
Chemistry: 7.
Didactics: 9.
School of Architecture: 36.
School of Engineering: 50.
"Carlos Chagas" School of Nursing: 54.

UNIVERSIDADE CATÓLICA DE MINAS GERAIS

BELO HORIZONTE, MINAS GERAIS

Founded 1959

Rector: Dom Sefafim Fernandes Araújo.

Number of teachers: 267.
Number of students: 681.
Publication: *Alma Mater.*

Directors:
Faculty of Law: Prof. Antonio A. de Melo Cancado.
Faculty of Medicine: Prof. Lucas M. Machado.
"Santa Maria" Faculty of Philosophy, Sciences and Letters: Father Orlando O. Villela.
School of Social Service of Minas Gerais: Prof. Manoela Lopes.
"Hugo Werneck" School of Nursing: Soror Stella Artacho.

Professors:
Faculty of Law: 19.
Faculty of Medicine: 38.
Faculty of Philosophy:
Philosophy: 8.
Pedagogy: 10.
English-Germanic Literature: 2.
Classical Literature: 5.
Romance Literature: 5.
Geography and History: 5.
Geography: 5.
History: 4.
Mathematics: 3.
Didactics: 11.
School of Social Service: 30.

UNIVERSIDADE RURAL DE MINAS GERAIS

(Agricultural University)

VIÇOSA, MINAS GERAIS

Telephone: 24

Founded 1948

Rector: Dr. Flamarion Ferreira.
Secretary-General: Hilda Val de Castro.

Number of teachers: 110.
Number of students: 800.

Directors:
Higher School of Agriculture: Prof. José de Alencar.
Higher School of Veterinary Medicine: Dr. Antonio Vieira Machado.
Higher School of Domestic Science: Maria das Dores de Carvalho Ferreira.
Extension Service: Dr. Oldemar Resende Pimenta (Chief).

Professors:
Aroeira, Jurema Soares (General Fruit Growing).
Barros, Edgard Vasconcelos (Rural Sociology).
Borges, José Marcondes (Production Technology).
Brandão, Erly Dias (Rural Accountancy and Administration).
Brandão, Silvio Starling (Special Agriculture).
Brune, Walter (Biochemistry).
Campos, Joaquim (General Zootechnics).
Chaves, Geraldo Martins (Phytopathology).
Couto, Flavio Augusto de Araujo (Horticulture).
Daker, Alberto (Agricultural Hydraulics).

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De Alencar, José (General Microbiology).
Dorofeeff, Alexis (Soil Studies).
Gomes, Fabio Ribeiro (Statistics).
Gomes, Mauricio Robeiro (Special Zootechnics).
Gonçalves, Arlindo de Paula (General Silviculture).
Magalhães, Edson Potsch (Rural Economy).
Mattoso, Joaquim (Special Zootechnics).
Ribeiro Filho, José (Special Agriculture).
Schlottfeldt, Carlos Socias (Genetics).
Shimoya, Chotaro (General Botany).
Torres, Annibal José Alves (Animal Hygiene and Cleanliness).
Torres, José Rodolpho (General Zootechnics).
Vanetti, Frederico (Entomology).

UNIVERSIDADE DO PARÁ

AVE. GOVERNADOR JOSÉ MALCHER 1192, BELEM-PARÁ

Telephone: 43-72

Founded 1957

Rector: Prof. José Rodrigues da Silveira Netto.
Central Library Administrator: Dr. Clodoaldo Beckmann.

Number of teachers: 279, including 119 professors.
Number of students: 1,374.

Directors:

Faculty of Economics: Prof. Armando Dias Mendes.
Faculty of Law: Prof. Aloysio da Costa Chaves.
Faculty of Medicine: Prof. Alfonso Rodrigues Filho.
Faculty of Odontology: Prof. João Baptista Cordeiro de Azevedo.
Faculty of Pharmacy: Prof. Elisio Parente de Araujo.
Faculty of Philosophy, Science and Letters: Conego Apio Campos Costa.
School of Engineering: Prof. Josué Justiniano Freire.

Professors:

Faculty of Economics: 20.
Faculty of Law: 21.
Faculty of Medicine: 23.
Faculty of Odontology: 11.
Faculty of Pharmacy: 12.
Faculty of Philosophy, Science and Letters: 32.
School of Engineering: 25.

UNIVERSIDADE DA PARAÍBA

RUA DUQUE DE CAXIAS 81, JOAO PESSOA-PARAÍBA

Founded 1955

Rector: Dr. João Toscano Gonçalves de Medeiros.

Number of teachers: 218.
Number of students: 814.

Directors:

Faculty of Economics: Dr. Clãudio Santa Cruz Costa.
Faculty of Law: Dr. Hélio de Araúja Soares.
Faculty of Philosophy: Dr. Emanuel de Miranda Enriques.
Faculty of Medicine: Prof. Humberto Nóbrega.
Faculty of Odontology: Dr. Péricles Gouveia.
Faculty of Engineering: General José de Oliveira Leite.
Polytechnic School: Dr. Antonio da Silva Morais.
School of Social Service: Madre Maria Franklin de Andrade.
School of Nursing: Prof. Irany Maciel Pontes.

Professors:

Faculty of Economics: 20.
Faculty of Law: 21.
Faculty of Medicine: 32.
Faculty of Odontology: 14.
Faculty of Philosophy:
Philosophy: 5.
Pedagogy: 8.
English-Germanic Literature: 3.
Romance Literature: 9.
Geography: 4.
History: 4.
Didactics: 10.
School of Engineering: 12.
Polytechnic School: 31.

UNIVERSIDADE DO PARANÁ

RUA 15 DE NOVEMBRO S/N, CAIXA POSTAL 441, CURITIBA, PARANÁ

Founded 1912.

Rector: Prof. Flavio Suplicy de Lacerda.
Vice-Rector: Prof. José Nicolau dos Santos.
Secretary: Prof. Antonio Ramos May.

Libraries are attached to the School of Engineering and the respective faculties.

Number of teachers: 637.
Number of students : 5,019.

Publications: *Anuário da Universidade, Revista Paniáfrica, Revista Técnica, Revista Logos* and *Boletim da Universidade do Paraná.*

Directors:

Faculty of Law: Prof. Ildefonso Marques.
Faculty of Medicine: Prof. Anchises Marques de Faria.
Faculty of Odontology: Prof. Levy de Brito Buquira.
Faculty of Pharmacy: Prof. Carlos Stellfeld.
Faculty of Philosophy, Science and Letters: Prof. Homero de Barros.
Faculty of Economics: Prof. Ulysses de Campos.
School of Engineering: Prof. Ralph Jorge Leitner.
School of Chemistry: Dr. Nilton Emilio Bührer.
School of Agriculture and Veterinary Science: Prof. Lycio Grein de Castro Vellozo.
School of Librarianship: Prof. Maria de Lourdes Tavares.

Professors:

Faculty of Law:

Cartaxo, Ernani Guarita (Roman Law).
Gomes, Oscar Martins (Private International Law).
Grande, Humberto (Philosophy of Law).
Guimarães, Ary Florêncio (Civil Judiciary Law).
Luz, Nelson Ferreira da (Public International Law).
Marques, Ildefonso (Penal Law).
Moniz de Aragão, Egas Dirceu (Civil Judiciary Law).
Motta, Omar Gonçalves da (Industrial Law and Labour Legislation).
Munhoz, Laertes de Macedo (Penal Law).
Oliveira Franco Sobrinho, Manoel de (Administrative Law).
Pereira, Altino Portugal Soares (Civil Law).
Pereira, Carlos Araújo de Britto (Commercial Law).
Rocha Loures, João Alves da (Science of Finances).
Santos, José Nicolau dos (General Theory of the State).

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Teixeira, Napoleão Lyrio (Forensic Medicine)
Vellozo, Athos Moraes de Castro (Penal Law).
Vieira Netto, José Rodrigues (Civil Law).

Faculty of Medicine:

Abreu, Mário Braga de (Clinical Surgery).
Braga, Homero de Mello (Clinical Paediatrics and Child Hygiene).
Bettega, João Ernani (Phthisiology).
Carneiro, Milton Erichsen (Parasitology).
Colle, Augusto (Pathological Anatomy and Physiology).
Côrtes, Atlântido Borba (Clinical Medicine).
Falce de Macedo, Maria (Physiological Chemistry).
Faria, Anchises Marques de (General Pathology).
Ferreira do Amaral Fo, Victor (Clinical Obstetrics).
Guimarães, Alô Ticoulat (Clinical Psychiatry).
Matos Barreto, Joaquim de (Histology and General Embriology).
Mello, Orlando de Oliveira (Clinical Therapeutics).
Moreira, Carlos Estrella (Anatomy).
Munhoz, Milton de Macedo (Hygiene).
Noronha Miranda, Ruy (Clinical Dermatology and Syphilology).
Paula Soares Netto, Francisco (Tropical and Infectious Diseases).
Rocha, João Âtila (Clinical Urology).
Romanó, Dante (Experimental Surgery).
Rucker, Heinz (Child Surgery and Orthopaedics).
Santos, Ántenor Pamphilo dos (Physiology).
Schwab, Artur Otto (Biophysics).
Silveira, Helleno Azevedo da (Clinical Propaedeutics).
Silveira, Octávio da (Clinical Neurology).
Simas Alves, Ernani (Forensic Medicine).
Vianna, João Xavier (Microbiology).
Vieira de Alencar, João (Clinical Surgery).

Faculty of Odontology:

Bassetti Jo, Francisco (Pathology and Applied Therapeutics).
Buquera, Levy de Britto (Clinical Dentistry).
Caron, Múcio (Prosthesis).
Cavanha, Armando Oscar (Technical Odontology).
Kloss Neto, André (Oral and Facial Prosthesis).
Matos Barreto, Joaquim de (History and Microbiology).
Moreira, Carlos Estrella (Anatomy).
Moreira, Júlio Estrella (Clinical Dentistry).
Munhoz, Milton de Macedo (Hygiene).
Tizzot, João Alves (Orthodontics).

Faculty of Pharmacy:

Anjos, Octávio Pereira dos (Galenic Pharmacy).
Carneiro, Milton Erichsen (Zoology and Parasitilogy).
Falce de Macedo, Maria (Biological Chemistry).
Pereira de Almeida, Mauro (Organic Chemistry).
Santos, Antenor Pamphilo dos (Physiology, Toxicology and Bromatology).
Schwab, Artur Otto (Analytical Chemistry).
Sigel Fo, Ernesto (Chemical Pharmacy).
Stellfeld, Carlos (Pharmacognosy).

Faculty of Philosophy, Science and Letters:

Arns, Osvaldo (Greek Language and Literature).
Barros, Homero Baptista de (Ancient and Medieval History).
Bossmann, Reinaldo (German Language and Literature).
Braga, Homero de Mello (Biology).
Castagnola, Luigi (Italian Language and Literature).
Castro, Francisco Alberto de (Organic Chemistry and Biochemistry).
Castro Engler, João B. de (Latin Language and Literature).
De la Cruz Coronado, Guillermo (Spanish Language and Literature).
Espirito Santo, Liguarú (History and Philosophy of Education).
Fernandes, José Loureiro (Anthropology and Ethnography).
Figueiredo, José Carlos de (Geography of Brazil).
Franco, Joaquim M. M. (Geology, Paleontology).
Lacerda Pinto, Manoel (Politics).
Linhares, Temístocles (Brazilian Literature).
Mader, Algacyr Munhoz (Geometry).
Mansur Guérios, Rosário Farani (Brazilian Language).
Martins, Wilson (French Language and Literature).
Motta, Omar Gonçalves da (Sociology).
Moure, Pe. Jesus (Zoology).
Munhoz, Laertes de Macedo (Portuguese Literature).
Munhoz da Rocha, Gabriel (Psychology).
Munhoz da Rocha Netto, Bento (American History).
Paula, José Bittencourt de (Comprehensive Mathematics).
Pavão, Zélia Milléo (Statistics).
Pilotto, Oswaldo (Educational Statistics).
Pinheiro Machado, Brasil (Brasilian History).
Poeck, João (Physical Chemistry).
Ribeiro, Francisco José Gomes (Educational Administration, Comparative Education).
Santos, José Nicolau dos (Human Geography).
Stellfeld, Carlos (Botany).
Weber, Ludwig Johann (Mineralogy and Petrography).
Westphalen, Cecília Maria (Modern and Contemporary History).
Woiski, Albano (General and Specialized Didactics).
Wouk, Miguel (Romance Philogogy).

Faculty of Economics:

Almeida, Artur Santos de (Political Economy).
Campos, Ulysses de (International Commerce and Exchange).
Carneiro, David Antonio da Silva (Applied Economics).
Costa, Eloy da Cunha (Political Finance).
Fávaro, Faustino (Price Valuations).
Lopes, Othelo Werneck (Public Accountancy).
Macedo, Alceu Ribeiro de (General Accountancy).
Macedo, Oswaldo Pereira de (History of Economics).
Mello E. Silva, Ulysses de (Sociological Theory).
Moreira, Henrique Estrella (Mathematical Complements).
Pereira, Altino Portugal Soares (Currency and Credit).
Reichmann, Ernani Corrêa (Structure of Organic Economics).
Requião, Rubens (History of Economic Practices).
Sampaio, Edgard Chaulbaud (Distribution of National Income).

School of Engineering:

Aguiar, Paulo Müller de (Railways).
Asinelli, Máximo A. (Bridges, Reinforced Concrete).
Beckert, A. I. (Physics).
Beltrão, Alceu Trevisani (Topography).
Castro, Francisco Alberto de (Technological Chemistry).
Cavallín, José (Descriptive Geometry).
Chamecki, Samuel (Stability of Constructions).
Claro, Olavo Del (Calculus).
Leitner, Ralph Jorge (Construction Materials).
Mader, Algacyr Munhoz (Physics).
Meister, Rubens (Architecture).
Pereira, Orlando Silveira (Free Design).
Puppi, Ildefonso Clemente (Hygiene).
Souza, Pedro V. P. de (Hydraulics).
Zanello, Hipérides (Applied Mechanics).

School of Chemistry:

Almeida, Mauro Pereira de (Organic Chemistry).
Beckert, Arnaldo Isidoro (Physics).
Bigarella, João José (Mineralogy).
Bührer, Nilton Emilio (Organic Technology).
Carvalho, Durval Eduardo de (Applied Analytical Chemistry).
Ceccon, Oswaldo (Inorganic Chemistry).
Claro, Olav Del (Analytical Geometry).
Correa, Dirceu (Organic Chemistry).
Furtado, Jucundino da Silva (Descriptive Geometry).
Leprevost, Alsedo (Analytical Qualitative Chemistry).
Lima, Leo da Rocha (Industrial Apparatus).
Puppo, Antenor da Silva (Microbiology).
Ribas, Janisvaldo de Paula (Inorganic Technology).
Romanus, Olavo (Organic Analysis).
Salum, Tufi (Industrial Economy).
Schiavon, Jocelin Walton (Physical Chemistry).
Spitzner, Reinaldo (Analytical Quantitative).

School of Agriculture and Veterinary Science: 27 professors.
School of Librarianship: 9 professors.

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UNIVERSIDADE CATÓLICA DO PARANÁ

CURITIBA, PARANÁ

Rector: Dom Jeronimo Mazzarotto.

Number of teachers: 195.
Number of students: 1,218.
Publication: *Humanitas.*

Directors:

Faculty of Economics: Frei João Crisóstomo Arns.
Faculty of Law: Des. Antonio F. Ferreira da Costa.
Faculty of Medicine: Prof. Brasílio de Castro.
Faculty of Philosophy, Science and Letters: Prof. Fernando Correa de Azevedo.
School of Nursing "Madre Marie Leonie": Irmã Luiza Odila Benato.
School of Social Service: Prof. Rosa Sicuro.

Professors:

Faculty of Economics: 39.
Faculty of Law: 19.
Faculty of Medicine: 9.
Faculty of Philosophy:
Social Sciences: 13.
Philosophy: 8.
Pedagogy: 14.
English-Germanic Literature: 8.
Classical Literature: 6.
Romance Literature: 9.
Geography and History: 13.
Natural History: 12.
Mathematics: 9.
Journalism: 17.
Didactics: 16.
School of Social Service: 16.

UNIVERSIDADE CATÓLICA DE PERNAMBUCO

RUA DO PRINCIPE, 526, RECIFE

Founded 1951

Rector: Pe. Francisco T. Braganca.

Number of teachers: 49 (School of Engineering).
Number of students: 929.
Publications: *Boletim Universitario da U.C., Symposium.*

Directors:

Faculty of Economics: Aluísio M. Carvalho.
Faculty of Philosophy, Science and Letters: José Torres Costa.
School of Engineering: José Torres Pires.

UNIVERSIDADE RURAL DE PERNAMBUCO

PEDRA MOLE, DOIS IRMÃOS, RECIFE

Founded 1954

Rector: Prof. Renato Ramos de Farias.

Number of teachers: 109.
Number of students: 331.

Directors:

School of Agriculture: Prof. Mario Bezerra de Carvalho (52 professors).
School of Veterinary Science: Prof. Humberto Vernet (42 professors).

UNIVERSIDADE DO RECIFE

RUA DO HOSPÍCIO, 619, RECIFE, PERNAMBUCO

Founded 1946

Rector: Dr. João Alfredo Gonçalves da Costa Lima.

Number of teachers: 524.
Number of students: 3,175.
Publications: *Anais da Faculdade de Medicina, Anais da Sociedade de Biologia, Monográfias da Faculdade de Filosofia, Revista Académica da Faculdade de Direito.*

The University has a Central Library Service, Rua do Hospício 619, Recife, and specialised libraries attached to the faculties, schools and institutes.

Directors:

Faculty of Law: Prof. José Soriano de Sousa Neto.
School of Engineering, Pernambuco: Prof. Aurino José Duarte.
Faculty of Medicine: Prof. Antonio Simão dos Santos Figueira.
Faculty of Odontology: Prof. Romildo Tôrres e Silva.
Faculty of Economics: Prof. João Duarte Dias.
Faculty of Philosophy, Recife: Madre Maria da Conceiçao Machado.
Faculty of Philosophy, Pernambuco: Prof. Nilo de Oliveira Pereira.
School of Chemistry, Pernambuco: Prof. Alberto Martins Moreira.
School of Fine Arts, Pernambuco: Prof. João Alfredo Gonçalves da Costa Lima.
School of Librarianship: Prof. Cordelia Robalindo Cavalcanti.

Professors:

Faculty of Economics: 7.
Faculty of Law: 27.
Faculty of Medicine: 42.
Faculty of Philosophy (Pernambuco):
Social Sciences: 8.
Philosophy: 9.
Pedagogy: 5.
English-Germanic Literature: 3.
Classical Literature: 4.
Romance Literature: 9.
Geography: 6.
History: 7.
Natural History: 5.
Mathematics: 4.
Didactics: 12.
Faculty of Philosophy (Recife):
Social Sciences: 8.
Philosophy: 8.
Pedagogy: 14.
English-Germanic Literature: 5.
Romance Literature: 11.
Geography and History: 9.
Natural History: 10.
Didactics: 11.
Faculty of Architecture: 23.
Faculty of Odontology: 15.
School of Chemistry: 22.
School of Fine Arts: 27.
School of Librarianship: 5.

UNIVERSIDADE DO RIO DE JANEIRO

RUA FONSECA TELES, 121 RIO DE JANEIRO
GUANABARA STATE
Telephone: 283067

Founded 1951

Rector: Prof. Haroldo Lisboa da Cunha.

Number of teachers: 68.
Number of students: 682.
Publication: *Anais da Faculdade de Medicina.*

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DIRECTORS:

Faculty of Law: Prof. ARY DE AZEVEDO FRANCO (27 professors).
Faculty of Medical Sciences: (46 professors).
Faculty of Philosophy, Science and Letters.

PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO DE JANEIRO

RUA MARQUÊS DE SÃO VICENTE, 263, RIO DE JANEIRO, GUANABARA STATE
Telephone: 272388

Founded 1940

Grand Chancellor: His Eminence THE CARDINAL ARCHBISHOP OF RIO DE JANEIRO.
Rector: R.P. Prof. ARTUR ALONSO, S.J.
Vice-Rector: R.F. LAERCIO DIAS DE MOURA, S.J.
Librarian: JOSÉ DINKO MAVAK, S.J.

Library: 42,000 vols.
Number of teachers: 410.
Number of students: 1,349.
Publications: *Verbum* (quarterly), *Anuario, Coleçao Servir* (Social Sciences Services), *Boletim da P.U.C.* (quarterly).

DIRECTORS:

Faculty of Philosophy: Prof. PAULO CESAR M. DA SILVA.
Faculty of Law: Dr. LUIZ AUGUSTO DE REGO MONTEIRO.
School of Social Service: Prof. ARACY CARDOSO.
Polytechnic School: Dr. CARLOS ALBERTO DEL CASTILLO.

PROFESSORS:

Faculty of Philosophy:
Social Sciences:
CERRUTI, PE. PEDRO (Religion).
DACCORSO NETTO, CESAR (Mathematics).
DIEGUES JÚNIOR, MANUEL (Ethnography).
HORTA NOVAES, PAULO AFFONSO (History of Economic Doctrines).
LEAL, HILDEBRANDO (Sociology).
LEME LOPES, PE. FRANCISCO (Philosophy).
MARTINS MOREIRA, THIERS (Politics).
NUNES GUIMARÃES, JOSÉ (Political Economy).
PEREIRA DE ALMEIDA, PE. FELIX (Ethics).
PIQUET CARNEIRO, AMÉRICO (Anthropology and Ethnography).
SODRÉ VIVEIROS CASTRO, LAURO (General and Applied Statistics).

Philosophy:
AZEVEDO RIBEIRO, GUILHERME DE (History of Philosophy).
BASTOS DE AVILA, PE. FERNANDO (Sociology).
CERRUTI, PE. PEDRO (Religion).
LEITE PENIDO, PE. MAURILIO T. (Psychology).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
PEREIRA DE ALMEIDA, PE. FELIX (Ethics).
TAUZIN, FREI SEBASTIÃO (Logic).

Pedagogy:
ACCIOLY DE SA, PAULO (Statistical Education).
BARRETO FILHO, JOSÉ (Educational Psychology).
BASTOS DE AVILA, PE. FERNANDO (Sociology).
CERRUTI, PE. PEDRO (Religion).
DACCORSO NETTO, CESAR (Mathematics).
GUERRA, LEOPOLDINO VICENTE (Biological Education).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MEIRELES PADILHA, TARCISIO (History of Philosophy).
MIRANDA SANTOS, THEOBALDO (History of the Philosophy of Education).
MOREIRA LELLIS, RAUL (Administrative and Comparative Education).
PARGA NINA, MARIA LUCIA (History of Education).

English-Germanic Literature:
ALONSO, HELIO (Portuguese Language).
AMOROSO LIMA, ALCEU DE (Brazilian Literature).
CERRUTI, PE. PEDRO (Religion).
DAMIÃO BERGE, FREI (Latin Literature and Language).
ELIA, SILVIO EDMUNDO (Brazilian Literature).
HAUER, WILFRID (German Language).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MACHADO DA SILVA, PAULO CESAR (English and American Language and Literature).
MANSUETO KOHNEN, FREI (German Literature).
MULLER, GERMANO (Latin Language).
RENAULT, ABGAR (English Language and Literature).
SILVEIRA, TASSOQ DA (Portuguese Literature).
VALENTE DO COUTO TELLES, LYGIA (English Literature).

Classical Literature:
ALONSO, HELIO (Portuguese Language).
AMOROSO LIMA, ALCEU DE (Brazilian Literature).
CERRUTI, PE. PEDRO (Religion).
DAMIÃO BERGE, FREI (Latin Language and Literature).
ELIA, SILVIO EDMUNDO (Brazilian Literature).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MAGNE, PE. AUGUSTO (Greek Language and Literature).
MULLER, GERMANO (Latin Language).
PEREIRA DE ALMEIDA, PE. FELIX (Greek Language).
SILVA NETTO, SERAFIM DA (Romance Philology).
SILVEIRA, TASSO DA (Portuguese Literature).

Romance Literature:
ALONSO, HELIO (Portuguese Language).
ALVES DE SOUZA, ISAURA (French Language).
ALVIM CORREA, ROBERTO (French Language and Literature).
AMOROSO LIMA, ALCEU DE (Brazilian Literature).
BERGE, FREI DAMIAO (Latin Language and Literature).
CAMARINHA DA SILVA (Hispanic-American Literature).
CERRUTI, PE. PEDRO (Religion).
ELIA, SILVIO EDMUNDO (Brazilian Literature).
IGLESIAS, EUGENIO (Spanish Language and Literature).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MULLER, GERMANO (Latin Language).
SILVA NETTO, SERAFIM DA (Romance Philology).
SILVEIRA, TASSO DA (Portuguese Literature).
SPINELLI, VICENTE (Italian Language and Literature).

Geography:
BRAGA VIEIRA DA FONSECA, JAMES (Human Geography).
CERRUTI, PE. PEDRO (Religion).
DIEGUES JÚNIOR, MANUEL (General and Brazilian Ethnography).
FROES DA ABREU, SILVIO (Brazilian Geography).
LACOMBE, AMERICO JACOBINA (History of Brazil).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
O'REILLY STERNBERG, HILGARD (Physical Geography).
PIQUET CARNEIRO, AMERICO (Anthropology and Ethnography).

History:
BRAGA VIEIRA DA FONSECA, JAMES (Human Geography).
CERRUTI, PE. PEDRO (Religion).
DIEGUES JÚNIOR, MANUEL (General and Brazilian Ethnography).
FROES DE ABREU, SILVIO (Brazilian Geography).
LACOMBE, AMERICO JACOBINA (Brazilian History).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
LUIZ VIANNA, EREMILDO (Ancient and Medieval History).
PIQUET CARNEIRO, AMERICO (Anthropology and Ethnography).
PIRAGIBE DA FONSECA, ROBERTO (Modern History).
SILVEIRA, FREI ILDEFONSO (Church History).
VIANNA, HELIO (American History).

Mathematics:
CERRUTI, PE. PEDRO (Religion).
FARIA BELLO JR., MARIO DE (Geometry).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MAGNO DA SILVA, ATILA (Physics).
MARIA, ORLANDO DE (Celestial Mechanics and Mathematical Physics).
NÓGUEIRA, RIO (Analytical Mathematics).
SERRA COSTA, JOSÉ DE JESUS (Rational Mechanics).

Journalism:
ALMADA HORTA PORTO, RUBENS D' (Administration).
CERRUTI, PE. PEDRO (Religion).
CHAVES DE MELLO, GLADSTONE (Portuguese).
ESTELLITA, ROSAURO (English Language).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MANSUETO KOHNEN, FREI (History of Art).
MOREIRA IPANEMA, MARCELO (History and Legislation of the Press).
PEREIRA, EVALDO SIMAS (Techniques of Journalism).
PEREIRA DA SILVA, FIRMO (Juridical Institutions).

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PINHO DE ALMEIDA, FERNANDO MIGUEL (Brazilian History).
REGO LIMA, RAUL DO (Ethics).
SILVEIRA, TASSO DA (Contemporary Literature).
TUDE DE SOUZA, FERNANDO (Radio Journalism).
VASCONCELLOS, MANOEL MARIA DE (Publicity).

Didactics:
BRAGA VÍEIRA DA FONSECA, JAMES (Special Didactics of Geography and History).
BARRETO FILHO, JOSÉ (Psychological Education).
CERRUTI, PE. PEDRO (Religion).
ELIA, SILVIO EDMUNDO (Portuguese).
FONTES PEIXOTO, ROBERTO JOSÉ (Special Didactics of Mathematics).
GUERRA, LEOPOLDINO VICENTE (Biological Education).
LEAL, HILDEBRANDO (Sociological Education).
LELLIS, RAUL MOREIRA (Administration and Comparative Education).
LEME LOPES, PE. FRANCISCO (Introduction to Philosophy).
MACHADO DA SILVA, PAULO CESAR (Special Didactics of Anglo-Germanic Letters).
PESSOA CAMARA, D. HELDER (General and Special Didactics).
SOBRINO PORTO, LEONIDAS (Special Didactics of Romance Letters).

Faculty of Law:
ALBUQUERQUE MELLO, LINNEU DE (International Public Law).
BARRETO CAMPELO, FRANCISCO (Penal Law).
CHARMONT DE MIRANDA, VICENTE (Judicial Civil Law).
COSTA CARVALHO, LUIZ ANTONIO DA (Judicial Civil Law).
FERREIRA DE SOUZA, JOSÉ (Commercial Law).
FONTOURA SOBRAL PINTO, HERACLITO (Penal Law).
GALLOTTI, ANTONIO (General Theory of State).
LACERDA NOGUEIRA, HAMILTON DE (Forensic Medicine).
LEME LOPES, PE. FRANCISCO (Juridical Deontology).
MADUREIRA PINHO, DEMOSTHENES (Juridical Penal Law).
MOREIRA, THIERS MARTIN (Administrative Law).
MONIZ DE BITTENCOURT, PEDRO C. (Constitutional Law).
NONATO DA SILVA, OROZIMBO (Civil Law).
REGO MONTEIRO, LUIZ AUGUSTO DE (Industrial and Labour Law).
RODRIGUES SILVA, ROMEU (Political Economy).
SA FILHO, FRANCISCO (Financial Science).
SABOIA LIMA, AUGUSTO (Civil Law).
SAN TIAGO DANTAS, FRANCISCO C. DE (Roman Law).
SERAPIAO DE CARVALHO, DANIEL (Civil Law).
SILVA, O.A., PE. EMILIO (Religion).
TEIXEIRA VALLADAO, HAROLDO (International Private Law).
VIEIRA COELHO, JOSÉ (Philosophy of Law).
ZBROZEK, JERSY (Introduction to Science of Law).

Polytechnic School: 76 professors.

UNIVERSIDADE DO RIO GRANDE DO NORTE

AV. HERMES DA FONSECA, 780, NATAL, RIO GRANDE DO NORTE
Telephone: 2026

Founded 1958

Rector: Prof. ONOFRÉ LOPES DA SILVA.
Secretary: YOLANDA DANTAS.
Librarian: ZILA DA COSTA MAMEDE.

Number of teachers; 138.
Number of students: 1,570.

DIRECTORS:

Faculty of Law: Prof. OTTO DE BRITO GUERRA.
Faculty of Medicine: Prof. Dr. JOÃO DA COSTA MACHADO.
Faculty of Pharmacy: Prof. Dr. GENÁRIO ALVES FONSECA.
Faculty of Odontology: Prof. Dr. JOSÉ CAVALCANTI MELO.
Faculty of Philosophy: Prof. PAULO PINHEIRO DE VIVEIROS.
School of Engineering: Prof. Dr. JOSÉ HENRIQUES BITTENCOURT.
School of Social Service: Prof. MARIA DE LOURDES MIRANDA.

PROFESSORS:

Faculty of Law: 22.
Faculty of Medicine: 10.
Faculty of Pharmacy and Odontology: 14.
Faculty of Philosophy:
Romance Literature: 9.
Geography: 7.
History: 5.
School of Social Sciences: 27.

UNIVERSIDADE DO RIO GRANDE DO SUL

AVENIDA JOÃO PESSOA, PORTO ALEGRE, RIO GRANDE DO SUL

Founded 1936

Rector: Prof. ELISEU PAGLIOLI.
Vice-Rector: Prof. PERY PINTO DINIZ DA SILVA.
Secretary-General: NELSON BORBÁ DOS SANTOS.

Number of teachers: 1,015.
Number of students: 4,250.

Libraries attached to the:
School of Engineering; f. 1896; 10,400 vols.
Law Faculty; f. 1906; 17,000 vols.
Medical Faculty; f. 1898; 20,000 vols.
Faculty of Philosophy; f. 1942; 22,700 vols.
Faculty of Economics; f. 1909; 9,200 vols.
School of Agriculture and Veterinary Medicine; f. 1910; 6,300 vols.
Law Faculty (Pelotas): 4,600 vols.
Faculty of Architecture: 4,430 vols.

Publications: *Boletim Informativo do Centro de Estudos e Pesquisas Económicas, Boletim Universitário, Anuária.*

DIRECTORS:

Faculty of Law: Prof. GALENO VELLINHO DE LACERDA.
Faculty of Economics: Dr. PERY PINTO DINIZ DA SILVA.
Faculty of Philosophy: Prof. LUIZ PILLA.
Faculty of Medicine: Prof. Dr. JOSÉ CARLOS DA FONSECA MILANO.
Faculty of Architecture: Prof. JOÃO BAPTISTA PIANCA.
Faculty of Odontology: Prof. Dr. OTHON SANTOS E SILVA.
Faculty of Pharmacy: Prof. GERMANO ROMAN ROS.
School of Engineering: Prof. Dr. LUIZ LESEIGNEUR DE FARIA.
School of Agriculture and Veterinary Medicine: Prof. OUTUBRINO CORRÊA.
School of Geology: Prof. IRAJÁ DAMIANI PINTO.
School of Librarianship: Prof. ZENAIRA GARCIA MARQUEZ.
School of Nursing: Prof. CELINA MENDES DA CUNHA.
Faculty of Odontology, Pelotas: Prof. ERY SCHRAMM.
Faculty of Law, Pelotas: Prof. Dr. BRUNO DE MEDONÇA LIMA.
Faculty of Pharmacy, Santa Maria: Prof. Dr. JOSÉ MARIANO DA ROCHA FILHO.
Faculty of Medicine, Santa Maria: Prof. JOSÉ MARIANO DA ROCHA FILHO.

PROFESSORS:

Faculty of Law:
CIRNE LIMA, RUY (Administrative Law).
DA ROCHA, ELOY JOSÉ (Labour Legislation).
DA ROCHA, FRANCISCO DE PAULO B. (Constitutional Law).
DIAS DE AZEVEDO, ARMANDO (Civil Law).
ESTRELLA, HERNANI (Commercial Law).
FERREIRA PAES, ELPÍDIO (Roman Law).
LEITÃO DE ABREU, JOÃO (Introduction to the Science of Law).
OLIVEIRA FREITAS, AMADEU F. DE (Public International Law).
PAPALEO, CELSO CESAR (Legal Medicine).
PEREIRA DE AZAMBUJA, DARCY (State Laws, Constitutional Law).
PEREIRA CORRÊA DA CAMARA, ARMANDO (Philosophy of Law).
PILLA RIBEIRO, ELMO (Private International Law).
SÁ, MEM DE (Political Economy).

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SALGADO MARTINS, JOÃO (Penal Law).
SCHNEIDER, EDGAR LUIZ (Finance).
SIMCH FRANCISCO J., Jr. (Penal Judiciary Law).
VELLINHO DE LACERDA, GALENO (Civil Judiciary Law).

Faculty of Economics:
ALMEIDA, MANOEL LUZARDO DE (Evolution of Economic Cycles).
BABOT MIRANDA, JORGE (Value and Formation of Prices).
BUAES, NAGIPE (Tax Laws, Finance).
CAMPOS, SEBASTIÃO GOMEZ DE (Company Finances).
CASTRO, EUCLIDES HENRIQUE DE (Political Economy).
CORREA, ACÉLIO (Social Law, Funds).
CORTESE, VIRGÍLIO (Organisation, Accountancy, Banking, Finance, Credit).
DA ROCHA, CIBILIS VIANNA (General Accountancy).
DA SILVA, PERY PINTO DINIZ (Institutions of Civil and Commercial Law).
DESJARDINS, HENRIQUE (Organisation, Accountancy, Insurance).
DIEHL, WALTER JOSÉ (Elements of Finance, Tributary and Fiscal Legislation).
FAY DE AZEVEDO, ARMANDO (Public Law).
FILCHTINER, MAURICIO (Demographic and Economic Statistics).
FIORI DRUCK, CLIO (Commercial Law).
FLECK, ERNANI (Analytical and Advanced Mathematics)
GOMES DE CAMPOS, SEBASTIÃO (Economic Organisations).
HERVÉ, ABIO (Administration).
KOPF, HILDO (Organisation, General, Industrial and Agricultural Accountancy).
LEITA, MANOEL MARQUES (Distribution of Income).
MACHADO CARRION, FRANCISCO (Economics).
MACHADO ROSA, HELIO (Economic Geography).
MORAES, EUCLIDES (Financial Mathematics).
ORNSTEIN, ERNESTO (Actuarial Mathematics).
PEREIRA, ARMANDO T. (Political Economy).
PINTO DINIZ, PERY (Private Law).
RAMOS, AUREO (Accountancy).
RAVANELLO, HOLY (Public Accountancy).
STEINBRUCK, ALFREDO (Complements of Mathematics).
TAUFER, LIVIO (Structure and Analysis of Equilibria).
TEIXEIRA DE MEDEIROS, LAUDELINO (Comparative Study of Economic Systems).
TRUDA PALAZZO, JOSÉ (International Commerce and Exchange).
WILTGEN, EDGAR (Statistics, Demography, Mathematics).

Faculty of Philosophy:
Social Sciences:
COSTA, RENATO (Economics).
BALDUINO RAMBO, PE. (Anthropology, Ethnography).
MARIA FIORI, ERNANI (Philosophy).
MEDEIROS, LAUDELINO T. DE (Sociology).
OLIVEIRA, CAYOBY VIEIRA DE (Complements of Mathematics).
PEREIRA DA CÂMARA, ARMANDO (History of Philosophy).
PEREIRA DE AZAMBUJA, DARCY (Politics).
SANTOS, LIGIA M. DOS (General and Applied Statistics).

Philosophy:
CIBILS, LUIZ ALBERTO (Sociology).
MACIEL, NILO ANTUNES (Psychology).
MARIA FIORI, ERNANI (Philosophy).
PEREIRA DA CÂMARA, ARMANDO (History of Philosophy).

Pedagogics:
AMARAL, ANNA IRIS DO (Educational Psychology).
CAMPOS, JOSÉ GOMES DE (School Administration).
CIBILS, LUIZ ALBERTO (Sociology).
MAGALHÃES, ALVARO (History and Philosophy of Education).
OLIVEIRA, CAYOBY VIEIRA DE (Complements of Mathematics).
PAIM, MARIA I. DE M. (Complements of Mathematics).
PEREIRA DA CÂMARA, ARMANDO (History of Philosophy).
PETRUCCI, SALVADOR (Educational Statistics).
SANTOS, LIGIA M. DOS (General and Applied Statistics).
SILVA, OSCAR MACHADO DA (Psychology).

English-Germanic Literature:
BEM VEIGA, ALBINO DE (Portuguese Literature).
GROSSER, FERNANDO (English Language and Literature).
PAES, ELPIDIO FERREIRA (Latin Language and Literature).
SILVA, SYLVIO RAMOS DA (North American Literature).
TOCHTROP, LEONARDO (German Language and Literature)

Classical Literature:
BEM VEIGA, ALBINO DE (Portuguese Literature).
BUNSE, HEINRICH A. W. (Romance Philology).
PAES, ELPIDIO FERREIRA (Latin Language and Literature).
PALEIKAT, JORGE (Greek Language and Literature).
PAULA C. GOMES, FRANCISCO DE (Portuguese Literature).
SILVA, GUILHERMINO CESAR DA (Brazilian Literature).

Romance Literature:
BACK, JAYME (French Language and Literature).
BEM VEIGA, ALBINO DE (Portuguese Literature).
FERREIRA, JOÃO FRANCISCO (Hispanic American Literature).
LODEIRO, JOSÉ (Spanish Language and Literature).
PAES, ELPIDIO FERREIRA (Latin Language and Literature).
PAULA C. GOMES, FRANCISCO DE (Portuguese Literature).
RICCI, ANGELO (Italian Language and Literature).
SILVA, GUILHERMINO CESAR DE (Brazilian Literature).

Geography:
BALDUINO RAMBO, PE. (Anthropology and Ethnography).
BINA MACHADO, MARIA DE A. (Geography of Brazil).
DAMIANI PINTO, IRAJÁ (Geology and Palæontology).
MACHADO CARRION, FRANCISCO (Modern and Contemporary History).
MÁRIO PRUNES, LOURENÇO (Human Geography).
PARANHOS DE ARAUJO, JOSÉ LUIZ (Physical Geography).

History:
BALDUINO RAMBO, PE. (Anthropology and Ethnography).
LAURENT, OTHELO S. (History of Antiquity and the Middle Ages).
LAYTANO, DANTE DE (History of Brazil).
MACHADO CARRION, FRANCISCO (Modern and Contemporary History).
MÁRIO PRUNES, LOURENÇO (Human Geography).
SILVA SCHMITT, DORIVAL DA (History of America).

Physics:
DILLENBURG, DARCY (General and Experimental Physics).
JACOB, GERHARD (Theoretical and Higher Physics).
RODRIGUES, ANTONIO (Geometry).
SEVERO MOTTA, LUIZ (Rational Mechanics, Celestial Mechanics, Mathematical Physics).
TIETBÖHL, ARY NUNES (Mathematical Analysis, Higher Analysis).

Natural History:
AZAMBUJA, JOSÉ R. A. DE, Jr. (Mineralogy and Petrography)
DAMIANI PINTO, IRAJÁ (Geology and Palæontology).
FELIZARDO, JORGE GODOFREDO (Zoology).
MUCCILLO, ROMEU (General Biology).
SCHULTZ, ALARICH RUDOLF HOLGER (Botany).

Mathematics:
DICK, TUISKON (Organic Chemistry, Biochemistry).
GEISEL, BERNARDO (General, Inorganic and Analytical Chemistry).
OLIVEIRA, CAYOBY VIEIRA DE (Complements of Mathematics).
PILLA, LUIZ (Chemical Physics, Higher Chemistry).

Journalism:
BEM VEIGA, ALBINO DE (Portuguese Language).
BINA MACHADO, MARIA DE A. (Geography of Brazil).
BRUNO, SALVADOR (Periodicals).
CORRÊA, ERNESTO (Newspapers).
COSTA, RENATO (Economics).
DUNCAN, SYLVIO WALLACE (Newspaper Administration and Publicity).
LAYTANO, DANTE DE (History of Brazil).
LAURENT, OTHELO S. (History of Antiquity and the Middle Ages).
MACHADO CARRION, FRANCISCO (Modern and Contemporary History).
MÁRIO PRUNES, LAURENÇO (Human Geography).
MEDEIROS, LAUDELINO T. DE (Sociology).
PEREIRA DE AZAMBUJA, DARCY (Politics).
ROCHA, GERALDO OTAVIO (Ethics, History and Legislation of the Press).
RUSCHEL, NILO MIRANDA (Radio Journalism).

Didactics:
AMARAL, ANNA IRIS DO (Educational Psychology).
CAMPOS, JOSÉ GOMES DE (School Administration and Comparative Education).
PACHECO, GRACIEMA (General and Special Didactics).
PETRUCCI, SALVADOR (Educational Statistics).
SILVA, OSCAR MACHADO DA (Psychology).

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Faculty of Medicine:
- Almeida Martins Costa, Decio de (Pædiatrics and Child Hygiene).
- Avila, Cesar (Orthopædics).
- Bopp, Clovis (Dermatology and Syphilology).
- Borges Fortes, Arí (Neurology).
- Castilho, Walter Hugo (General Pathology).
- Castilhos M. Pereira, Francisco de (Histology and General Embryology).
- Correa Meyer, Ivo (Ophthalmology).
- Cutin, Moisés (Oto-Rhino-Laryngology).
- Di Primio, Raúl (Parasitology).
- Dick, Tuiskon (Physiological Chemistry).
- Domingues Carneiro, José Fernando (Phthisiology).
- Faraco, Eduardo Zacaro (Therapeutics).
- Ferreira, Alvaro B. (Clinical Medicine).
- Fischer, João Cahen (Operative Technique and Experimental Surgery).
- Fonseca Milano, José Carlos (Anatomy).
- Freitas, Othon (Obstetrics).
- Gomes, Fradique Corrêa (Gynæcology).
- Gonçalves, Manoel L. (Pharmacology).
- Louzada, Antonio Peyrouton (Tropical Infectious Diseases).
- Maciel, Rubens (Clinical Medicine).
- Mariante, Tomaz L. (Clinical Medicine).
- Martins Job, José (Clinical Medicine).
- Maurell Moreira, Paulo (Hygiene).
- Medeiros, Helio Lopes (Biophysics).
- Monteiro, Jací (Clinical Surgery).
- Oliveira e Silva, José Hilario de (Clinical Surgery).
- Pagliolo, Elysev (Surgical Propædeutics).
- Pastous Freitas, Antonio Saint (Clinical Medicine).
- Pereira, Oscar Belmiro Manoel May (Microbiology).
- Pilla, Raúl (Physiology).
- Prunes, Celestino (Forensic Medicine).
- Sarmento Barata, Luiz Soares (Urology).
- Souza, Décio S. (Psychiatry).
- Tibirica, Paulo, Q. T. (Pathological Anatomy).

Faculty of Odontology:
- Brandão, Gaspar de Carvalho Soares (Buco-facial Prosthesis).
- Chahér, José (Pathology and Applied Therapeutics).
- Ebling, Hardy (Histology).
- Fonseca Milano, José Carlos (Anatomy).
- Fonseca Milano, Nicolau (Clinical Odontology).
- Guimarães, Luiz Carlos (Clinical Odontology).
- Mello, Antonio Veríssimo de (Odontology, Odontopædiatrics).
- Pereira Louro Filho, Paulo (Microbiology).
- Pilla, Raul (Physiology).
- Prunes, Celestino Moura (Hygiene and Legal Odontology).
- Rosat, Antonio (Dental Prosthesis).
- Santos e Silva, Othon dos (Odontological Technique).
- Souza, João Benedicto de (Dental Prosthesis).
- Suffert, Léo Werner (Metallurgy and Applied Chemistry).

Faculty of Pharmacy:
- Chagas de Souza, Francisco Carlos (Microbiology).
- Moreira, Paulo Maurell (Hygiene and Pharmaceutical Legislation).
- Oliveira, Henrique (Toxological and Bromatological Chemistry).
- Paula Calleya, Francisco de (Galenic Pharmacy).
- Primio, Raul Franco di (Zoology, Parasitology).
- Ribeiro Dantas, Rubem Green (Biological Chemistry).
- Ribeiro Filho, Joaquim (Organic Chemistry).
- Rocha, José Vianna (Chemical Pharmacy).
- Ros, Germano Roman (Analytical Chemistry).
- Schmitt Saint'Anna, Belkis Maria (Pharmacology).
- Sieczkowski, Flávio (Physics Applied to Pharmacy).
- Silveira Netto Filho, Alfredo (Botany Applied to Pharmacy).
- Vasconcellos, Ennio Moniz (Industrial Pharmaceutical Chemistry).

School of Engineering: 55 professors.
School of Nursing: 42 professors.
School of Agronomy and Veterinary: 21 professors.

Faculty of Architecture:
- Albuquerque Graeff, Edgar de (Architectural Theory).
- Azevedo Moura, Fernando de (Structural Systems).
- Carvalho, Adalberto Rodrigues de (Sanitation, Public Utilities).
- Carvalho Schmitt, Carlos de (Graphic Statics).
- Castilhos, Julio Ribeiro de (Modelling).
- Cauduro, Ricardo (Applied Physics).
- Corrêa, Ernani Dias (Analytical Architecture).
- Eichenberg, Urano (Domestic Hygiene).
- Espartel, Lélis (Construction Techniques, Topography).
- Faria, Luiz Leseigneur de (Mathematics).
- Gnochi, Angelo Guido (History of Art).
- Gonzales Blanco, Diego (Construction Materials).
- Grundig, Frederico Werner Hugo (Construction Stability).
- Lubke, Max Waldemar (Municipal Administration).
- Lunardi, Fernando Petersen (Design).
- Martins da Rosa, Alexandre (Political Economy).
- Müller, Frederico Michel (Artistic Composition).
- Paiva, Edwaldo Pereira (Urban Studies, Landscape Architecture).
- Paiva, Leovegildo (Work Organisation).
- Pellegrini, Sergio Helio (Large-scale Architecture).
- Pianca, João Baptista (Brazilian Architecture).
- Ribeiro, Demétrio (Architectural Composition).
- Ripoll, Emilio Mabilde (Stereotomy).
- Tietböhl, Ary Nuñes (Higher Mathematics).
- Wolff, Ivo (Concrete).

PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO GRANDE DO SUL

PRAÇA D. SEBASTIÃO, 2 -PORTO ALEGRE

Telephone: 9-28-96

Founded 1948

Rector: Rev. Irmao José Otão.
Registrar: Ir. Elvo Clemente.
Librarian: Ir. Dionisio Fuertes Alvarez.

Number of teachers: 312.
Number of students: 2,950.

Directors:

Faculty of Economics and Political Sciences: Dr. Antonio César Alves.
Faculty of Law: Dr. Baltazar Gama Barbosa.
Faculty of Philosophy: Prof. Ir. Faustino João.
Faculty of Odontology: Prof. Daniel Juckowski.
Faculty of Engineering: Prof. Alvaro Leão de Carvalho da Silva.
Catholic Faculty of Philosophy (Pelotas): Prof. P. João Zatera.
Faculty of Philosophy (Santa Maria): Madre Consuelo.
Faculty of Philosophy (Passo Fundo): P. Alcides Guareschi.
Faculty of Philosophy (Ijuí): Frei Matias.
Faculty of Philosophy M. Champagnai: Prof. João Batista Camilotta.
School of Social Service: Prof. Lucia Gavello Castillo.
Institute of Psychology: Prof. Hugo Danilo.
Institute of Sociology: Prof. José Danton de Oliveira.

Professors:

Faculty of Political and Economical Science: 46.
Faculty of Law: 26.
Faculty of Philosophy:
- *Social Sciences:* 8.
- *Philosophy:* 13.
- *Pedagogy:* 8.
- *English-Germanic Literature:* 12.
- *Classical Literature:* 10.
- *Romance Literature:* 12.
- *Geography and History:* 25.
- *Mathematics:* 10.
- *Chemistry:* 6.
- *Journalism:* 10.
- *Didactics:* 6.

Faculty of Odontology: 45.
School of Social Service: 29.
Schaol of Engineering: 42.

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UNIVERSIDADE RURAL DO BRASIL
(Agricultural University)

KM. 47 RODOVIA RIO-SÃO PAULO, ITAGUAÍ-RIO DE JANEIRO

Founded 1944

Rector: Dr. AURELIO AUGUSTO ROCHA.
Secretary: ALFEU DE MIRANDA PEIXOTO.
Registrar: LEÔNCIO BARRETO FILHO.
Head of Administration: MARIA AUGUSTA GRIJO SOARES PEREIRA.
Librarian: FRANCISCO ESCOBAR DUARTE.

Library: f. 1948: 30,854 vols.
Number of teachers: 90.
Number of students: 409.

DIRECTORS:

National School of Agriculture: HONÓRIO DA COSTA MONTEIRO FILHO.
National School of Veterinary Science: Dr. JADYR VOGEL.
Specialised Extension Courses: ELOY HARDMAN CAVALCANTI DE ALBUQUERQUE.

PROFESSORS:

National School of Agriculture:

ALVAHYDO, ROBERTO (Analytical Chemistry).
BARRETO, HELIO SAUL RAMOS (Agricultural Chemistry).
CARVALHO ARAUJO, LUIZ (Horticulture and Silviculture).
CARVALHO, HOMERO ROBERTO (Rural Engineering).
CAVINA, RÔMOLO (Rural Economics).
COSTA MONTEIRO FILHO, HONORIO DA (Agricultural Botany).
DE CASTRO, ABEILARD FERNANDO (Agricultural Geology).
DOMINGUES, OCTAVIO (General Zootechnics).
FONSECA, HILTON JOSÉ DE SALLES (Drawing).
GONCALVES, CINCINNATO RORY (Agricultural Entomology).
GROSSMANN, AMÉRICO (Specialised Agriculture).
LIMA CAMARA, ARQUIMEDES DE (Agricultural Mechanics).
MACHADO DE ALMEIDA, DEBLANGY (Mathematics).
NASCIMENTO FILHO, ALFREDO CESAR DO (General Agriculture).
PEREIRA, PAULO COSTA (Organic Chemistry).
ROCHA, AURELIO AUGUSTO DA (Agricultural Physics).
SABUGOSA, JOSÉ DE MELLO (Specialised Zootechnics).
SILVEIRA, VERLANDE DUARTE (Phytopathology and Microbiology).
SOARES, BENEDITO ABILIO MONTEIRO (Agricultural Zoology).

National School of Veterinary Science:

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ALVES DE SOUZA, MOACYR (Infectious, Contagious and Parasitical Diseases of Domestic Animals, Sanitation).
BRIQUET JUNIOR, RAUL (General Zootechnics, Breeding and Housing of Domestic Animals).
DACORSO FILHO, PAULO (Pathological Anatomy and Technics of Necropsis).
LEITE XAVIER, VICENTE (Microbiology and Immunology).
LOBO, BRUNO ALIPIO (Histology and Immunology).
MIRANDA, ROBERTO MEIRELLES DE (Specialised Zootechnics).
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NOVAES, DJALMA (Hygiene and Animal Nutrition).
OLIVEIRA, ALZIDO DE (Anatomy of Domestic Animals).
SOUZA LOPEZ, HUGO DE (Medical Zoology, Parasitology and Parasitical Diseases).
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VOGEL, JADYR (General Pathology and Semeiology).

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Number of students: 533.

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Werebe, Maria Jose Garcia (Educational Orientation).

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SILVA, JOAQUIM BEZERRA (Analytical Architecture).
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BOUCINHAS, José DA COSTA (Costing).
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CAMPOS MOREIRA, GERALDO (Public Law Institutions).
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FURQUIM DE ALMEIDA, CLODOMIRO (Financial and Actuarial Mathematics).
GOMES DE SOUZA, RUBENS (Tax Legislation).
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AQUINO ROCHA, Rev. EDGAR DE (Political Economy).
AZEVEDO RIBEIRO, JAIR DE (Public Law).
CHOROBOCZEK, Rev. RAFAEL (Religion).
D'AMBROSIO, NICOLAU (Financial Mathematics).
FERNANDES STRINGARI, Rev. José (Religion).
JACUZZI, Rev. LEONARDO (Religion).
LA LAINA, CAETANO (Accountancy).
RODRIGUES DE MELLO, ASTROGILDO (Economic Geography).
TRISOTTO, Rev. NELLO (History of EconomicDoctrines).

Faculty of Industrial Engineering:
BREVES, JOÃO AUGUSTO, Jr. (Rational Mechanics).
CERRUTI, EURICO (Physics).
FERREIRA, JOAQUIM, Jr. (Applied Mechanics).
FURQUIM DE ALMEIDA, FERNANDO (Descriptive and Projective Geometry).
GAYOTTO, FRANCISCO (Industrial Physics).
GOMES BUENO, S.J., Rev. José (Religion).
GUEDES, HENRIQUE JORGE (Topography).
KOBAL, JOÃO, Jr. (Industrial Chemistry).
LACAZ NETO, FRANCISCO ANTÓNIO (Analytical Geometry, Gnomonography).
LIMA DA SILVA DIAS, CANDIDO (Infinitesimal Calculus).
MACEDO VAN LANGENDONCK, TELEMACO HIPÓLITO DE (Resistance of Materials, Graphic Statics).
MARQUES DE ALMEIDA, FERNANDO FLÁVIO (Mineralogy and Petrography).
MONTEIRO PINHEIRO, HORÁCIO (Physical Chemistry and Electrochemistry).
NOGUEIRA, JOSÉ MILTON (Chemistry).
NOGUEIRA GARCEZ, LUCAS (Hydraulics).
PAPATERRA LIMONGI, JOÃO (Economics and Statistics).
ROPERTO, ROBERTO (Analytical Chemistry).
SOARES MONTEIRO, Rev. ADAUTO (Physiochemistry and Electrochemistry).
TASTALDI, HENRIQUE (Technological Botany, Biochemistry and Zoology).
VERLANGIERI, JOSÉ (Hygiene).

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FUNDAÇÃO UNIVERSIDADE FEDERAL DE SÃO PAULO
(Federal University of São Paulo)
SÃO CARLOS, SÃO PAULO
Founded 1962

The following establishments will be incorporated: The Pauline School of Medicine, The School of Nursing of the São Paulo Hospital, The Faculty of Medicine of Campinos, The Faculty of Law of Sorocabe, The Municipal Faculty of Economic Sciences of Santo André, and the Consevatoire of Dramatic and Musical Art of São Paulo. Departments of mathematics, biology, geography, human sciences, and arts and letters will be added.

TECHNICAL INSTITUTES

ESCOLA NACIONAL DE MINAS E METALURGIA
(School of Mining and Metallurgy)
PRAÇA TIRADENTES, OURO PRETO, M.G.
Founded in 1876 by the French scientist Henri Gorceix by special commision of Emperor Pedro II.
Director: Dr. SALATHIEL TORRES.

INSTITUTO ELECTROTECNICO DE ITAJUBA
RUA CORONEL RENO, 7, ITAJUBA, MINAS
Founded 1913
Director: Prof. PEDRO MENDES DOS SANTOS.
Number of teachers: 25.
Number of students: 208.
Publication: *Hsinas Hidroelétricas.*

INSTITUTO TECNOLOGICO DE AERONAUTICÁ
SÃO JOSÉ DOS CAMPOS, SÃO PAULO
Telephone: 450
Founded 1947
Rector: MARCO A. G. CECCHINI.
Registrar: ARP PROCOPIO DE CARVALHO.
Librarian: ABNER LELLIS VICENTINI.
Number of teachers: 120.
Number of students: 537.

DIRECTORS:
Department of Electronic Engineering: LUIS VALENTE BOFFI.
Department of Aeronautical Engineering: JACELE GORECKI.
Department of Mechanical Engineering: OTAVIO RICARDO.

PROFESSORS;
BOFFI, LUIZ VALENTE (Conversion and Control of Energy).
CANTANHEDE FILHO, LUIZ (Airlines and Ground Organisation).
DUNNE, PADRAIC C. (Aeronautics and Structures).
GORECKI, JACEK P. (Aerodynamics).
PAULUS, AULUS POMPEIA (Physics).
RICARDO, OTAVIO (Electronics).
TOLLE, PAULO ERNESTO (Administration and Law).

Escola de Engenharia de Alagôas: Rua Cons. Sinimbu 206, Maceió, Al.; f. 1955.

Escola de Engenharia do Brasil Central: Praça Universitaria Goiania, Go.; f. 1954.

Escola de Engenharia do Juiz de Fóra: Rua Visc. de Maúa, Juiz de Fóra, MG.; f. 1915.

Escola de Engenharia do Triângulo Mineiro: Av. Guilherme Ferreira, 217, Uberaba, MG.; f. 1957.

Escola Fluminesne de Engenharia: Rua Passo da Pátria 156, Niterói, RJ.; f. 1953.

Escola de Engenharia Industrial: Rua Cel. Sampaio, Rio Grande, RS.; f. 1956.

Escola de Química Industrial do Pará: Praça da República, Belém, Pa.; f. 1956.

Escola de Química de Sergipe: Rua Camp do Brito 371, Aracajú, SE.; f. 1950.

Escola de Engenharía de São Paulo: nr. São Paulo, SP.; f. 1962.

SCHOOLS OF ART AND MUSIC

Rio de Janeiro

Escola Nacional de Belas Artes (*National School of Fine Arts*): Rua Araújo Porto Alegre; f. 1816 by D. João VI of Portugal as Academia Imperial das Belas Artes; present name since 1890; is attached to the Universidade do Brasil; Dir. CALMON BARRETO.

Instituto Nacional de Música da Universidade do Brasil (*National School of Music, Brazil University*): Rua do Passeio 98; f. 1848 as Conservatório Imperial de Música, then Instituto Nacional de Música; library (f. 1890), 25,000 vols. of music; museum of instruments; Dir. Maestrina JOANIDIA SODRÉ; Librarian MARIA HUGO BRAGA PINTO COELHO; publs. *Revista de Música Brasileira* (monthly), *Arquivos de Música Brasileira* (bi-annually).

Attached to the School is the **Centro de Pesquisas Folclóricas** (*Folklore Research*), f. 1943, Dir. (Técnico Pesquisador) Sra. DULCE LAMAS; Prof. LUIZ H. CORRÈA DE AZEVEDO; collections of native music on records.

Academia de Música "Lorenzo Fernandez" (*"Lorenzo Fernandez" Academy of Music*): Av. Rio Branco, 311-11 and; f. 1954; Dir. D. HELENA LORENZO FERNANDEZ.

Conservatório Brasileiro de Música (*Brazilian Academy of Music*): Av. Graça Aranha, 57-12°; f. 1936; Dir. Professora ANTONIETTA DE SOUZA.

Conservatório Nacional de Canto Orfeônico (*National Academy of Choral Singers*): Av. Pasteur, 350; f. 1943; Dir. OCTALIO DE SOUZA BRAGA.

São Paulo

Conservatório Dramático e Musical de São Paulo (*Academy of Music and Drama*): Av. São João 269; f. 1906; library, 24,000 vols.; Dir. Dr. WILSON RAHAL.

Escola de Arte-Fundação Armando Alvares Penteado: Rua Alagoas 903; Dir. FLÁVIO L. MOTTA.

Escola de Belas Artes de São Paulo: Praça da Luz 2, São Paulo; f. 1925; teaching staff: 16; Dir. Arq. CARLOS A. GOMES CARDIM FILHO.

Instituto Musical "Santa Marcelina": Rua Cardoso de Almeida 541; Dir. Sister SOPHIA MARCHETTI.

Conservatório Paulista de Canto Orfeônico (*São Paulo Academy of Choral Singers*): Rua Silveira Martins, 147; f. 1927; Dir. Maestro JOÃO BATISTA JULIÃO.

Seminário de Cinema: Rua Cunha Gago, 152; Dir.-Pres. CASSIANO GABUS MENDES; trains technicians and screen writers.

Campinas

Conservatório de Canto Orfeônico "Maestro Julião" (*Maestro Julião Academy of Choral Singers*): Universidade Católica de Campinas, Rua Marechal Deodoro, 1099; f. 1947; Dir. Prof. LUIZ BIELA DE SOUZA.

Goias

Escola Goiana de Belas Artes (*Goia School of Fine Arts*): Praça Civica, 3; f. 1954; Dir. Dr. LUÍS DO CARMO CURADO.

Porto Alegre

Escola de Artes da Universidade do Rio Grande do Sul (*Institute of Fine Arts*): Rua Senhor dos Passos, 248; f. 1908; Dir Profa, AURORA MARIA CONCEIÇÃO DESIDÉRIO.

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BULGARIA

Population 7,943,000

BULGARIAN ACADEMY OF SCIENCES

SOFIA, 7TH NOVEMBER STREET, 1

Founded 1869

Honorary President: Acad. TODOR PAVLOV.
President: LIUBOMIR KRĂSTANOV.
Vice-Presidents: VLADIMIR GEORGIEV, GEORGY USUNOV, ROSTISLAV KAIŠEV.
General Scientific Secretary: LIUVOMIR ILIEV.
Scientific Secretaries: GEORGY GĂLĂBOV, STOIKO BOSHKOV.

Library: *see* Libraries.

Publications: *Comptes Rendus*, *Spisanie* (Journal), *Priroda* (Nature).

MEMBERS:

ANGELOV, S. (Micro-Biology).
BEŠKOV, A. (Economic Geography).
BONČEV, E. (Geology).
BOŽINOV, A. (Painter).
BUREŠ, J. (Zoology, Entomology).
ČAKALOV, L. (Mathematics).
CANKOV, S. (Theology and Law).
CENOV, I. (Mathematics).
DACEV, A. (Theoretical Physics).
DASKALOV, H. (Agronomy).
DIMITROV, M. (Philosophy and History).
EMANUILOV, J. (Microbiology).
GANOVSKI, S. (Philosophy).
GEORGIEV, V. (Linguistics).
GEORGIEVA, R. (Genetics and Selection of Plants).
GOŠEV, I. (Theology and Archæology).
HADŽIOLOV, A. (Histology, Embryology).
HLEBAROV, G. (Animal Breeding).
HRISTOV, H. (Theoretical Physics).
HRISTOV, V. K. (Geodesy).
IVANOV, K. (Veterinary and Comparative Pathology).
JORDANOV, D. (Botany).
JOVČEV, J. (Geology).
KAIŠEV, R. (Physical Chemistry).
KAMENOV, E. (Economics).
KARASLAVOV, G. (Writer).
KOSEV, D. (History).
KRĂSTANOV, L. (Geophysics).
KRISTANOV, C. (Medicine).
MIHALČEV, D. (Philosophy).
MIJATEV, K. (Archæology).
NADŽAKOV, G. (Physics).
NATAN, Z. P. (Economics).
OBREŠKOV, N. (Mathematics).
ORAHOVAC, D. (Physiology).
PAVLOV, K. (Plant Breeding).
PAVLOV, T. (Philosophy).
POPOV, A. T. (Agronomy).
POPOV, D. (Organic Chemistry).
POPOV, K. A. (Mathematics).
POPOV, P. M. (Plant Breeding).
RANKOV, G. (Organic Technology).
SNEGAROV, I. (History).
STAJNOV, P. G. (Composer).
STAJNOV, P. S. (Law).
STEFANOV, B. (Forestry).
STEFANOV, I. (Economics, Statistics).
STOJANOV, A. (Music).
STOJANOV, L. (Writer).
STOJANOV, N. (Botany).
UZUNOV, G. (Psychiatry).
VASILEV, L. (Law).

The Academy has nine departments, in which the following Institutes are included:

Department of Physics and Mathematics: Sec. Acad. A. DACEV.
- Institute of Physics, with Atomic Research Station: f. 1946; Dir. G. NADŽAKOV.
- Institute of Electronics: f. 1963; Dir. E. DŽAKOV.
- Mathematical Institute with Computing Centre: f. 1948; Dir. N. OBREŠKOV.
- Institute of Geophysics: f. 1960; Dir. L. KRASTANOV.
- Institute of Hydrology and Meteorology; f. 1953; Dir. I. MARINOV.
- Central Laboratory of Geodesy: f. 1956; Dir. V. K. HRISTOV.
- Section of Astronomy: f. 1958; N. BONEV.

Publs. *Izvestija, Annual of the Astronomical Observatory, Physico-Mathematical Journal.*

Department of Technical Sciences: Sec. Acad. A. BALEVSKI.
- Institute of Water Problems: f. 1963; Dir. D. VELEV.
- Institute of Technical Mechanics: f. 1963; Dir. G. BRANKOV.
- Machines and Metals Research Institute: f. 1964; Dir. A. BALEVSKI.
- Central Laboratory of Energetics: f. 1962; Dir. G. RAŠEEV.
- Central Laboratory of Automation and Remote Control: f. 1960.
- Section of Theory and History of Town Planning and Architecture: f. 1962; Head L. TONEV.

Publs. *Izvestija, Bulgarian Architectural Heritage.*

Department of Geology and Geography: Acad.-Sec. B. KAMENOV.
- "S. Dimitrov" Institute of Geology: f. 1947; Dir. E. BONČEV.
- Institute of Geography: f. 1950; Dir. J. GĂLĂBOV.

Publs. *Inzvestija, Journal of the Geological Society.*

Department of Chemical Sciences: Acad.-Sec. B. KURTEV.
- Institute of General and Inorganic Chemistry: f. 1960; Dir. G. BLIZNAKOV.
- Institute of Organic Chemistry: f. 1960; Dir. B. KURTEV.
- Institute of Physical Chemistry: f. 1956; Dir. R. KAIŠEV.

Publ. *Izvestija.*

Department of Biological Sciences: Acad.-Sec. I. EMANUILOV.
- Institute of Zoology with Natural Science Museum: f. 1947; Dir. G. PADPALEV.
- Institute of Botany with Botanical Garden: f. 1947; Dir. D. JORDANOV.

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"M. Popov" Institute of Biology: f. 1948; Dir. K. J. Popov.
Institute of Microbiology: f. 1947; Dir. I. Emanuilov.
Institute of Comparative Pathology of Animals: f. 1948; Dir. K. Ivanov.
Central Laboratory of Helminthology: f. 1954; Chair. K. Matov.
Central Biochemical Research Laboratory: f. 1960; Chair. R. Tsanev.
Publs. *Izvestija, Trudove, Fauna na Balgarija.*

Department of Medical Sciences: Acad.-Sec. I. Pencev.
Institute of Physiology: f. 1957; Dir. D. Orahovac.
Institute of Morphology: f. 1953; Dir. A. J. Hadžiolov.
Institute of Nutrition: f. 1960; Dir. T. Tašev.
Attached to the Department there are four Sections doing research work in Neurology and Psychiatry, Endocrinology, Cardio-vascular Diseases and Orthopaedics and Traumatology.
Publ. *Izvestija.*

Department of History and Pedagogics: Acad.-Sec.: D. Kosev.
Institute of History: f. 1947; Dir. D. Kosev.
"T. Samodumov" Institute of Pedagogics; f. 1950; Dir. S. Ganovski.
Institute of Archeology with Museum: f. 1921.
Institute of Ethnography with Museum: f. 1947; Dir. H. Gandev.
Publs. of the Dept.: *Izvestija, Documents of Bulgarian History, Sources of Bulgarian History, Monuments of Art in Bulgaria, Historical Review, The Journal of Archæology.*

Department of Philosophy, Economics and Law: Acad.-Sec. E. Kamenov.
Institute of Philosophy: f. 1948; Dir. T. Pavlov.
Institute of Economics: f. 1949; Dir. K. Dobrev.
Institute of Law: f. 1948; Dir. L. Vasilev.
Publs. of the Dept.: *Izvestija, Philosophy Thought, Economic Thought, Law Thought.*

Department of Linguistics, Literature and Fine Arts: Acad.-Sec.: V. Georgiev.
Institute of Bulgarian Language: f. 1942; Dir. L. Andrejčin.
Institute of Literature: f. 1948; Dir. G. Canev.
Institute of Music: f. 1948; Dir. P. G. Stajnov.
Institute of Fine Arts: f. 1949; Dir. A. Obretenov.
Publs. of the Dept.: *Izvestija, Bulgarian Language, Literary Thought.*

Bodies under the Direct Supervision of the Praesidium of the Bulgarian Academy of Sciences:
Committee for the Study of Productive Forces: Pres. I. Zahariev.
Editorial and Publishing Council: Sec. K. Ivanov.
Central Library of the Bulgarian Academy of Sciences: *see under* "Libraries".
Archives of the Academy: Head T. Trifonov.
Service for the preparation of a Bulgarian Encyclopaedia: Chief L. Nanov.
Commission for nature preservation: Pres. G. Paspalev.
Publishing House of the Bulgarian Academy of Sciences and Printing House: Dir. K. Krâstev.
Centre for Scientific and Technical Information and Documentation: f. 1959; Head A. Pocinkov.
Publs.: Bulletin of the Publishing House of the Bulgarian Academy of Sciences.

ACADEMY OF AGRICULTURAL SCIENCES

SOFIA, 6 DRAGAN TZANKOV STR.

Founded 1961

President: Corresp. mem. T. Černokolev.
Vice-Presidents: Acad. H. Daskalov.
Corresp. mem. S. Kumanov.
General Scientific Secretrary: Acad. K. Pavlov.
Scientific Secretaries: Prof. K. Stoev.
Research Worker P. Konišev.

Members:
Daskalov, H. (Agronomy).
Georgieva, R. (Agronomy).
Hlebarov, G. (Animal Breeding).
Pavlov, K. (Agronomy).
Popov, A. (Agronomy).
Popov, P. (Agronomy).
Stefanov, B. (Forestry).

Corresponding Members:
Bratanov, K. (Veterinary).
Černokolev, T. (Agric. economy).
Kovačevsky, I. (Agronomy).
Kumanov, S. (Animal Breeding).
Milkovsky, J. (Agronomy).
Nedelčev, N. (Viticulture).
Platikanov, C. (Animal Breeding).
Stajkov, C. (Agr. chemistry).
Stojanov, B. (Forestry).

The Academy has four Departments, in which the following Institutes are included:

Department of Agriculture and Forestry.
Central Research Institute of Plant Breeding, Sofia: f. 1952; Dir. Acad. H. Daskalov.
Central Research Institute of Soil Science and Agrotechnics, Sofia: f. 1948; Dir. Corresp. mem. C. Stajkov.
Central Research Institute of Plant Protection, Sofia: f. 1935; Dir. Corresp. mem. I. Kovačevsky.
Central Research Institute of Tobacco, Plovdiv: f. 1950; Dir. Prof. H. Grančarov.
Central Research Institute of Forage Crops, Pleven: f. 1955; Dir. V. Lazarov.
Complex Research Institute of Agriculture, General Tosevo Station, Tolbuhin District: f. 1951.
Complex Research Institute of Agriculture, Kneža: f. 1952; Dir. V. Valčinkov.
Complex Research Institute of Agriculture, Cirpan: f. 1925; Dir. Candid. of agr.sc. I. Manolov.
Complex Research Institute of Agriculture, Poljanovgrad: f. 1925; Dir. G. Telkiev.
Central Research Institute of Forestry, Sofia: f. 1928; Dir. Acad. B. Stefanov.

Department of Animal Husbandry and Veterinary Science.
Central Research Institute of Animal Husbandry, Kostinbrod Station, Sofia District: f. 1936; Dir. Corresp. mem. S. Kumanov.
Central Veterinary Research Institute of Infectious and Parasite Diseases, Sofia: f. 1901; Dir. I. Čenčnev.
Central Veterinary Research Institute of Non-Infectious Diseases and Zoo-Hygiene, Sofia: f. 1942; Dir. H. Lalov.

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Central Research Institute of Biology and Pathology of the Propagation of Livestock, Sofia: f. 1938; Dir. Corresp. mem. K. BRATANOV.
Central Veterinary Research Institute of Virology, Sofia: f. 1954; Dir. B. SERDŽIEV.
Central Research Institute of Veterinary Hygiene and Control of Animal Products, Sofia: f. 1941; Dir. M. PANAJOTOVA.
Research Institute of Chemical Synthesis, Sofia.

Department of Viticulture, Fruitgrowing and Vegetable Crops.
Central Research Institute of Viticulture and Wine Industry, Pleven: f. 1902; Dir. K. STOEV.
Central Research Institute of Fruitgrowing, Kostinbrod Station, Sofia District: f. 1953; Dir. E. POPOV.
Central Research Institute of Vegetable Crops, Plovdiv: f. 1930; Dir. A. MIHOV.

Department of Mechanisation and Economics of Agriculture.
Central Research Institute of Economics of Agriculture, Sofia: f. 1935; Dir. Prof. econ.sc. P. KIREV.
Central Research Institute of Mechanisation and Electrification of Agriculture, Sofia: f. 1950; Dir. Cand. techn.sc. M. MIHAJLOV.
Central Research Institute of Hydrotechnics and Meliorations, Sofia: f. 1952.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

AGRICULTURE, GEOGRAPHY AND GEOLOGY

Bulgarian Agricultural Society: Sofia, Gladstone Street 67; f. 1896; publs. *Zemledelie, Gradinarstvo.*

Bulgarian Geographical Society: Sofia.

Bulgarian Geological Society: Sofia.

THE ARTS

Bulgarian Musicians' Union: Sofia, Saimow 60; f. 1904; Sec. WEN. KRAESTOW; Sec.-Gen. D. TÄPKOW.

Society of Philologico-Slavonic Studies in Bulgaria: State University, 15 Rusky Boul., Sofia; Dir. The Dean of the Philological Faculty.

Union of Bulgarian Actors: Sofia, September Street 9; Pres. PETAR DIMIRIOV.

Union of Artists and Theatrical Workers: Sofia, Gavril Genoff Street 21; f. 1921 to aid growth of theatrical activity in Bulgaria; 2,049 mems.; library contains 2,300 vols.; Pres Prof. V. L. IRANDAFILOV; Secs. GOTCHO GOTCHEV GEORGE MILEV.

Union of Bulgarian Artists: Sofia, Rakovska Street; Pres. MILENKOFF.

Union of Bulgarian Writers: Sofia, Angel Kantchev Street 5; Sec. Gen. GEORGE KARASLAVOV.

ECONOMICS, HISTORY, PHILOSOPHY

Historical Society: Sofia University; publ. *Istoricheski Pregled.*

Philosophical and Pedagogic Society: Sofia University.

Philosophical and Sociological Society: Sofia, September Street 53; f. 1925.

Political Economy Society: Sofia, Boulevard Zar Osvobotidel 16; Pres. N. STOYANOFF.

LAW

Law Association for External Affairs: Law Office, Foreign Legal Matters, 31 Alabinstreet, Sofia; 20 mems.; Pres. PETER STEFANOV.

MEDICINE, SCIENCES

Association of Bulgarian Physicians: Sofia, Aksakoff 19; f. 1900; Pres. Dr. DIMITROFF; Sec. Dr. TASSEFF.

Bulgarian Botanical Society: Bulgarian Academy of Sciences, Botanical Institut, Sofia, 13.

Bulgarian Entomological Society: Sofia, Boulevard Ruski 1; 7 departments; Pres. Dr. I. BURESH; Sec. P. DRENSKI.

Bulgarian Scientific Stomatological Association: Sofia, 1 Georgi Sofiisky; Pres. Dr. B. BOYANOV; Sec. Dr. G. KOLAROV.

Chemistry Society: Sofia, Zar Assain 75.

Society of Medical Biologists in Bulgaria: Sofia; departments of biology, anatomy, pathological anatomy-pathological physiology, embryology, histology, pathology, pharmacology.

Society of Microbiologists, Epidemiologists, Hygienists and Medical Administrators in Bulgaria: Boul. VI Zaimov 26, Sofia.

Society of Natural Sciences: Sofia University; f. 1896.

Society of Pharmaceutists in Bulgaria: Sofia.

Society of Physicists and Mathematicians: Sofia, Mathematical Institute, Moskovska 13.

Society of Surgeons in Bulgaria: Sofia; three sections: for obstetrician-gynæcologists, oto-rhino-laryngologists, oculists.

Society of Therapeutists in Bulgaria: Sofia; seven sections: for internists, pædiatricians, dermatologists, phthisiologists, neuropsychiatrists, physiotherapists, röntgenologists.

LIBRARIES

Bulgarian Bibliographical Institute "Elin Pelin": Sofia, Boulevard Tolbukhin 11; f. 1941; 40,705 vols.; Dir. TODOR BOROV; publs. *Bulgarski knigopis* (monthly), *Letopis na periodicnija pecat* (monthly), *Godisnik* (Yearbook), *Bulgarski muzikalen knigopis* (quarterly).

Bulgarian Union of Public Libraries: Sofia, Alabin Street 31; f. 1911; Pres. SAVA GANOVSKI; publ. *Chitalishte.*

Central Historical State Archives: 5 Rue Idanov, Sofia; under the direction of the Ministry of Education and Culture; f. 1952; documents from earliest times, including remnants from the Turkish occupation, until 1944; 455,574 dossiers and library of 4,900 vols.; Dir. P. PANAYOTOV; publ. *Guide.*

Central Library of the Bulgarian Academy of Sciences: Sofia, 7th November Street, No. 1; f. 1869; there are 41 affiliated Institute libraries; Library contains 650,000 volumes; Director Mme E. SAVOVA; publ. *Izvestija.*

Central Library of the Bulgarian-Soviet Society: Sofia.

Central Medical Library: Sofia, Georgi Sofiiski Street 1; f. 1919; 160,000 vols. and periodicals; Dir. VERA KÜLÜMOVA.

Central State Archives of the Popular Republic of Bulgaria: 4 Rue Slavjanska, Sofia; under the direction of the Ministry of Education and Culture; f. 1952; documents on state organisations from September 1944; 226,673 dossiers and library of 9,612 vols.; Dir. J. PEIKOV; publs. *Communications des Archives d'Etat* (review), *L'Aperçu d'Archives* (bulletin).

City Library of Sofia: Sofia, Gurko Street 1; f. 1930; 350,000 vols. and periodicals; Dir. DIMITRINA PANCHEVA.

District Library: Burgas; f. 1889; 70,000 vols. and periodicals; Dir. KATIA KAROLEVA.

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District Library: Kazanlik; f. 1856; 61,000 vols. and periodicals; Dir. TODORA ARNOUDOVA.

District Library: Kolarovgrad (formerly Shumen); f. 1922; 250,115 vols. and periodicals; Dir. TONCHO ANGELOV.

District Library: Russe; f. 1891; 100,000 vols. and periodicals; Dir. ANNA KOTOKOVA.

District Library: Tirnovo; f. 1922; 180,000 vols. and periodicals; Dir. VASSIL GLADILOV.

District Library: Varna; f. 1883; 190,000 vols. and periodicals; Dir. KANCHO NAIDENOV.

Library of the Agricultural Institute: Sofia, Boulevard Dragan Tzankov 8; f. 1921 as branch of the University library; 105,000 vols. and periodicals; Dir. VERA KILUMOVA.

Library of the Technical Institute: Sofia, Boulevard Dragan Tzankov 2; f. 1942; 115,000 vols. and periodicals; Dir. PAVLINA ARMENKOVA.

National Library "Ivan Vazov": Plovdiv; f. 1882; 350,000 vols. and periodicals; Dir. ATANAS SHTARBOV.

National Library of Bulgaria: Sofia, Boul. Tolboukhin 11; f. 1878; 741,545 vols., 4,841 MSS., 12,370 old and rare publications, 32,398 maps, prints and portraits, 25,111 vols. music and records, 677,805 archives; Depts.: MSS. and rare books; Bulgarian Historical Archives; Orientalia; music; maps, prints, portraits, microfilms; Book preservation and restoration laboratory; International exchange and loans; Microfilm and Photo-laboratory; largest public scientific library in Bulgaria; Research Institute in library science and bibliography; Acting Dir. KONSTANTINKA KALAIDJIEVA; publs. *Izvestija* (annual), *Bibliotekar* (monthly), *Bulletin of New Accessions in Foreign Languages* (in 4 series, monthly), etc.

Rodina District Library: Stara Zagora; 48,000 vols. and periodicals; Dir. IVAN MIHAILOV.

Sofia University Library: Sofia, Boulevard Russki 15; f. 1888; *c.* 635,183 vols.; Dir. N. TCHERVENKOV; publs. include *Catalogues of the Library Organisation, Bibliography of Sofia University.*

District Library: Yambol; 47,000 vols. and periodicals; Dir. MINCHO BELYANOZOV.

MUSEUMS AND ART GALLERIES

Sofia

Alexander Stambolisky Museum: Sofia; f. 1956; exhibits illustrating the life of Stambolisky (1879–1923); documents relating to the Agrarian Union Government of 1920–23 and to the Peasant Uprising in Pazardjik led by Stambolisky.

Archæological Museum of the Holy Synod: Sofia, 19 Lenin Square; Dir. Acad. Prof. IVAN GOSHEV.

Central People's Army Museum: Sofia, 23 Boulevard Skobelev; f. 1918; exhibits relating to Bulgaria's military history from the earliest days; Dir. Asst. Prof. M. MIHOV.

Christo Smirnensky Museum: Sofia; the house of the poet Smirnensky (1898–1923); manuscripts of poems, letters, photographs, magazines.

Dimiter Blagoev Museum: Sofia, 34 L. Kossuth Street; the house in which Blagoev, founder of the Communist Party in Bulgaria, lived from 1905 to the end of his life; important documents from the period 1887–90 when Blagoev was the Director of the Skobelev High School; also many personal belongings and a portrait of Blagoev by Eugenia Georgieva; Dir. NADEZHDA SIMEONOVA.

Georgi Dimitrov Central Museum: 1 Gourko Street, Sofia; f. 1953; not yet open to the public; Dir. MARIA SOUKMANDJIEVA.

Georgi Dimitrov Museum: Sofia, Opaltschenska Street 66; f. 1951; the house in which Dimitrov, distinguished leader of the Communist Party, lived from 1886 to 1923; furniture and personal belongings, his library and political documents; Dir. NADEJDA SIMEONOWA.

Museum of Sofia's History: Sofia, 27 Exarch Yossif Street; f. 1953; Dir. S. IGNATIEVSKI.

Museum of the Revolutionary Movement of Bulgaria: Sofia, 11 Narodno Sabrańié Square; f. 1947; Dir. M. PANEV.

Museum of the Zoological Institute of the Bulgarian Academy of Sciences: Sofia, Boul. Russki; formerly Natural Science Museum; f. 1889; Dir. Dr. G. PASPALEV.

National Archæological Museum (attached to the Bulgarian Academy of Sciences): Sofia, Boul. Stamboliiski 2; f. 1878; Dir. Corresp. mem. Prof. D. P. DIMITROV; Curators V. MIKOV, T. GHERASSIMOV, V. MAVRODINOVA, ST. MICHAILOV, IV. VENEDICOV, V. BESHEVLIEV; publs. *Izvestia, Monographs, Excavations and Research* (annual).

National Art Gallery: Sofia, 6 Moskovska Street; f. 1948; representative collection of national art and foreign art; Dr. NICOLAI SHMIRGELA.

National Ethnographical Museum (attached to the Bulgarian Academy of Sciences): Sofia, Moskovska 6A; f. 1906; ethnography and folklore; Dir. B. BOŽHIKOV.

Nikola Vaptzarov Museum: Sofia, 37 Anghel Kunchev Street; f. 1953; the house in which the poet and revolutionary Vaptzarov (1909–43) spent his last years; personal belongings and documents illustrating his life and work; manuscripts of all his poems, his complete library and many pictures; Dir. DORA STOYANOVA.

Vassil Kolarov Museum: Sofia, Assen Zlatarov Street 5; f. 1956; the house in which Kolarov lived; many of the rooms have been completely restored and contain valuable paintings, documents and other objects illustrating Kolarov's importance as a builder of the Communist Party in Bulgaria.

Provinces

Tzanko Tzerkovsky Museum: Biala Tcherkova, Pavlikeni District; pictures and documents illustrating the life and work of the poet and prominent member of the Agrarian People's Union.

National Museum: Bourgas; f. 1925; Dir. GORO GOROV.

National Museum: Kazanluk; f. 1901; Organiser G. TABOKOVA.

Georgi Benkovsky Museum: Koprivshtitza; the house where Benkovsky (1844–76) was born; pictures, documents and many other objects illustrating the life of this revolutionary and leader of the 1876 April uprising.

Lajos Kossuth Museum: Kolarovgrad; f. 1949; the 19th century house in which Kossuth lived in exile from November 1849 to February 1850 after the defeat of the 1848 Hungarian Revolution.

Luben Karavelov Museum: Koprivshtitza; the house in which the poet and revolutionary Karavelov (1837–79) lived; exhibits relating to his life and work.

Stanislav Dospevsky Museum: Pazardjik; the house where the painter Dospevsky lived and worked (1860-1877); many pictures, icons and documents illustrating particularly the importance of Dospevsky as a portrait painter.

Museum of Military History: Pleven, 157 G. Dimitrov Street; Dir. N. BOSHNAKOV; seven branches.

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National Museum: Pleven; historical exhibits.

Angel Bukureshliev Museum: Plovdiv, ul K. Raitcho 7, f. 1953; the house of Buchureshliev (1870–1950), composer and student of Bulgarian folk-songs.

Art Gallery: Plovdiv, 15 Vassil Kolarov Street; Dir. SPAS ZAGOROV.

Museum of the Revolutionary Movement: Plovdiv, 14 A. Boukoureshtliev Street; Dir. T. BELCHOV.

National Archæological Museum: Plovdiv; 1 Suedinenié Square; f. 1882; four departments: Prehistoric, Classical, Medieval and Numismatic; Dir. CHR. DJAMBOV.

National Ethnographical Museum: Plovdiv, 2 Dr. Chomakov Street; Dir. I. STANEV.

Natural Science Museum: Plovdiv, 34 General Zaimov Street; Dir. PAVEL ANGELOV.

National Museum: Roussé; Dir. I. RADKOV.

National Museum: Sliven; Dir. CHARVENDINEVA.

Georgi Milev Museum: Stara Zagora; f. 1953; the house in which Milev's family lived; exhibits illustrating the life of the distinguished literary and art critic (1895–1925)

National Museum: Stara Zagora; f. 1907; Dir. DIMITER NIKOLOV.

P. K. Yavarov Museum: Chirpen, Stara Zagora District, f. 1954; the house where the poet Yavarov was born; the rooms have been completely restored and contain exhibits showing his life and work.

National Museum: Varna; Dir. GANKA IVANOVA; publ. *Bulletin de la Société Archéologique à Varna.*

National Museum: Vidin; Dir. Y. ATANASSOVA.

National Museum: Vratsa; Dir. N. DOINOV.

National Museum: Yambol; archæological and historical exhibits.

Iordan Yovkov Museum: Zheravna, Kotel District; a small museum in the house of Yovkov (1880–1937), the eminent Bulgarian writer.

UNIVERSITY

SOFIISKI UNIVERSITET "KLIMENT OHRIDSKY"

(University of Sofia)

BOULEVARD RUSKI 15, SOFIA

Founded 1888 as High School; granted charter 1909.

Rector: Prof. DIMITER KOSSEV.
Pro-Rectors: Prof. PETER DINEKOV, Prof. BLAGOVEST DOLAPČIEV, Dr. NICOLA POPOV, Dr. CHRISTO IVANOV.
Secretary: G. OBREŠKOVA.

Library: *see* Libraries.

Number of students: 5,823 men, 7,664 women, total 13,487.

DEANS:

Faculty of Philosophy and History: Prof. D. ANGELOV.
Faculty of Letters: Prof. ST. STOJKOV.
Faculty of Science: Dr. H. SPASSOV.
Faculty of Biology, Geology and Geography: Dr. P. PENČEV.
Faculty of Law: Dr. V. TADJER.

PROFESSORS:

Faculty of Philosophy and History (f. 1888):
ANGELOV, D. (Byzantine History).
BANKOV, A. (Logic).
BOROV, T. (History and Organisation of Soviet Archives; Library Science and Bibliography).
BURMOV, AL. (Bulgarian Mediæval History).
ČAKAROV, N. (Pedagogics).
DANOV, HR. (Ancient History).
DIMITROV, D. (Archæology).
GANDEV, HR. (General History).
GANOVSKI, S. (History, Philosophy).
HRISTOV, H. (Bulgarian History).
HRUSANOV, G. (Pedagogics).
ILIEV, A. (Ethics).
JANČEV, R. (Principles of Marxism-Leninism).
KOSEV, D. (Contemporary Bulgarian History).
PIRJOV, G. (Child Psychology; Psychology of Teaching).
TOPENCAROV, V. (New General History).
VLAHOV, T. (Modern History).

Faculty of Letters (f. 1888):
ANDREJČIN, L. (Modern Bulgarian).
BORŠUKOV, G. (History of Bulgarian Press after the Liberation).
CANEV, G. (Bulgarian Literature).
DILEVSKI, N. (Russian Language).
DINEKOV, P. (Bulgarian Literature).
DURIDANOV, T. (Linguistics).
GEORGIEV, E. (Slavonic Literature).
GEORGIEV, VL. (Linguistics).
GEROV, B. (Classical Philology).
KUEV, K. (Slavonic Literature).
LEKOV, I. (Elementary Slavonic Philology).
MINKOV, M. (English Phonetics, Composition, Literature; History of English; Gothic Language).
MIRČEV, K. (Old Bulgarian; Historical Bulgarian Grammar).
OGNJANOV, L. (German Literature).
PECHEV, A. (History of Ancient and West European Literature).
RUSAKIEV, S. (Russian Literature).
STANČEV, ST. (Theory and Practice of the Press).
STOJKOV, ST. (Bulgarian Dialectology; Modern Bulgarian).
TODOROV, CV. (Slavonic Ethnography).
TOMOV, J. (Spanish Philology).
VANKOV, L. (French Language).
VELČEV, V. (History of Russian 19th-Century Literature).
VESELINOV, G. (Bulgarian Literature).
ZAREV, P. (Literary Criticism).

Faculty of Science (f. 1888):
BLIZNAKOV, G. (Mineral Chemistry).
BONEV, N. (Astronomy; Astrophysics).
CENOV, IV. (Higher Mathematics).
DACEV, A. (Physics; Contemporary Theory of Physics).
DIMITROV, C. (Mineralogy and Metallurgy).
DOLAPČIEV, BL. (Analytical Mechanics; Kinetics; Statistics and Dynamics).
DŽAKOV, EM. (Electrology).
HRISTOV, HR. (Electrodynamics and Optics; Mathematical Physics).
ILIEV, L. (Differential Equations; Arithmetic; Advanced Analysis).
IVANOV, D. (Organic Chemistry).
KAIŠEV, R. (Physiochemistry).
KRASTANOV, L. (Dynamic Meteorology).
KURTEV, B. (Chemical Structure of Organic Compounds),
MATEEV, H. (Projective Geometry).
NADŽAKOV, G. (Experimental Physics).
OBREŠKOV, N. (Advanced Algebra; Mathematical Statistics).
PENČEV, N. (Analytical Chemistry).
PETKANČIN, B. (Analytical and Differential Geometry; Principles of Mathematics).
RAJNOV, R. (Meteorology; Geophysics).
RANKOV, G. (Organic Technology).
ŠELUDKO, A. (Colloidal Chemistry).
SIMOV, D. (Organic Chemical Technology).
TAGAMLICKI, J. (Differential and Integral Calculus).
TRIFONOV, IV. (Metallurgy).

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Faculty of Biology, Geology and Geography (f. 1951):
BEŠKOV, A. (Industrial and Economic Geography).
BONČEV, E. (Stratigraphic Geology; Geotectonics; Geology of Bulgaria; Geological Cartography).
CANKOV, V. (Palæontology; Micropalæontology, Biostratigraphy).
DIMITROV, C. (Geology).
DINEV, L. (Economic Geography).
GALABOV, Z. (General Geomorphology; Physical Geography of Bulgaria).
GUNČEV, Z. (Principles of Agriculture).
IVANOV, T. (Geomorphology of Bulgaria).
JORDANOV, D. (Classification and Geology of Plants).
KITANOV, B. (Botany).
KOSTOV, I. (Crystallography).
PENKOV, I. (Economic Geography of Bulgaria).
POPOV, K. (Plant Physiology).

Faculty of Law (f. 1892):
ANDREEV, M. (History of Bulgaria Bulgarian and Law).
ANGELOV, A. (Administrative and Fiscal Law of the Bulgarian People's Republic; Criminology).
ATANASOV, Y. (Political Economy).
GEORGIEV, P. (History of International Relations).
KAMENOV, E. (Political Economy).
KOŽUHAROV, A. (Civil Law of the Bulgarian People's Republic).
KUTIKOV, V. (Public and Private International Law; Constitutional Law of Bourgeois States; Forensic Medicine and Psychiatry).
MEVORAH, N. (Civil Law of the Bulgarian People's Republic).
NENOV, I. (Penal Law of the Bulgarian People's Republic).
PAVLOV, S. (Penal Procedure of the Bulgarian People's Republic).
RADOILSKI, L. (Labour Law of the Bulgarian People's Republic).
SILJANOVSKI, D. (Civil Procedure of the Bulgarian People's Republic).
SPASOV, B. (Constitutional Law of the Bulgarian People's Republic).
STAJNOV, P. (Administrative Law of the Bulgarian People's Republic).
STALEV, Z. (Civil Procedure of the Bulgarian People's Republic).
TORBOV, C. (German Language).
TOTEV, A. (Theory of Statistics; Legal Statistics).
VASILEV, L. (Civil Law of the Bulgarian People's Republic; Law of Co-operatives and Collective Farms).
ZAHARIEV, V. (Theory of the State and Law).

INSTITUTES

INSTITUTE OF AGRICULTURE "GEORGI DIMITROV"

SOFIA, DR. TZANKOV BOUL. 8

Founded as an independent Institute 1953

Rector: Prof. Dr. KIRIL TZOTCHEV BRATANOV.
Vice-Rectors: BONKA IVANOVA KOLCHEVA, CHRISTO ANASTASSON KOEDJIKOV, TRIFON IVANOV GEORGIEV.
Library: *see* Libraries.
Number of teachers: 245.
Number of students: 4,381.
Publication: *Naucni trudove.*

DEANS:
Faculty of Agriculture: Prof. NEDELTCHO NEDELTCHEV.
Faculty of Zootechnics: Prof. Dr. PAVEL PAVLOV.

PROFESSORS:

Faculty of Agriculture:
CHRISTOV, ALEKSANDAR.
POPOV, ATANAS.
LAZAROV, ASSEN.
ILIEV, BORIS.
POPOV, VASSIL.
KOJNOV, VELIN.
GENČEV, GENČO.
VALKOV, DIMITAR.
KOVAČEV, DIMITAR.
LEVENSSON, EVGENI.
STOIČKOV, JORDAN.
KONSTANTINON, LUBEN.
BACHNEV, JULI.
STOEV, KUNJU.
CHRISTOV, MICHAIL.
NEDELČEV, NEDELČO.
KOLEV, NIKOLA.
KIREV, PETKO.
KIRANOV, PROKOPI.
GEORGIEVA, RAINA.
RADUČEV, STEFAN.
TODOROV, TODOR.
STAJKOV, ČVETAN.
VRANSKI, VIKTOR.
GRIGOROV, STOJNE.
BELJASHKI, MLADEN.
SAVOV, CHRISTO.
TSONEV, DRAGOMIR.
DIMITROV, PÉTAR.
MISHEV, VASSIL.
KANDEV, NEDELTCHO.
STANISHEV, NIKOLA.
GROZDANOV, RALI.
FETVADZHIEVA, NADEZDA.
MINKOV, MICHAIL.
KOJEDZHIKOV, CHRISTO.
KOLTCHEVA, BONKA.
GEORGIEV, TRIFON.
MOSKOV, IVAN.
IAZAROV, MATEI.

Faculty of Zootechnics:
EFTIMOV, BORIS.
DIMOV, DIMITAR.
POPOV, IVAN.
GEORGIEV, ISSAJ.
BRATANOV, KIRIL.
PAVLOV, KIRIL.
IVANOV, NIČO.
DIMOV, NIKOLA.
PAVLOV, PAVEL.
RADOMIROV, PETKO.
HADŽIDIMITROV, PETAR.
DIMITROV, PETAR.
IVANOV, PETKO.
PETKOV, PETAR.
KUMANOV, STEFAN.
BALEVSKA, RADA.
RUSSEV, RUSSI.
GEORGIEV, ELENKO.
KOSTOV, STEFAN.
VANTCHEV, TOSKO.
RALTCHEV, GEORGI.
TATAROV, BORIS.
LAZAROV, ENTCHO.
RADEV, GEORGI.
KONSTANTINOV, GEORGI.
JAKIMOVA, JANKA.
VLADIMIROV, IVAN.

INSTITUTE OF AGRICULTURE "VASSIL KOLAROV"

PLOVDIV, RUE BULAIR 14

Founded as an independent Institute 1950

Rector: Prof. Dr. PAVEL POPOV MINDOROVSKY.
Vice-Rectors: Prof. Dr. NIKOLA NESTOROV, Prof. MINCHO KONDEREV, Docent STOYAN DIMITROV.
Number of teachers: 122.
Number of students: 2,624.

DEANS:
Faculty of Agriculture: Prof. KIRIL KIRIAKOV.
Faculty of Horticulture and Viticulture: Docent MARIN DIRIMANOV.

INSTITUTE OF BUILDING ENGINEERING

BOUL. C. SMIRNENSKI 1, SOFIA

Tel. 6-17-71.

Founded as an independent Institute 1953

Rector: Prof. Dr. Ing. VASIL TODOROV STOILOV.
Vice-Rectors: Prof. Arch. ATANAS ALEXANDROV POPOV, Prof. Ing. VASIL TZANKOV PEEVSKY, Prof. Ing. ILIA TZANOV GADJALSKY.
Number of teachers: 280.
Number of students: 4,000.

DEANS:
Faculty of Building Engineering: Doz. Ing. LEVTCHO ANTONOV MANOILOV.
Faculty of Hydrotechnical Engineering: Doz. Ing. IVAN STEFANOV KINAREV.
Faculty of Architecture: Prof. Arch. ATANAS CHRISTOV DELIBASCHEV.

PROFESSORS:

BALUSCHEV, BALUSCH.
BOJANOV, PETER.
BRANKOV, GEORGI.
CHRISTOV, VLADIMIR.
DAMIANOV, ANGEL
DELIBASCHER, ATANAS
GADJALSKY, H.
GRONER, KIRIL
IVANOV, GENO.
KOLEV, BORIS.
KOLEV, STOJAN.
KONDAREV, NIKOLA.
LAZAROV, VLADIMIR.
MARKOVKSY, PETER.
MARTCHINKOV, BORIS.
OBRETENOV, ALEXANDER.
PELVSKY, VASIL
POPOV, ATANAS
POPOV, CHRISTO.
RADOSLAVOV, TODOR.
RAIKOV, ASEN.
STANTCHEV, STAFAN.
STOILOV, VASIL
STOITCHEV, DIMITER.

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STOJANOV, BORISLAW
TABAKOV, VLADIMIR.
TCHOLSKOV, STANTCHO.
TONEV, LUBEN.
TRNKA, LUBEN.
TZOLOV, DIMITER.
USUNOV, NIKOLA.
VARBANOV, CHRISTO P.
VARBANOV, DIMITER
VELEV, DIMO

INSTITUTE OF CHEMICAL TECHNOLOGY

SOFIA, 56 DARVENITZA

Founded as an independent Institute 1953

President: Prof. Dr. K. DIMOV.
Vice-Presidents: Prof. S. GUTZOV, Doc. Dr. K. KAÏSHEV, Doc. D. DIMITROV.

Number of teachers: 230.
Number of students: 5,500.

DEANS:

Faculty of Organic Technology: Doc. J. TCHOLAKOV.
Faculty of Inorganic Technology and Metallurgy: Prof. Dr. B. ZAGORTCHEV.

INSTITUTE OF ECONOMICS AND FINANCE

SVISHTOV

Founded 1938

Rector: Prof. Dr. MINKO RUSSENOV.
Vice-Rectors: Prof. CHRISTO MARINOV, Doc. MARIN PETROV.
Librarian: NIKOLA A. HALACHEV.

The library contains 44,215 volumes.
Number of teachers: 69.
Number of students: 1,850.

DEANS:

Faculty of Finance and Statistics: Prof. LAZAR RALTSCHEV.
Faculty of Book-Keeping: Doc. DIM. SPASSOV.

INSTITUTE OF ECONOMICS "KARL MARX"

SOFIA, RUE RAKOVSKI 114

Founded 1920

Rector: Prof. ANGEL TSCHAUSHEV.
Vice-Rectors: Prof. DIMITER DIMITROV, Prof. TOTYO TOTEV, Doc. PETER AVAMOV.
Librarian: MARIA ALEKSIEVA.

The library contains 70,000 volumes.
Number of teachers: 110, including 18 professors.
Number of students: 4,119.

DEANS:

Faculty of Planning and Statistics: Dotz. NIKOLA VALEV.
Faculty of Transport and Industry: Dotz. NAKO DOINOV.
Faculty of Trade: Dotz. IVAN MATOV.
Faculty of Finance and Book-Keeping: Dotz. PETER AVRAMOV.

INSTITUTE OF ELECTRICAL AND MECHANICAL ENGINEERING

RUE DU 19-FEVRIER 1, SOFIA

Founded as an independent Institute 1953

Rector: Prof. I. N. POPOV.
Vice-Rectors: Doc. P. D. PATARINSKY, Prof. M. G. POPOV, Doc. V. I. DIVISIEV.

Number of teachers: 506.
Number of students: 11,000.

DEANS:

Faculty of Machine Building: Prof. V. M. GEROV.
Faculty of Electrical Engineering: Doc. P. R. PENSHEV.
Faculty of Communication and Transport: Doc. G. P. NICOLTSHEV.

INSTITUTE FOR ELECTRIFICATION AND MECHANISATION OF THE CO-OPERATIVE FARM

ROUSSÉ, RUE ALEITE 3

Founded 1954

Rector: Doz. Dipl. Ing. EMIL DANKOW.
Vice-Rector: Prof. Dipl. Ing. MARKO TODOROV.

INSTITUTE FOR FOOD INDUSTRY

PLOVDIV, RUE ASSÉNE 24

Founded as an independent Institute 1953

Rector: DIMITAR ATANASSOV.
Vice-Rectors: Prof. IVAN GEORGIEV, PENU PENEV.

Number of teachers: 55.
Number of students: 780.

INSTITUTE OF FORESTRY

SOFIA, DARVENITZA

Founded as an independent Institute 1953

Rector: Prof. Dr. ASEN BIOLCHEV.

Number of teachers: 78.

PROFESSORS:

BIOLCHEV, A.
DUHOVNIKOV, JU.
DAKOV, M.
HRISTOV, ST.
PENEV, N.
PETKOV, P.
RUSKOV, M.
SLAVOMIROV, K.
STEFANOV, D.
TCHERNAEV, P.
VENEDIKOV, M.
ZAHARIEV, B.

HIGHER INSTITUTE OF MEDICINE

PLOVDIV

Founded 1948

HIGHER INSTITUTE OF MEDICINE

BUL. G. SOFIISKY 1, SOFIA 31

Faculties of Medicine, Stomatology and Pharmacy.

INSTITUTE OF MINING AND GEOLOGY

SOFIA, DARVENITSA

Telephone: 6-22-14

Founded 1953

Rector: Prof. HARALAMPI POPYORDANOV.
Vice-Rectors: Prof. GEORG STEFANOFF, Prof. BORIS STRASHIMIROV, Prof. PETKO MONEV.
Librarian: PAVLINA ARMENKOVA.

Number of teachers: 166.
Number of students: 1,978.

DEANS:

Faculty of Mining: Prof. ADOLF FABRIKANT.
Faculty of Geology: Prof. SIMEON STOYNOV.

INSTITUTE OF NATIONAL ECONOMY "DIMITR BLAGOEV"

VARNA, BOUL. "LENIN" 77

Founded 1921

Rector: Dr. LUMOBMIR SJANEV.
Vice-Rectors: GANTSHO RADEV, VASSIL RANKOV.
Librarian: IVAN MOOTAFOV.

The library contains 90,000 vols.
Number of teachers: 86.
Number of students: 2,418.

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DEANS:
Faculty of Accountancy: MARKO VALKANOV.
Faculty of Commerce: STEFAN TZONEV.

PROFESSORS:
BOJCHEV, BOJCHO (Accounting).
GANCHEV, NIKOLA (Chemistry).
GANEV, DIMITR (Economic Geography).
GEORGIEV, GEORGE (Economics of Trade).
KARKLISSIISKY, NIKOLA (Economics of Industry).
RANKOV, VASSIL (Economic Planning).
VALKANOV, MARKO (Economics).
VELIKOV, BORIS (Science of Commodities).

HIGHER INSTITUTE OF PHYSICAL CULTURE "G. DIMITRIV"

RUE TINA KIRKOVA 1

Founded 1942

Rector: Prof. ASSEN GHESHEV.
Vice-Rectors: Prof. PETCE SHTEREV, Prof. Dr. KRASTIC KRASTEV, Prof. VENCESLAV ANGELEV.

Number of teachers: 151.
Number of students: 881 full-time, 815 correspondence.

INSTITUTE OF VETERINARY SCIENCE

SOFIA, 55 LENIN BOUL.

Founded 1923

Rector: METOD PETRICHEV.

Number of teachers: 87.

SCHOOLS OF ART AND MUSIC

BULGARIAN STATE CONSERVATOIRE

SOFIA, 1 BUDAPESTA

First founded 1904; reorganised as a Conservatoire 1954.
Rector: VESSÉLINE STOYANOV.
Vice-Rector: ALEXANDRE NEINSKI.

The library contains 15,167 volumes.
Number of professors: 27.
Number of students: 512.

DEANS:
Faculty of Musical Theory and Composition: D. ROUSKOV.
Faculty of Instrumentation: LEON SOUZOUJON.
Faculty of Vocal Performance: ILYA IOSIFOV.

INSTITUTE OF ART "NICOLAE PAVLOVICH"

SOFIA, RUE SIPKA 1

First founded 1896; reorganised as an Institute 1954
Rector: PANAIOT PANAIOTOV.
Vice-Rector: DRAGAN LOZENSKI.

Number of professors: 9.
Number of lecturers: 8.

DEANS:
Faculty of Fine Arts: ILIYA PETROV.
Faculty of Applied Arts: STOYAN RAINOV.

INSTITUTE OF DRAMATIC ART "KRESTJU SARAFOV"

SOFIA, RUE RAKOVSKI 108

Founded 1948

Rector: Asst. Prof. MANDADZIEV.
Registrar: V. BODZILOV.
Librarian: B. TCHILINGIROVA.

There are Departments of Acting, Stage Production and History of Art.

Number of teachers: 66.
Number of students: 258.

STATE BALLET SCHOOL

SOFIA, SLAVEIKOV 3

Founded 1951.

Director: EVTIM BACHEV.
Artistic Director: NEDELCHO IZOV.
Secretary: IVANKA MARKOVA.

The library contains 344 volumes and 211 music scores.
Number of teachers: 46.
Number of students: 156.

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BURMA

Population 21,000,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Archæological Department: Ministry of Union Culture, Rangoon; revived in 1946; responsible for the maintenance of ancient monuments, epigraphical research, exploration and excavation of historical sites.

British Council, The: 67/69 Lewis Street, Rangoon; library of 21,000 vols., 429 periodicals; Rep. W. R. McALPINE.

Burma Council of World Affairs: Rangoon; objects: to promote the study of Burmese and international questions so as to develop a body of informed opinion on world affairs and Burma's position in the international scene; organises discussions, lectures, etc.; functions as the U.N. Association for Burma and is affiliated to the World Federation of U.N. Associations; Patron The PRIME MINISTER; Pres. U RASCHID; Vice-Pres. Oo THEIN and Mr. DINARATH.

Burma Law Institute: Rangoon; research in Burmese Law; library.

Burma Research Society: c/o University Library, University Estate, Rangoon; f. 1910 for the study of the history, ethnology and languages of Burma; 568 mems.; 360 vols.; Pres. U CHIT THOUNG; Hon. Sec. U AYE HLAING; publ. *Journal* (twice yearly).

Department of Ancient Literature and Culture: Ministry of Union Culture, Rangoon; its work includes: compilation of bibliography of Burmese books; collection, classification and preservation of published and unpublished literary works; editing of classical works for publication.

Economics Research Centre: Faculty of Social Sciences, University of Rangoon, Rangoon; conducts research into various economic aspects of the Burmese economy.

Goethe Institut: 104 University Avenue, Rangoon; Dir. Dr. GEORG LECHNER.

Harcourt-Butler Institute Laboratory: Rangoon; principal agency in Burma conducting research on human nutrition.

Institute of Public Administration and Management: 227-229 Boh Aung Gyaw Street, Rangoon; provides training for civil servants; library.

International Institute of Advanced Buddhistic Studies: Rangoon; a government-supported centre for research and study in Buddhism and other major religions.

Music and Musical Research Section: Ministry of Union Culture, Rangoon; standardises, notates and publishes classical songs; studies and records ancient styles of singing.

Sarpay Beikman Institute (formerly *Burma Translation Society*): 529-531 Merchant Street, and 361 Prome Road, Rangoon; f. 1947; objects: to produce, translate, publish and distribute Burmese and foreign books, thereby fostering the cultural development of Burma and encouraging research in Burmese literature and fine arts; library of 34,082 vols. (15,797 Burmese, 15,797 English); Chair. U. NU; Hon. Man. Sec. WUNNA KYAW HTIN U SAN HTWAR, B.A., D.T., B.L.

Union of Burma Applied Research Institute: Kanbe, Rangoon; composed of the Analysis Dept., Metallurgy and Applied Geology Research Dept., Physics and Engineering Research Dept., Technical Information Centre, Instruments Dept., Applied Chemistry Research Dept., Ceramics Research Dept., Standards and Specifications Dept., Cellulose Research Dept., Atomic Minerals Dept., Pharmaceutical and Fine Chemicals Dept., Food Technology Dept. and the Union of Burma Atomic Energy Centre; Dir.-Gen. Dr. FREDDY BA HLI.

United States Information Centers:
Mandalay: 26 B. Road.
Moulmein: Sutherland Road, Victoria Park.
Rangoon: 10 Shafraz Road.

LIBRARIES AND MUSEUMS

Bernard Free Library: Rangoon.

Boyoke Aung San Museum: Rangoon; f. 1960.

British Council Library: Rangoon.

Independence Museum: Rangoon; f. 1961.

International Institute of Advanced Buddhistic Studies Library: Rangoon; 5,823 vols. in English, 2,736 vols. in Burmese, 3,459 periodicals; rare books and MSS. Division, including Pali; MSS. number 6,609; Librarian U TIN OO.

Mon Library and Museum: Moulmein; f. 1955; collection of English and Burmese books and palm leaf MMS.; also a few Mon books; varied exhibits.

Municipal Public Library: Moulmein.

National Library, Museum and Art Gallery: Temporary address: Jubilee Hall, Pagoda Road, Rangoon; f. 1952.
National Library: 11,547 books, 11,905 pamphlets, periodicals, newspapers, prints, illustrations and publications of other government and international organisations.
National Museum: works of art, exhibits of historical and ethnographical interest.
Art Gallery: collection being assembled; frequent exhibitions. Each of these institutions will eventually be housed in a new building of its own.

State Library and Museum: Kyaukpyu; the library contains 2,358 books in Burmese and 2,722 in English; the museum contains silver coins, costumes, etc.

University of Mandalay Library: Mandalay; 45,000 vols.

University of Rangoon Library: University Estate, Rangoon; f. 1929, reorganised 1954; a total of 80,000 vols. in University and Departmental libraries; Librarian WUNNA-KYAW-HTIN U THEIN HAN, M.A., D.L.T.

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UNIVERSITIES AND COLLEGES

UNIVERSITY OF MANDALAY

MANDALAY

Founded 1958

(Formerly University College, Rangoon University; incorporating Judson College, the Medical College, the Agricultural College and Teachers' Training College.)

Chancellor: The Hon. Thado Thiri Thudhamma Dr. U THEIN MAUNG, M.A., LL.B. (Cantab.), BAR.-AT-LAW (Lincoln's Inn), LL.D. (Rangoon).

Vice-Chancellor: U KO LAY, M.SC. (London), A.I.C., D.I.C.

Museum: Exhibits of Burmese art and culture.

Number of students (1961-62): 3,329.

Faculties of Arts, Science, Medicine and Agriculture; Law from 1962.

UNIVERSITY OF RANGOON

UNIVERSITY ESTATE, RANGOON
Telephone: Auto 31144

Founded 1920

Chancellor: The Hon. Prime Minister.

Vice-Chancellor: Dr. HTIN AUNG.

Rector: Dr. THA HLA.

Registrars: U MG MG SEIN (Administration), U BA THAN (Academic).

Librarian: U THEIN HAN.

Number of teachers: 887.
Number of students: 13,620.
Publication: *Calendar.*

DEANS:

Faculty of Education: U BA BWA.
Faculty of Engineering: Dr. MG MG KHA.
Faculty of Forestry: U KYI.
Faculty of Law: Dr. U MYINT.
Faculty of Medicine: Dr. U MG GALE.

The Faculties of Arts and Science and Social Science are under the direct control of the Rector.

PROFESSORS:

AYE, Dr. U (Clinical Medicine).
AYE, U TIN (Head of Translations and Publications).
BWA, U BA (Education).
HAN, U MYA (Civil Engineering).
HLAING, U Aye (Economics).
HTUN, Dr. H ZAW (Anatomy).
KAR, K. N. (Philosophy).
KHA, Dr. MG MG (Physics).
KHIN, U AUNG (Chemistry).
KYI, Dr. DAW THIN (Geography).
KYI, U (Forestry).
LAY, Dr. Ko Ko (Botany).
LYNSDALE, Dr. J. (Zoology).
MG, Dr. KYI (Clinical Surgery).
MIN, U MYO (English).
MYINT, U (Law).
NYI, Dr. NYI (Geology).
NYO, U KHIN (Military Science).
NYUNT, U BA (Western History and Political Science).
PAW, Dr. KYEE (Surgery).
PAW, WILLIAM (Commerce).
PEACOCK, B. A. V. (Anthropology).
SI, Dr. KHIN (Obstretrics and Gynaecology).
SUNDRUM, Dr. R. M. (Statistics).
THET, Dr. KYAW (Burmese History).
THWIN, Dr. HLA (Psychology).
TOKE, U BA (Mathematics).
TU, Dr. MYA (Physiology).
WIN, Dr. KHIN MG (Pathology).
WUN, U (Burmese).
ZAN, Dr. SHWE (Medicine).

AFFILIATED COLLEGES:

Defence Services Academy (*Degree College*): Maymyo.
Director: Col. KHIN NYO.
Number of students: 134.

Intermediate College: Basseir.
Principal: U KHIN NYUNT.
Number of students: 301.

Intermediate College: Kyaupyu.
Principal: U KYAW KHIN.
Number of students: 109.

Intermediate College: Moulmein.
Principal: U TOE AUNG.
Number of students: 759.

Veterinary College (*Degree College*).
Head: U PO THA SHINN.
Number of students: 39.

INSTITUTE FOR ADULT EDUCATION

PAZUNDAUNG MUNICIPAL SCHOOL BUILDING
BOTATAUNG PAGODA ROAD, P.O., RANGOON

Founded 1947

Chairman of Governing Body: Shwepaukpin U BA THANE,
Principal and Registrar: U SAN SHWE, M.A. (Cantab.), F.R.G.S.
Assistant Registrar: DAWSEIN LAT.

Number of teachers: 85 (5 professors).
Number of students: 1,500.

Provides university education for adult workers, leading to the examinations and degrees of Rangoon University.

PROFESSORS:

U SAN SHWE (English).
Dr. Po E., PH.D.(LOND), F.R.MET. SOC. (Science).
SAW MCCARTHY-GYAW, M.A.(Oklahoma) (Mathematics).
U SEIN WIN, M.A., F.R.S.A. (Burmese).
U MYA SEIN, M.A., B.L. (Pali).

STATE AGRICULTURAL INSTITUTE

PYINMANA

Two-year courses for about 125 students in agricultural teaching and extension work.

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GOVERNMENT TECHNICAL INSTITUTE
MANDALAY

Number of students: 160.

Electrical, Mechanical and Civil Engineering.

GOVERNMENT TECHNICAL INSTITUTE
INSEIN

Number of students: 550.

Electrical, Mechanical, Civil and Mining Engineering.

COLLEGE OF TECHNOLOGY
RANGOON

Civil, Mechanical and Electrical Engineering.

BURMA INSTITUTE OF TECHNOLOGY
RANGOON

Founded 1961

The Institute has been built up with Russian aid and the loan of 10 professors and lecturers.

COLLEGES OF ART AND MUSIC

STATE SCHOOL OF FINE ARTS
RANGOON

Founded 1952

The School is under the direct control of the Ministry of Union Culture.

Courses, which are usually for two years, can be taken in Drawing, Commercial Art, Sculpture and Fine Art, Advanced courses can be followed in a third year.

STATE SCHOOL OF MUSIC AND DRAMA
RANGOON

Founded 1952

The School is under the direct control of the Ministry of Union Culture.

Courses, normally lasting two years, can be taken in Burmese Harp, Piano and Xylophone, Burmese Dancing (Male and Female), Singing of Burmese Classical Songs, String Instruments, Universal Music Notes, Burmese Verse, the Oboe and Orchestral Music.

STATE SCHOOL OF FINE ARTS, MUSIC AND DRAMA
MANDALAY

Founded 1953

Principal: U SEIN NYUNT, W.K.H.

Department of Fine Arts: 2- and 3-year courses.

Instructors: U KAN NYUNT (Drawing), U AYE KYAW (Commercial Art), U CHIT MYE (Fine Art), U KYAW NYEIN (Sculpture).

Department of Music and Drama: 2- and 3-year courses.

Instructors: U MYINT THEIN, A.K.S. (Xylophone), DAW KHIN MAY (Burmese Harp), DAW THAUNG, W.K.H. and U MYA THWIN (Dancing), U BA CHIT (Burmese Orchestra), U HTOO and DAW HLA LAY SEIN (Singing), U CHIT HTWAY (String Instruments), U ON MAUNG (Piano), U KYAW DIN (Music Notes), U MYA THAUNG (Oboe).

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BURUNDI

Population 2,234,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institut des Sciences Agronomiques du Burundi (ISABU): B.P. 795, Usumbura; also at Kalina, Léopoldville, Republic of the Congo.

Medical Laboratory: Usumbura; devoted to clinical analyses and physio-pathological research; nutritional studies.

Service Météorologique d'Usumbura: Usumbura; Dir. M. H. Arend.

LIBRARIES

Library of the University College: Usumbura; f. 1961; 8,000 vols.; Librarian F. Leroy.

U.S. Information Service Library: Usumbura.

MUSEUM

Musée du Pays du Burundi: Kitega.

UNIVERSITY COLLEGE

CENTRE UNIVERSITAIRE RUMURI

B.P. 825, USUMBURA

Telephone: 2340

Founded 1960

Chancellor: Rev. F. V. Mertens.
Rector: W. Derouau.
Registrar: A. Verbrugghe.
Librarian: F. Leroy.

Number of teachers: 28.
Number of students: 65.

Deans:

Faculty of Philosophy and Letters: Ch. Dereine.
Faculty of Economic and Social Sciences: R. Rousseaux.
Faculty of Sciences: F. Debot.

Professors and Chargés de Cours:

Barakana, G. (Religious Sciences).
Brys, A. (Business).
Coupex, A. (African Linguistics and Literature).
Debot, F. (Physics).
De Clerck, L. (Common Law).
Decleve, H. (Philosophy).
Dehousse, M. (Mathematics).
Denis, J. (Geography).
d'Hertefelt, M. (African History and Civilisation).
Delvaux, A. (Chemistry).
Dereine, Ch. (History).
Derouau, W. (Classics).
Deuse, P. (Botany).
Ganshof, L. (Commercial Law).
Godeaux, J. (Zoology).
Leroy, F. (Classics).
Rousseaux, R. (Economics).
Van de Vyver, A. (Civil Law).
Verbrugghe, A. (Roman Law).

INSTITUTES

Professional School: Usumbura; f. 1949; training apprentices, craftsmen and professional workers; four workshops; mechanics, masonry, carpentry, electrical assembling; 370 students.

Institut des Arts, Commerce et Métiers: Usumbura; evening courses in bookeeping, stenography, English, French, music.

Centre Social et Educatif d'Usumbura: Usumbura; f. 1957; courses in bookeeping, photography, electricity; 150 students.

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CAMBODIA

Population 5,937,000

LEARNED SOCIETIES

Alliance Française: Phnom-Penh; Sec.-Gen. A. Rouk.

Association des Amis du Lycée Bouddhique Preah Suramarith (*Samakum mitt buddhika vidyalay Preah Suramarith*): Wat Langka, Phnom-Penh; f. 1961; to encourage and develop the study of Pali and Cambodian.

Assocation des Bouddhistes du Cambodge (*Buddhika samakum Kampuchea ratth*): Phnom-Penh; f. 1952; affiliated to the World Buddhist Association; publ. *La Lumière Bouddhique*.

Association des Ecrivains Khmers: Phnom-Penh; f. 1962; for the encouragement of writers and the development of literature in the Khmère language; Pres. M. Hell Sumpha.

Institut Bouddhique: Phnom-Penh; f. 1930; Buddhist studies and the Khmère culture; publs. *Dictionnaire Cambodgien* and numerous bulletins.

LIBRARIES

American Library: Phnom-Penh; attached to the U.S. Embassy.

Bibliothèque de l'Institut Bouddhique: Phnom-Penh; books and MSS. in French, English, Thai, Burmese, Singhalese, Chinese, Tibetan, etc.; also documents in Cambodian and Pali on Buddhism and Cambodian folklore; 30,000 vols.

Bibliothèque du Centre Culturel de l'Alliance Française: Phnom-Penh.

Bibliothèque du Centre Royal de Documentation et d'Edition: Phnom-Penh.

Bibliothèque Nationale: Phnom-Penh; 31,000 vols., periodicals, national deposit library; Dir. Kim Khouan.

Bibliothèque, Royale: Phnom-Penh.

Bibliothèque du Ministère de l'Information: Phnom-Penh.

Faculty of Law Library: Phnom-Penh.

Faculty of Medicine Library: Phnom-Penh.

Faculty of Letters Library: Phnom-Penh.

MUSEUMS

Exposition Permanente des Realisations du Sangkum Reastr Niyum: Phnom-Penh.

Musée de l'Armée: Phnom-Penh.

Musée de l'Institut Bouddhique: Phnom-Penh.

Musée du Palais Royal: Phnom-Penh.

Musée National: Phnom-Penh; the collection contains many specimens of the art of the ancient Khmère civilisation, items relating to the Cambodian royal dynasties, and ethnographical and ceramics sections. The archæological department includes bronzes, sculptures and steles. Stone sculpture of the 6th to the 14th centuries and wood sculpture of the 12th to the 18th centuries is represented. Two galleries are devoted to Buddhist art.

UNIVERSITIES

BUDDHIST UNIVERSITY
(Lycée bouddhique Preah Suramarit)

PHNOM-PENH

Founded 1955

Rector: Chau Seng.

UNIVERSITÉ ROYALE KHMÈRE

PHNOM-PENH

Founded 1960

Faculty of Law: f. 1957 by the transformation of the Institut National d'Etudes Juridiques, Politiques et Economiques; professors of the History of Law, Private Law, Public Law, Political Economy.
Dean: Prof. Gour.
Number of students: 409.

Faculty of Medicine: f. 1953 by the transformation of the Ecole des Officiers de Santé; trains Doctors of Medicine, Doctors of Pharmacy, Dentists, and Health Officers.
Number of students: 313.

Faculty of Sciences: f. 1959; formed in two sections:
Section "Lettres": classical literature, modern languages, philosophy, linguistics, history, geography, art and archæology.
Section "Sciences Humaines" (in course of organisation): psychology, sociology, moral sciences and human sciences.
Number of students: 85.

COLLEGES AND INSTITUTES

Ecole Royale d'Administration: Phnom-Penh; f. 1956; 2-year courses in business administration, diplomacy and public service.
Director: Tim Kenn.
Director of Studies: François Perret.
Number of teachers: 28.
Number of students: 200–250.

Ecole Nationale d'Agriculture, d'Elevage et de Sylviculture: Phnom-Penh; f. 1949; Dir. Prum Tep Savang.

Ecole Nationale des Travaux Publics, du Bâtiment et des Mines: f. 1961; 4-year courses for engineers, public works consultants, etc.

Ecole Nationale des Arts et Métiers: Phnom-Penh.

Ecole Technique Supérieure: Phnom-Penh; f. 1962; 5 faculties; to be completed in 1964.

Ecole Nationale du Commerce: Phnom-Penh; f. 1958.

TECHNICAL COLLEGES AND SCHOOLS OF ART AND MUSIC

Collège Technique: Kompong-Cham.

Collège Technique: Battambang; f. 1963.

Ecole d'Agriculture de Prek Leap: to train technicians in agriculture.

Ecole Nationale des Arts: Phnom-Penh; f. 1959.

Ecole Nationale de Théatre: Phnom-Penh.

Ecole Nationale de Musique: Phnom-Penh.

Ecole Nationale de Sculpture: Pursat.

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CAMEROUN

Population 4,106,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centre Culturel Français: Yaoundé.

Goethe Institut: B. P. 1067, Yaoundé; Dir. Dr. FELIX T. SCHNITZLER.

Institut d'Hygiene: Douala.

Institut de Recherches du Coton et des Textiles Exotiques: Maroua; cotton research station.

Institut de Recherches Scientifiques (IRCAM): B.P. 193, Yaoundé; Pedology, Human sciences, Hydrology, Nutrition and Medical Entomology; work-rooms, library, three laboratories; Dir. M. R. DIZIAIN.

Institut de Recherches pour les Huiles Oléagineuses (IRHO): Douala.

Institut Français de Recherches Fruitières: Nyombé; research station.

Institut Pasteur: Yaoundé.

Service Géographique du Cameroun: Yaoundé, avenue Mgr.-Vogt, B.P. 157; Dir. Y. TUAL.

UNESCO Centre for Producing Textbooks: Yaoundé; f. 1962; set up under the African Emergency Programme; to provide printing equipment, printing supplies, expert editorial and technical staff; the textbooks will meet all educational levels.

U.S. Information Center: Yaoundé.

LIBRARIES

Bibliothèque de l'Institut de Recherches Scientifiques: Douala; medical books and scientific documentation.

Central Library: Yaoundé; 9,700 vols. administers 11 'bush' libraries 50-100 vols. each.

UNIVERSITY

UNIVERSITÉ FÉDÉRALE

YAOUNDÉ

Founded 1962

Work on the University was started at the end of 1962. There are at present three faculties: Law, Letters, and Science. In addition there are the following colleges:

Ecole Normale Supérieure: Yaoundé; teacher training for secondary schools and for training inspectors for elementary schools; it also undertakes pedagogic research.

Ecole Nationale d'Agriculture: Yaoundé.

Ecole d'Administration: Yaoundé; f. 1959 ;from one to three years courses in administration for public service officials.

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CANADA

Population 18,767,000

ROYAL SOCIETY OF CANADA

NATIONAL RESEARCH BUILDING, OTTAWA
Telephone: CEN. 28211, 23468
Founded 1882

Hon. Patron: HIS EXCELLENCY the GOVERNOR-GENERAL.
President: MAURICE LEBEL, M.A., L. ès L., PH.D., D.LITT.
First Vice-President: LEO MARION, M.B.E., M.SC., PH.D., D.SC., D. ès SC.
Second Vice-President: A. S. P. WOODHOUSE, A.M., D.LITT. LL.D.
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Associate Hon. Secretary: LÉON LORTIE, B.A., L. ès SC., D. ès SC.
Hon. Treasurer: J. W. HOPKINS, M.SC., PH.D.
Associate Hon. Treasurer: A. E. DOUGLAS, M.A., PH.D.
Hon. Editor: G. W. BROWN, M.A., PH.D., LL.D.
Hon. Librarian: W. KAYE LAMB, M.A., PH.D., LL.D.

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The Rt. Hon. VINCENT MASSEY, C.H., M.A., D.C.L., LL.D.
Gen. the Hon. A. G. L. MCNAUGHTON, P.C., C.H., C.B., C.M.G., D.S.O., M.SC., D.C.L., LL.D.
The Rt. Hon. L. S. ST. LAURENT, P.C., Q.C., LL.D.
The Rt. Hon. JOHN G. DIEFENBAKER, P.C., Q.C., LL.D.

UNATTACHED FELLOWS

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MORGAN, A. E., M.A., LL.D.
VANDRY, Mgr. F., C.M.G., P.A., D.TH., PH.D.

FELLOWS

Section I—Humanities and Social Sciences (French):

ARÈS, RICHARD, S.J., M.A., L.SC.SOC., PH.D., D.SC.SOC., D.U.P.
AUDET, LOUIS-PHILIPPE, B.Péd., L.ès Sc., D. Ped.
BAILLARGEON, PIERRE.
BAUDOUIN, L. M., Docteur droit ès-Sciences Juridiques et ès-Sciences Politiques.
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BÉRAUD, JEAN, B.A.
BERNARD, HARRY, B.A., L. ès L., D. ès L.
BOISSONNAULT, CHARLES-MARIE.
BONENFANT, JEAN-CHARLES, B.A., LL.L.
BROUILLETTE, BENOIT B.A., L.SC., D.U.P., D. ès L.
BRUCHÉSI, JEAN, LL.L., D.SC.POL., D.LITT., D. ès L.
CARBOTTE, Mme GABRIELLE ROY.
CHABOT, Mlle CECILE.
DAGENAIS, DER PIERRE.
DAVIAULT, PIERRE.
DÉCARIE, VIANNEY, B.A., L.PHIL., PH.D., D. ès L.
DE KONINCK, CHARLES, PH.D.
DION, M. l'Abbe GÉRARD.
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DUBÉ, MARCEL, B.A.
DUFRESNE, JEAN (MARCEL VALOIS).
DUHAMEL, ROGER, LL.L.
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FARIBAULT, MARCEL, LL.L., LL.D., D.C.L.
FILIATRAULT, JEAN.
FILION, GÉRARD, B.A., L.SC.COM.
GAUTHIER, ROBERT, B.PH., L.PH., B.PAED., D.PAED.
GAUVREAU, JEAN-MARIE, D.SC.SOC.
GÉLINAS, GRATIEN, D. ès L.
GIROUX, ANDRÉ.
GOUIN, Hon. LÉON-MERCIER, B.A., LL.L., LL.D., C.R., D.SC.POL.
GOUIN, PAUL E., LL.L., D. ès L.
GRIGNON, CLAUDE-HENRI.
GUEVREMONT, Mme GERMAINE.
HAMELIN, LOUIS-EDMOND, B.A., M.A., D.GEO.
HÉBERT, Mlle. ANNE.
LACOURCIÈRE, LUC, B.A., L.es L.
LAMONTAGNE, LÉOPOLD, B.A., L. ès L., PH.D., D.U.P.
LAMONTAGNE, MAURICE, L.SC.SOC., M.A.
LAURENCE, JEAN-MARIE, B.A.
LAURENDEAU, ANDRÉ.
LEBEL, MAURICE, M.A., L. ès L., D.LITT., PH.D.
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LORRAIN, LÉON, D.SC.COM.
LORTIE, LÉON, B.A., L. ès SC., D. ès SC.
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MARCHAND, CLÉMENT, B.A.
MARION, SÉRAPHIN, M.A., D. ès L., D.U.P.
MAURAULT, Mgr. OLIVIER, C.M.G., P.D., LL.D., P.SS., D. ès L., D.C.L., P.A.
MELANÇON, CLAUDE, D. ès SC.
MORISSET, GÉRARD, B.A., LL.L.
OLLIVIER, MAURICE, B.A., LL.D., C.R.
PARIZEAU, GÉRARD, L.S.C., F.I.I.C.
PLOUFFE, ADRIEN, M.D., D.P.H., A.A.A.S.
REGIS, Le R. P. LOUISE-MARIE, O.P., PH.D.
ROY, ANTOINE, D. ès L.
SIMARD, JEAN.
SYLVAIN, FRÈRE ROBERT, é C.
SYLVESTRE, GUY, M.A., L.PH.
TANGHE, RAYMOND, L.SC.SOC., D.SC.SOC.
THÉRIAULT, YVES.
TREMBLAY, ARTHUR, B.A., M.SC.SOC.
VINAY, J.-P., B.A., M.A., L. ès L.
VINETTE, ROLAND, B.A.

Section II—Humanities and Social Sciences (English):

ANDERSON, F. H., M.A., PH.D.
ANGUS, HENRY FORBES, M.A., B.C.L., LL.D.
BAGNANI, GILBERT F., D.LITT.
BAILEY, A. G., M.A., PH.D.
BAYLEY, C. C., M.A., PH.D.
BIRNEY, A. E., M.A., PH.D.
BISSELL, C. T., M.A., PH.D.
BLADEN, V. W., M.A.
BOESCHENSTEIN, HERMANN, PH.D.
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OUELLET, CYRIAS, B.SC., D.SC.
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PANISSET, M. G., B.A.(Paris), D.V. (Paris), D.V.M.
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ADAMSON, GORDON S. (Architect).
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COMFORT, CHARLES F. (Painter).
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MACDONALD, T. R. (Painter).
MARANI, A. S. (Architect).
MATHERS, A. S. (Architect).
MILLER, H. MCR. (Sculptor).
NEWTON, LILIAS T. (Painter).
PEPPER, G. D. (Painter).
PILOT, ROBERT W., M.B.E., N.A. (Painter).
ROBERTS, GOODRIDGE (Painter).
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WATSON, S. H. (Designer).
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WILSON, R. YORK (Painter).
WINTER, WILLIAM (Painter).
WOOD, ELIZABETH WYN (Sculptor).

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MORRIS, R. S. (Architect).

NON-RESIDENT ACADEMICIAN

ROYLE, STANLEY (Hitcham, Eng.—Architect).

LEARNED SOCIETIES

ANTIQUARIANISM

Antiquarian and Numismatic Society of Montreal: Château de Ramezay, Montreal; f. 1862; 200 mems.; Pres. DONALD F. ANGUS; Recording Sec. J. D. KING; publ. *Canadian Antiquarian and Numismatic Journal of Montreal.*

ARCHITECTURE

Alberta Association of Architects, The: 312 Northern Hardware Building, Edmonton; f. 1906; 156 mems.; Hon. Sec. D. G. FORBES.

Architect's Association of New Brunswick: 13 Germain Street, St. John, N.B.; Sec. Treas. J. R. MYLES.

Architectural Institute of British Columbia: 106-1425 West Pender Street, Vancouver 5, B.C.; f. 1914; 255 mems.; Exec. Dir. WARNETT KENNEDY; Exec. Sec. R. S. DEACON.

Manitoba Association of Architects: 966 Dorchester Avenue, Winnipeg 9; f. 1906; Sec. Mrs. D. CHEVRIER.

Newfoundland Association of Architects: 30 Waterford Bridge Road. P.O. Box 5204E, St. John; Hon. Sec.-Treas. F. NOSEWORTHY, M.R.A.I.C.; 16 mems.

Nova Scotia Association of Architects: inc. 1932; 56 mems.; Hon. Sec. F. CARL FORD, P.O. 173, Halifax, N.S.

Ontario Association of Architects: 50 Park Road, Toronto 5; f. 1890; 925 mems.; Sec. JOHN D. MILLER.

Province of Quebec Association of Architects: 1825 Dorchester Street West, Montreal; f. 1890; 720 mems.; Ex. Sec. JACQUES TISSEUR; publ. *Register.*

Royal Architectural Institute of Canada: Exec. Offices: 88 Metcalfe Street, Ottawa; f. 1907; 2,000 mems.; Exec. Dir. ROBBINS ELLIOTT; Sec. MAURICE HOLDHAM; publ. *Journal* (monthly).

Saskatchewan Association of Architects: 2426 Hanover Avenue, Saskatoon, Sask.; Pres. JOSEPH PETTICK; Hon. Sec.-Treas. G. R. FORRESTER.

ART

Alberta Society of Artists: 2208 Amherst Street, Calgary; f. 1931; 75 mems.; Pres. J. S. PERROTT; Sec.-Treas. M. STAPLES; publ. *Highlights* (annual).

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Art, Historical and Scientific Association: City Museum and Art Gallery, Vancouver; f. 1894; 200 mems.; Pres. ALFRED D. LONG; Sec. T. H. AINSWORTH, F.R.S.A., F.R.A.I.

Canadian Arts Council: Sec. Miss LOUISE BARETTE, 3936 Parc Lafontaine, Montreal.

Canadian Society of Graphic Art: Sec. JOY BAIN, 182 Madison Avenue, Toronto.

Canadian Society of Painters, Etchers and Engravers: 18 Grenville Street, Toronto; f. 1916; 60 mems.

Canadian Society of Painters in Water Colour: 119 Glen Road, Toronto; f. 1925; 38 mems.; Sec. Mrs. MIRIAM SQUIRES.

Contemporary Art Society: 60 St. James's Street West, Montreal; f. 1939; 85 mems.; Sec. ALLAN HARRISON.

Federation of Canadian Artists: 62 Rosehill Avenue, Toronto 5; f. 1941; 1,000 mems.; Sec. H. G. KETTLE.

Maritime Art Association: f. 1935; Pres. LIONEL STRONG MONCTON, N.B.; Sec. Mrs. C. S. FREDERICTON, N.B.

Ontario Society of Artists: 407 Birchmount Road, Scarborough, Ont.; f. 1872; 78 mems.; Pres. D. MACKAY HOUSTOUN, A.R.C.A.; Sec. ROY AUSTIN.

Sculptors' Society of Canada: 59 Brenville Street, Toronto; f. 1932; Sec. SHEILA WHERRY.

ASTRONOMY

Royal Astronomical Society of Canada: 252 College Street; Toronto; f. 1890 as the Astronomical and Physical Society of Toronto, assuming its present name in 1903 with the grant of a Royal Charter; 16 active centres; 2,000 mems.; Nat. Sec. J. E. KENNEDY; publs. *Journal* (bi-monthly), *Observer's Handbook* (annual, December).

CHEMISTRY

Chemical Institute of Canada: 48 Rideau Street, Ottawa; 32 local stations and 10 subject divisions and 32 student chapters; 6,700 mems.; Gen. Man. and Sec. T. H. G. MICHAEL, F.C.I.C.; official publs. *Chemistry in Canada* (monthly), *The Canadian Journal of Chemical Engineering* (bi-monthly).

Society of Chemical Industry (Canadian Section): f. 1902, 255 mems.; Sec. D. M. MATHESON, 2240 Sun Life Building, Montreal.

EDUCATION

Association Acadienne d'Education: Pres. Dr. JOFFRE DAIGLE, Dalhousie, N.B.; Sec. M. LUCIEN BOUDREAU, CARAQUET.

Canada Council for the Encouragement of the Arts, Humanities and Social Sciences: Ottawa; f. 1957; the aim of the council is to assist Canadian Universities in their building programmes, provide the secretariat for the national commission for UNESCO, establish scholarships, support organisations representing the arts, humanities and social sciences, and foster Canadian cultural relations abroad; Chair. Col. DOUGLAS B. WELDON; Vice-Chair. GÉRARD FILION; Dir. A. W. TRUEMAN.

Canadian Association for Adult Education: 113 St. George Street, Toronto 5; Dir. ALAN THOMAS; Sec. DORENE JACOBS; publ. *Food for Thought.*

Canadian Education Association: f. 1891; 1,000 mems.; Acting Exec. Sec. C. B. ROUTLEY, 151 Bloor Street West, Toronto 5, Ont.; publs. *Canadian Education and Research Digest* (quarterly), *News Letter* (monthly).

Canadian Universities Foundation: 75 Albert Street, Ottawa 4; the executive agency of the National Conference of Canadian Universities and Colleges which has 44 mem. institutions; Chair. Dr. CLAUDE BISSELL, M.A., PH.D., D.LITT., LL.D., F.R.C.S.; Exec. Dir. Dr. G. C. ANDREW, M.A., D.C.L.; publs. *Canadian Universitites and Colleges, Annual Report of Proceedings, University Affairs* (quarterly), and research studies.

Overseas Institute of Canada (*L'Institut Canadien d'Outre-Mer*): Room 501, 56 Sparks Street, Ottawa, Ont.; f. 1961; to organise Canadian assistance in education and technical services for developing countries; 200 mems.; Pres. FRANCIS G. WINSPEAR; Hon. Sec. Mgr. J. GARNEAU; publ. *News Bulletin* (quarterly).

ENGINEERING

Canadian Council of Professional Engineers (Co-ordinating Body for 11 Provincial Licensing Bodies): Suite 401, 116 Albert Street, Ottawa; total membership of affiliated associations in Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island, Quebec, Saskatchewan, Yukon Territory; 45,000 approx.; Exec. Sec. LEOPOLD M. NADEAU, P.ENG.

Canadian Electrical Association: 320 Tramways Building, 159 Craig Street West, Montreal; f. 1889; 1,600 mems., Gen. Man. B. C. FAIRCHILD; publs. *Reports, Proceedings.*

Canadian Institute of Mining and Metallurgy, The: 906 Drummond Building, 1117 St. Catherine Street West, Montreal 2; f. 1898; 6,000 mems.; Sec.-Treas. C. GEROW; publs. *Bulletin* (monthly), *Transactions* (annual).

Engineering Institute of Canada: 2050 Mansfield Street, Montreal 2; f. 1887; 18,542 mems.; Gen. Sec. GARNET T. PAGE; publs. *Engineering Journal* (monthly), *Transactions* (quarterly).

FORESTRY

Canadian Forestry Association: 3285 Cavendish Blvd., Suite 655, Montreal 28, Que.; f. 1900; Pres. B. F. AVERY; Gen. Man. J. L. VAN CAMP; publ. *Forest and Outdoors* (monthly).

GEOGRAPHY

Canadian Association of Geographers: c/o Dept. of Geography, McGill Univ., Montreal; f. 1951; Pres. DEAN F. K. MARE; Sec. Dr. J. T. PARRY; publ. *The Canadian Geographer.*

The Royal Canadian Geographical Society: 54 Park Avenue, Ottawa 4; f. 1929; 15,000 mems.; Exec. Sec. and Ed. Maj.-Gen. W. J. MEGILL; publ. *Canadian Geographical Journal* (monthly).

HISTORY, POLITICS

Canadian Historical Association: Public Archives of Canada, Ottawa; f. 1922 to encourage historical research and public interest in Canadian history; 1,000 mems.; Sec. T. M. HUNTER; publs. *Annual Report, Historical Booklets.*

Canadian Institute of International Affairs: 230 Bloor Street West, Toronto 5; f. 1928; affiliate of R.I.I.A., London; 2,537 mems. in 25 branches; Pres. JOHN W. HOLMES, Sec. BRADLEY M. WEBB; publs. *International Journal* (quarterly), *Annual Report, Behind the Headlines, Contemporary Affairs, Monthly Report on Canadian External Relations.*

Canadian Political Science Association: f. 1913; approx. 1,650 mems.; Pres. Dr. W. J. WAINES; Sec.-Treas. H. C. EASTMAN, 100 St. George Street, Toronto; publ. *The Canadian Journal of Economics and Political Science.*

Nova Scotia Historical Society: 420 Capitol Building, Halifax; f. 1878; 350 mems.; Sec. G. T. BATES; publ. *Collections.*

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Ontario Historical Society: Department of Education, Annex, 206 Huron Street, Toronto; f. 1888; 700 mems.; 45 affiliated societies; Sec. Miss EDNA ASH, B.A.; publs. *Papers and Records, Ontario History.*

Waterloo Historical Society: Kitchener Public Library, Ont.; Sec.-Treas. Mrs. HALL.

INTERNATIONAL CULTURAL INSTITUTES

Académie Canadienne Française: f. 1944; for the promotion of the French language and culture in Canada; Founder-Dir. VICTOR BARBEAU; Sec. GUY FRÉGAULT, 535 Av. Viger, Montreal.

British Council: 77 Metcalfe Street, Ottawa; Liaison Officer C. H. WILMOT, O.B.E.

Institut Canadien-Français d'Ottawa: 316 Dalhousie Street, Ottawa; f. 1852; 650 mems.; Pres. GÉRARD LEROUX; Sec. ALCIDE PAQUETTE.

Istituto Italiano di Cultura: Montreal; Dir. Prof. ANTONIO D'ANDREA.

Union des Alliances Françaises: 157 avenue Riverdale, Ottawa; Sec.-Gen. L. P. GAGNON.

LAW

Canadian Bar Association: The Royal Bank of Canada Building, 90 Sparks Street, Ottawa 4, Ontario; f. 1914; to promote the advancement of Science of Jurisprudence and the administration of Justice, and to encourage a high standing of Legal Education, training and ethics; 8,000 mems.; Pres. S. E. FENNELL, Q.C.; Sec.-Treas. R. C. MERRIAM, Q.C.; publs. *The Canadian Bar Review, The Canadian Bar Journal.*

LITERATURE, BIBLIOGRAPHY

Association Canadienne des Bibliothécaires de Langue Française (*Canadian Association of French Language Librarians*): 1700 rue Saint-Denis, Montreal 18, P.Q.; f. 1943; a professional, cultural and Catholic organisation of libraries and librarians; Pres. PIERRE MATTÉ; Sec. Mlle. CÉCILE LAVOIE.

Bibliographical Society of Canada: 32 Lowther Avenue, Toronto; f. 1946; Pres. WILLIARD IRELAND; Sec.-Treas. Mrs. R. C. JACOBSEN.

Canadian Authors' Asosciation: Room 1, Hillcrest School, 1339 Bathurst Street, Toronto 4; f. 1921; 777 mems.; Sec. GLADYS TAYLOR; publs. *Canadian Author and Bookman, Canadian Poetry Magazine* (both quarterlies).

Canadian Library Association—Association Canadienne des Bibliothèques: 63 Sparks Street, Ottawa; f. 1946; 2,015 mems.; Pres. Miss RUBY WALLACE; Exec. Sec. ELIZABETH H. MORTON; publs. *Canadian Library, Feliciter,* etc.

International PEN: 3 Redpath Place, Montreal 25, Que.; Pres. Mrs. KATHERINE ROY.

MEDICINE

Academy of Medicine: 288 Bloor Street West, Toronto 5, f. 1907; 2,334 fellows; Sections of Medicine, Surgery; Pediatrics, Pathology, Obstetrics and Gynaecology, Ophthalmology, Oto-Laryngology, Anaesthesia, Preventive Medicine and Hygiene, Neurology, Psychiatry, Urology, Dermatology, General Practice, Orthopaedic Surgery; Hon. Sec. T. C. BROWN; publ. *Bulletin of Academy of Medicine,* Toronto.

Canadian Association of Optometrists: f. 1926; Pres. FRED NUTTALL; Sec. EDWARD BIRD, 36 St. Clair Avenue West, Toronto; publ. *The Canadian Journal of Optometry.*

Canadian Dental Association: 234 St. George Street, Toronto 5; f. 1902; 5,780 mems.; Sec. Dr. DON W. GULLETT; publ. *Journal.*

Canadian Medical Association: 150 St. George Street, Toronto 5; f. 1867; 13,000 mems.; Gen. Sec. Dr. A. D. KELLY; publs. *Canadian Medical Association Journal, Canadian Journal of Surgery.*

Canadian Mental Health Association: 11½ Spadina Road, Toronto 4; f. 1918; 125,000 mems.; Pres. IAN V. DUBIENSKI, Q.C., Barrister; Winnipeg, Gen. Dir. J. D. GRIFFIN, M.D.

Canadian Pædiatric Society (*Societé Canadienne de Pediatrie*): 79 Percival Avenue, Montreal 28; f. 1922; 500 mems.; Pres. Dr. JOHN CHARTERS; Sec. Dr. W. W. TIDMARSH.

Canadian Pharmaceutical Association, Inc.: 221 Victoria Street, Toronto 2; f. 1907; 8,000 mems.; Sec. J. C. TURNBULL; publ. *Canadian Pharmaceutical Journal* (monthly).

Canadian Public Health Association: 1255 Yonge Street, Toronto 7; f. 1910; 2,800 mems.; Pres. O. H. CURTIS, M.D.; Hon. Sec. G. W. O. MOSS, M.D., D.PH.; Exec. Dir. E. J. YOUNG, M.D., D.P.H.; publ. *Canadian Journal of Public Health* (monthly).

Canadian Tuberculosis Association: 265 Elgin Street, Ottawa; f. 1900; 1,200 mems.; Pres. G. R. DAVIDSON, M.D.; Exec. Sec. Dr. C. W. L. JEANES; publs. *Annual Report, Quarterly Bulletin.*

MUSIC

Canadian Music Centre: 559 Avenue Road, Toronto 7, Ont.; for the promotion, in Canada and abroad, of music by Candian composers; Exec. Sec. JOHN ADASKIN.

NATURAL HISTORY

Canadian Phytopathological Society: f. 1929; Sec.-Treas. R. V. CLARK, Canadian Dept. of Agriculture, Genetics and Plant Breeding Research Institute, Research Branch, Central Experimental Farm, Ottawa; publ. *Proceedings* (annual).

Entomological Society of Canada: K.W. Neatby Building, Carling Avenue, Ottawa; f. 1863, name changed to Entomological Society of Ontario 1871, refounded 1951; 677 mems.; 7 affiliated regional societies; Sec. I. S. LINDSAY; publ. *The Canadian Entomologist.*

Natural History Society of Manitoba: Winnipeg; f. 1920; 200 mems.; Pres. G. S. COTTER; Sec. Gen. Mrs. A. E. AXCELL, 310 Linwood Avenue, Winnipeg 12.

Société Canadienne d'Histoire Naturelle: 4101 Sherbrook Street East, Montreal; f. 1923; 300 mems.; publs. *Tracts de la Bibliothèque des Jeunes Naturalistes* (4–8 times a year).

Société Linnéenne de Quebec: Université Laval, Quebec; f. 1929; 350 mems.; Pres. GASTON MOISAN, M.SC.

Vancouver Natural History Society: 890 Seymour Boulevard, North Vancouver, B.C.; f. 1918; Hon. Sec. E. NOEL COPPING (*a.i.*); publ. *Bulletin.*

PHILOSOPHY AND PSYCHOLOGY

Canadian Philosophical Association, The (*L'Association Canadienne de Philosophie*): Philosophy Dept., University of Western Ontario, London; f. 1958; to promote philosophical scholarship in Canada and to represent Canadian philosophers; 160 mems.; Pres. A. H. JOHNSON; Vice-Pres. C. DE KONINCK; Sec. N. J. BROWN.

Canadian Psychological Association (*Société Canadienne de Psychologie*): 391 Richmond Road, Ottawa 13, Ont.;

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f. 1939 to promote pyschological research and the practical applications of psychology in Canada; Pres. ADRIEN PINARD; Sec.-Treas. Lt.-Col. W. R. N. BLAIR.

SCIENCE

Association Canadienne-Française pour l'Avancement des Sciences, Inc.: 2900, Boul. du Mont Royal, C.P. 6128, Montreal; f. 1923; 45 societies as mems.; a federation of French-Canadian learned societies; aims to popularise Science by means of lectures, meetings and awards; Pres. CLAUDE GEOFFRION; Gen. Sec. J.-M. BEAUREGARD; publs. *Annales, Bulletin* (monthly), *Le Jeune Scientifique.*

Canadian Association of Physicists: c/o Dept. of Physics, McMaster University, Hamilton, Ont.; f. 1944; 1,400 mems.; Pres. Dr. G. M. VOLKOFF; Sec. Dr. G. D. SCOTT; publ. *Physics in Canada* (quarterly).

Institut Scientifique Franco-Canadien: 2900 Mount Royal Boulevard, Montreal 26; f. 1926; organises lectures by French scientists and scholars for French-Canadians; Pres. IRÉNÉE MARROU; Pres. for Canada LÉON LORTIE; Sec. ANDRÉ BACHAND.

Nova Scotian Institute of Science: P.O. Box 1522 Halifax; f. 1862; 240 mems.; Sec. Dr. W. YAPHE; Librarian and Corr. Sec. EVELYN CAMPBELL; publ. *Proceedings.*

Royal Canadian Institute: 191 College Street, Toronto; f. 1849; for the promotion of the physical sciences, the arts, and manufactures by research and dissemination of scientific knowledge; 2,200 mems.; Pres. R. W. URQUART; Exec. Sec. Mrs. RUTH J. BREITHAUPT; publ. *Transactions.*

RESEARCH INSTITUTES

Agricultural Institute of Canada: 176 Gloucester Street, Ottawa 4, Ontario; f. 1920; to organise and unite all workers in scientific and technical agriculture and to serve as a medium where progressive ideas for improvements in agricultural education, investigation, publicity and extension work can be discussed and recommended for adoption; 3,000 mems.; Pres. C. F. BENTLEY; Hon.-Sec. T. G. WILLIS; publs. *Canadian Journal of Plant Science* (quarterly), *Canadian Journal of Soil Science* (twice-yearly); *Canadian Journal of Animal Science* (twice-yearly); *Agricultural Institute Review* (bi-monthly).

Arctic Institute of North America: 3458 Redpath Street, Montreal 25, Quebec, f; 1945; to further polar research on an international basis; 202 fellows, 2,098 mems.; Chair. (1963) Dr. F. KENNETH HARE; publs. *Arctic* (quarterly), Special publications, Technical publications, *Anthropology of the North* (trans. from Russian sources) (irregular), *Arctic Bibliography* (annual).

Atomic Energy of Canada, Ltd.: 150 Kent Street, Ottawa 4, Ont.; f. 1952; research into the practical uses of atomic energy, particularly the provision of power, and to supply radio-active isotopes; Pres. J. L. GRAY, M.SC.; Sec. D. WATSON, M.A.

Research Stations:

Chalk River Nuclear Laboratories: Chalk River, Ont.; f. 1944; five nuclear reactors (NRU, NRX, ZEEP, Pool Test Reactor PTR and ZED-2).

Commercial Products Division: Tunney's Pasture, Ottawa 3, Ont.; f. 1946; Radio Isotopes and ancillary equipment.

Nuclear Power Plant Division: North Queen Street, Toronto 18, Ont.; f. 1958; Design, development, construction of nuclear power stations.

Whiteshell Nuclear Research Establishment: Pinawa, Man.; f. 1960; in operation July 1963.

Canadian Dental Research Foundation. 234 St. George Street, Toronto 5; f. 1920; Sec. Dr. Don W. GULLETT.

Commonwealth Institute of Social Research: P.O. Box 1274, Ottawa, Ont.; f. 1960; a centre for fundamental research in the social sciences and humanities to serve the whole Commonwealth; Pres. Dr. JOHN E. ROBBINS; Exec. Sec.-Treas. BERNARD OSTRY.

Geographical Branch: 601 Booth Street, Ottawa; f. 1947 (Fed. Dept. of Mines and Technical Surveys); Dir. Dr. NORMAN L. NICHOLSON; publs. *Atlas of Canada, Geographical Bulletin* (bi-annual), *Bibliographical Series, Geographical Memoir Series, Geographical Papers Series* and *Gazetteer of Canada Series.*

Humanities Research Council of Canada: f. 1943 to promote research in languages, literature, philosophy and history; 24 mems.; Sec. Dr. J. R. KIDD, 505-56 Sparks Street, Ottawa 4; publ. *Biennial Report.*

Institut du Radium: 4120 Ontario Street East, Montreal; f. 1923; Medical Dir. Dr. O. DUFRESNE.

Medical Research Council: Ottawa; f. 1960; Chair. Dr. R. F. FARQUHARSON, M.B.E., M.B., D.SC., LL.D., F.R.C.P.; *see also* **National Research Council.**

Meteorological Service of Canada: 315 Bloor Street West, Toronto 5; f. 1839; a Branch of the Federal Department of Transport; Central Analysis Office at Dorval; main forecast offices at Vancouver, Whitehorse, Edmonton, Winnipeg, Malton, Ottawa, Dorval, Halifax, Goose, Gander; thirty-seven aviation forecast offices, and five special forecast offices; Dir. P. D. MCTAGGART-COWAN; publs. *Daily Weather Map* (Winnipeg), *Monthly Summaries* (Toronto, etc.), *Monthly Record of Observations, General Summaries of Hourly Observations, Annual Report, Climatic Summaries, Canadian Weather Review.*

National Cancer Institute of Canada: 790 Bay Street, Toronto 2; Pres. Dr. R. J. WALTON; Exec. Dir. Dr. R. M. TAYLOR.

National Research Council: Ottawa 2; f. 1916; Laboratory Divs. of Applied Biology, Building Research, Pure Chemistry, Applied Chemistry, Mechanical Engineering, National Aeronautical Establishment, Pure Physics, Applied Physics, Radio and Electrical Engineering; Prairie Regional Laboratory, Saskatoon; and Atlantic Regional Laboratory, Halifax; a Medical Research Council fully responsible for policy in the field of medical research, but functioning under the general administration of the National Research Council, supports extramural research in universities and affiliated institutions; Pres. (Vacant); Senior Dir. LÉO MARION, M.B.E., M.SC., PH.D., D.SC., LL.D., F.R.S.; publs. *Canadian Journals of Biochemistry and Physiology, of Botany, of Chemistry, of Microbiology, of Physics, of Zoology, NRC Review, Annual Report, NRC Research News.*

Ontario Cancer Treatment and Research Foundation: 69 Bloor Street East, Toronto, Ont.; f. 1943; Chair. BHYS M. SALE, LL.D.; Vice-Chair. and Medical Dir. W. G. COSBIE, M.C., M.B., F.R.C.O.G., F.R.S.C.(C); Sec.-Treas. J. H. BROUGHTON, B.COM., C.A.

Ontario Research Foundation: 43-47 Queen's Park, Toronto 5; f. 1928; Chair. K. F. TUPPER; Vice-Chair. F. A. SHERMAN, H. M. TURNER; Dir. A. D. MISENER; Dir. of Research A. E. R. WESTMAN; Dept. of Field

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Services: Dir. D. R. CHRISTIE; Dept. of Industrial Biochemistry; Dir. W. C. HENRY; Dept. of Organic Chemistry: Dir. S. G. REID; Dept. of Physical Chemistry: Dir. Dr. M. H. JONES; Dept. of Materials Chemistry: Dir. W. N. B. ARMSTRONG; Dept. of Metallurgy: Dir. R. L. CAVANAGH; Dept. of Parasitology: Dir. A. M. FALLIS; Dept. of Physics: Dir. B. SCHUMACHER; Dept. of Textiles: Dir. A. C. GOODINGS; Sec.-Treas. W. R. STADELMAN; 10,300 vols. in library; publ. *Annual Report.*

Social Science Research Council of Canada: 56 Sparks Street, Suite 505, Ottawa 4; Pres. Prof. J. H. AITCHISON; Sec.-Treas. Dr. J. R. KIDD.

OBSERVATORIES

Acadia University Observatory: Wolfville, N.S.; f. 1912.

Astronomical Observatory: Quebec; f. 1854, reorganised 1941; operated by the Quebec Centre of the Royal Astronomical Society of Canada, with the co-operation of the Provincial Govt.; Dir. PAUL H. NADEAU, B.A.SC.

David Dunlap Observatory of the University of Toronto: Richmond Hill, Ont.; f. 1935; Dir. J. F. HEARD.

Dominion Astrophysical Observatory: Victoria, B.C.; f. 1916; 21 mems.; Dir. R. M. PETRIE, M.A., PH.D., F.R.S.C.; Sec. Miss T. THOMPSON; publs. *Publications of the Dominion Astrophysical Observatory, Contributions of the Dominion Astrophysical Observatory.*

Dominion Observatory: Ottawa; f. 1902; 86 staff mems.; Dir. C. S. BEALS; Division Heads: R. G. MADILL (Geomagnetism), M. M. THOMSON (Positional Astronomy), J. L. LOCKE (Stellar Physics), M. J. S. INNES (Gravity), J. D. HODGSON (Seismology); library of 27,000 vols.; publs. *Publications of the Dominion Observatory, Contributions from the Dominion Observatory.*

LIBRARIES

ALBERTA

Calgary Public Library: 205,000 vols.; 8 branches; special section on petroleum; Librarian W. R. CASTELL.

Edmonton Public Library: Macdonald Drive, Edmonton; f. 1913; 252,214 vols.; Librarian MORTON COBURN.

Provincial Library of Alberta: Edmonton; 50,000 vols.; Librarian E. J. HOLMGREN.

University of Alberta Library: Edmonton; f. 1909; *c.* 264,000 vols; Librarian BRUCE BRADEN PEEL, M.A., B.L.S.

BRITISH COLUMBIA

Fraser Valley Regional Library: Headquarters: Abbotsford, B.C.; f. 1930; 325 agencies; 200,000 vols.; films; maps; music scores; pamphlets; photographs; Director RONALD LEY.

Law Society of British Columbia Libraries: Vancouver and Victoria; Vancouver 20,000 vols., Victoria 15,500 vols.; Vancouver Librarian Miss M. KEDDY; Victoria Librarian JAMES A. BLAND.

Provincial Library and Archives: Victoria; f. 1893; 400,000 vols.; Librarian W. E. IRELAND.

Union College of British Columbia Library: Vancouver; f. 1927; 18,000 vols.; Librarian JOAN MITCHELL.

University of British Columbia Library: Vancouver; f. 1912; 375,000 vols.; Librarian NEAL HARLOW, ED.B., M.A.

Vancouver Island Regional Library: Headquarters: Nanaimo; 22 branch libraries and bookmobile service; 105,000 vols.; Librarian FRED T. WHITE, M.A., B.L.S.

Vancouver Public Library: Vancouver; f. 1887; 550,000 vols.; 100,000 pamphlets; 8 brs., one bookmobile; Librarian PETER GROSSMAN.

MANITOBA

Law Society of Manitoba Library: Law Courts, Winnipeg 1; f. 1877; 40,000 vols.; Librarian H. ST. GEO. STUBBS.

University of Manitoba Library: Winnipeg; main library of 200,000 vols.; Medical School library of 27,000 vols.

NEW BRUNSWICK

Bonar Law-Bennett Library: University of New Brunswick, Fredericton; f. 1800; 120,000 vols.; Librarian GERTRUDE GUNN, PH.D.

Mount Allison University Library: Sackville; 103,000 vols.; Librarian LAURIE MACCALLUM ALLISON, B.A., B.L.S.

Legislative Library: Fredericton; f. 1787; 36,500 vols.; Librarian MAURICE P. BOONE.

Library of Saint Joseph's University: St. Joseph; 40,000 vols.; Librarian Br. OMER CORMIER.

NEWFOUNDLAND

Memorial University of Newfoundland Library: St. John's; 71,000 vols.; Librarian F. EUGENE GATTINGER, B.A., B.L.S.

NOVA SCOTIA

Acadia University Library: Wolfville; f. 1843; 114,000 vols.; Librarian H. W. GANONG, B.A., B.L.S.

Dalhousie Law Library: organised 1883; 32,000 vols.; Librarian Miss EUNICE W. BEESON.

Dalhousie Medical and Dental Library: 28,000 vols.; Librarian T. H. REES, Jr. Asst. Librarian Miss C. S. ALLAN.

Dalhousie School of Nursing Library: 1,189 vols.

Dalhousie University Library: Halifax; f. 1867; 195,840 vols.; Librarian J. P. WILKINSON, M.L.S.

Legislative Library and Nova Scotia Historical Society Library: Province House, Halifax; 50,000 vols.; Librarian SHIRLEY B. ELLIOTT.

Library of Mount Saint Vincent College: Halifax; 53,000 vols.; Librarian Sister FRANCIS DOLORES, B.A., M.L.S.

Public Archives of Nova Scotia: Coburg Road, Halifax; f. 1931; official records, family and business papers, maps, charts, pictures, microfilmed files of leading newspapers, and a research library of 20,000 vols.; Archivist C. BRUCE FERGUSSON, M.A., D.PHIL.(Oxon.).

St. Francis Xavier University Library: Antigonish; 55,000 vols.

University of King's College Library: Halifax; 40,000 vols.; Librarian H. S. GRANTER, B.A.

ONTARIO

Carleton University Library: Colonel By Drive, Ottawa; 90,000 vols.; Librarian HILDA G. GIFFORD, B.A., B.L.S.

Hamilton Public Library: 55 Main Street West, Hamilton; f. 1889; 342,000 vols.; 5 br. libraries; bookmobile; Librarian FREDA F. WALDON, M.A., LL.D.

Legislative Library of Ontario: Parliament Buildings, Toronto 2; f. 1867; 142,000 vols.

Library of the Geological Survey of Canada: 601 Booth Street, Ottawa; f. 1842; 80,000 vols.; Librarian Mrs. N. I. KUMMERMANN.

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Library of Parliament: Ottawa; f. 1849; 250,000 vols.; 20,000 pamphlets; Parl. Librarian ERIK J. SPICER; Assoc. Parl. Librarian GUY SYLVESTRE.

Library of the Pontifical Institute of Mediaeval Studies: 59 Queen's Park Crescent, Toronto 5; f. 1929; 35,000 volumes, 10,000 folios of MSS. on photostats, 200,000 folios of MSS. on microfilm; Librarian Rev. H. B. GARDNER, C.S.B., B.A., S.T.B., M.S. in L.S.

Library of Supreme Court: Ottawa; Librarians C. E. GOBEIL, W. J. B. GRIERSON.

Library of University of Western Ontario: London; f. 1908; 247,000 vols.; Librarian JAMES J. TALMAN, M.A., PH.D., F.R.C.S.

London Public Library and Art Museum: London, Ontario; f. 1792; 262,963 vols., 294 loan paintings, 5,096 recordings; Dir. C. D. KENT.

McMaster University Mills Memorial Library: Hamilton; f. 1887; 150,400 vols.; Librarian MARGET H. C. MEIKLEHAM, B.A., M.A.L.S.

National Library: Public Archives Building, Ottawa 2; established by the National Library Act, which became effective in January 1953; absorbed the Canadian Bibliographic Centre founded in 1950; a National Union Catalogue is maintained; National Librarian WILLIAM KAYE LAMB, LL.D., PH.D., F.R.C.S.; Asst. National Librarian RAYMOND TANGHE, D.S.P.; Head Reference Div. MARTHA SHEPARD, B.A., B.L.S.; Head Cataloguing Div. JEAN LUNN, PH.D., B.L.S.; publs. *Canadiana*, national bibliography (monthly; annual cumulations).

National Research Council Library (*National Science Library*): Sussex Drive, Ottawa 2; est. in 1927 for the Council; collects comprehensively in most fields of science and technology, and serves as the National Science Library; resources of over 500,000 vols., pamphlets and documents are made available through inter-library loans, photocopying service, and consultation in the Main Library and five subject branches; information services include locating scientific translations and unpublished research reports; publs. *Directory of Canadian Scientific and Technical Periodicals, List of Technical Translations, Recent Additions to the Library, Union List of Scientific Serials in Canadian Libraries*; Librarian JACK E. BROWN.

Ottawa Public Library: Ottawa; f. 1906; 350,000 vols.; Librarian C. B. AUBRY.

Public Archives of Canada: Sussex Drive, Ottawa; f. 1872; depository of public records and historical material; 115,000 maps; 25,000 prints; 89,000 books and pamphlets; Deputy Min. and Dominion Archivist WILLIAM KAYE LAMB, M.A., PH.D., LL.D.

Queen's University Library: Kingston; f. 1841; 310,000 vols., Librarian H. P. GUNDY.

Toronto Public Library: Toronto; 1,000,000 vols.; 22 brs.; library service to 11 hopsitals, libraries in 23 schools, 6 other institutions and settlements, 10 homes for the aged; Chief Librarian HENRY C. CAMPBELL, M.A., B.L.S.

University of Toronto Libraries: Toronto; f. 1842; 1,889,104 vols. and pamphlets; Chief Librarian R. H. BLACKBURN, M.A., B.L.S., M.S.

University of Ottawa Library: Ottawa; f. 1848; 205,000 vols.; Librarian Rev. Father PAUL-EMILE DROUIN, O.M.I., M.A., PH.L., S.T.L., M.L.S.

University of Trinity College Library: Toronto 5; 50,476 vols.; Librarian J. W. COLE, M.A.

Victoria University Library: Queen's Park, Toronto; 131,026 vols.; Librarian Miss M. V. RAY, B.A.

PRINCE EDWARD ISLAND

Legislative and Public Library: Grafton Street, Charlottetown; f. 1900; approx. 20,000 vols; Librarian (Vacant).

Prince Edward Island Libraries: Prince of Wales College, Charlottetown; est. 1933; 95,000 vols. in regional system of 24 rural and town public libraries; Librarian DOROTHY CULLEN.

QUEBEC

Archives de la Province de Quebec: Edifice des Archives et du Musée, Parc des Champs de Bataille, Quebec; f. 1920; 45,000 vols.; Archivist ROLAND-J. AUGER; publs. *Rapport de l'Archiviste de la Province de Quebec* (annual), *Inventaires des Archives de la Province de Quebec* (approx. 3 vols. annually).

Bar of Montreal Advocates' Library: Court House, Montreal; f. 1828; 65,289 vols.; Assoc. Librarian ARTHUR PERRAULT.

Bibliothèque du College de l'Immaculée-Conception (Facultés de Théologie et de Philosophie de la Compagnie de Jésus): 1855 rue Rachel, Est, Montreal 34; 138,000 vols.; Librarian GÉRARD HOULE, S.J.

Bibliothèque Saint-Sulpice (Ministère des Affaires culturelles, Prov. de Quebec): 1700 rue Saint-Denis, Montreal 18; f. 1915; 204,000 vols.

Fraser-Hickson Institute, Montreal (Free Public Library): 4855 Kensington Avenue, Montreal 29; f. 1885; over 140,000 vols.; Librarian Miss MARGERY W. TRENHOLME, B.A., B.L.S.

Library of Laval University: Quebec; f. 1852; 430,000 vols.; Dir. HERVE GAGNÉ, L.TH., M.A.

Library of the City of Montreal: 1210 Sherbrooke Street East; f. 1902; 673,000 vols., of which 43,000 books and pamphlets relate to Canada and Canadian history; Librarian JULES BAZIN.

Library of the Legislature of Quebec: Quebec; f. 1867; 225,000 vols.; 22,000 pamphlets; Librarian J. C. BONENFANT.

Libraries of the University of Montreal: Montreal; 757,000 vols. (including those of affiliated schools); Librarian JOSEPH R. LEDUC, B.A., B.L.SC.

McGill University Library: Montreal; f. 1821; 650,000 vols.; Librarian RICHARD PENNINGTON, B.A.

Osler Library: McGill University, Medical Building, 3640 University Street, Montreal; f. 1929; 15,000 vols. history of medicine and science; Librarian Dr. LLOYD S. STEVENSON (*a.i.*).

Sir George Williams University Library: 1435 Drummond Street, Montreal; Librarian KEITH CROUCH, B.A., B.L.S.

SASKATCHEWAN

Central Library: 12th Avenue at Lorne Street, Regina; 3 brns.; 3 booktrailers.

North Central Saskatchewan Regional Library: 32 brs. and 6 deposit stations with headquarters in Prince Albert; Regional Librarian Miss G. CAMPBELL.

Provincial Library: Government of Saskatchewan, 1150 Rose Street, 3rd Floor, Regina; Miister in Charge Hon. W. S. LLOYD; Provincial Librarian Miss MARY E. DONALDSON; Public Information Library Division, Miss G. MCKAY; Regional Libraries Division, Miss M. GILROY, Miss DONALDA PUTNAM; Technical Services Division Miss KATHE M. ALBU.

Regina Public Library: f. 1909; 148,467 vols.; Librarian Miss MARJORIE DUNLOP, B.A.

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Saskatchewan Legislative Reference Library: Regina; f. 1905; 65,000 vols.; history, languages, biography, law and social sciences; noted for its collection of government documents and archival material relating to Saskatchewan and the old North-West Territories; Librarian JOHN H. ARCHER.

Saskatoon Public Library: f. 1913; 109,586 vols.; Librarian J. S. WOOD, B.A.

University of Saskatchewan Library: Saskatoon; f. 1909; 220,000 vols. and Adam Shortt collection of Canadiana; Librarian D. C. APPELT, M.A., B.L.S.

MUSEUMS AND ART GALLERIES

ALBERTA

Banff National Park Museum: Banff; Natural history exhibits.

Calgary Allied Arts Council: Allied Arts Centre, Calgary; f. 1946; headquarters for fifty cultural organisations; civic art gallery and cultural recreational centre; 2,500 mems.; Pres. F. D. MOTTER; Man. Dir. A. F. KEY; publ. *Courier*.

Department of Geology Museum, University of Alberta: Edmonton; f. 1912; geology, meteorites, mineralogy, vertebrate palæontology, archæology, ethnology; Dir. C. R. STELCK, B.SC., M.SC., PH.D.

Edmonton Art Gallery, The: 9842–105th Street, Edmonton; f. 1924; Canadian pictures; courses in art education; Dir. JOHN W. MACGILLIVRAY.

Luxton Museum Ltd.: Banff; Indian handicrafts and historical exhibits, natural history; housed in a building constructed on the lines of an old-time Hudson Bay Fur Fort.

Museum of Art, University of Alberta: Curator H. G. GLYDE, A.R.C.A., R.C.A.

BRITISH COLUMBIA

Geological Museum: Dept. of Geology, University of British Columbia, Vancouver, B.C.; f. 1925; Hon. Curator M. Y. WILLIAMS.

Helmcken House Museum: 638 Elliott Street, Victoria; maintained by provincial archives; Provincial Archivist WILLARD E. IRELAND; Resident Curator Mrs. H. WEBSTER.

Museum of Northern British Columbia: Prince Rupert; Curator Mrs. JOCELYN BOLTON.

Provincial Museum of Natural History and Anthropology: Victoria; f. 1886; contains reference collections and exhibits pertaining to natural history and anthropology of B.C.; Dir. G. CLIFFORD CARL; publ. *Annual Report, Occasional Papers, Handbook Series, Anthropology in B.C.* series.

Vancouver Art Gallery: 1145 West Georgia Street, Vancouver; f. 1931; early European, contemporary Canadian and British paintings; Emily Carr Trust Collection; Eskimo sculpture; Dir. RICHARD B. SIMMINS, M.A.

Vancouver City Museum and Art Gallery: 401 Main Street, Vancouver 4; f. 1894; natural history, anthropology, art, B.C. Indian artifacts (Gen. World Collection); Dir. T. A. WYLIE.

MANITOBA

Manitoba Museum: Winnipeg; f. 1932; history and natural history of Manitoba; Dir. R. W. SUTTON.

Museums of University of Manitoba: Curators: Mineralogy: Prof. R. B. FERGUSON; Zoology: R. K. STEWART-HAY; Anatomy and Pathology: Dr. L. C. BARTLETT; Botany: Prof. J. C. RITCHIE.

Winnipeg Art Gallery: The Winnipeg Auditorium; Dir. FERDINAND ECKHARDT, PH.D.

NEW BRUNSWICK

Beaverbrook Art Gallery: Fredericton, New Brunswick; f. 1959; 500 paintings and 200 drawings, 500 prints; Pillow collection of English porcelain; English sculptures; library; Dir. Prof. EDWY FRANCIS COOKE.

Fort Beauséjour National Historic Park and Museum: Aulac; Hon. Curator Dr. J. C. WEBSTER, C.M.G.; in charge H. B. C. DIXON.

Miramichi Natural History Museum: Chatham; Pres. R. M. WOOD.

New Brunswick Museum: St. John; f. (1842) 1930; Sec. of the Board and Curator of Nat. Science W. AUSTIN SQUIRES, B.A., M.SC.; Acting Curator of Art Mrs. K. W. RYDER; Dir. and Curator of Canadian History GEORGE MACBEATH, B.A., D.U.P.; library of 40,000 vols.; publs. *Monographic Series, Historical Studies, Catalogues, Bulletins*.

York-Sunbury Historical Society Museum: Fredericton; Curator Dr. D. J. MACLEOD; Sec. Mrs. BARBARA MACKINNON.

NEWFOUNDLAND

Newfoundland Archives: St. John's; Provincial Archivist A. M. FRASER, M.A.

Newfoundland Museum: St. John's; Curator A. M. FRASER, M.A.

Newfoundland Naval and Military Museum: St. John's; Curator DAVID WEBBER.

NOVA SCOTIA

Acadia University Museum: f. 1847; geology, biology, ethnology, history; Librarian H. W. GANONG.

Dalhousie University Museum: Halifax; archæology, natural history, geology.

Fort Anne National Historic Park and Museum: Annapolis Royal, N.S.; Hon. Supt. of Fort Anne and Port Royal National Historic Parks G. F. HALL.

Fortress of Louisbourg Museum: Louisbourg; Project Man. A. D. PERRY.

Nova Scotia Museum: Halifax; Dir. DONALD K. CROWDIS; publs. Bulletins, Occasional Papers, and Newsletter.

Nova Scotia Museum of Fine Arts: 6146 Coburg Road, Halifax; f. 1909; collection of Public Archives of Nova Scotia; Hon. Curator DONALD C. MACKAY.

Nova Scotia Museum of Science: Spring Garden Road; Halifax; natural history, expecially of Nova Scotia, includes planetarium.

Pioneers' Museum: Green Hill, Picton Co.; Curator CLIFFORD ROSE, 254 Almonte Avenue, New Glasgow.

ONTARIO

Art Gallery of Hamilton, Main and Forsyth: Hamilton; Dir. T. R. MACDONALD, R.C.A.

Art Gallery of Toronto: Grange Park, Toronto, 2B; f. 1900; Canadian paintings and sculpture; French Impressionists (Renoir, Dégas, Monet, Pissarro); 18th-century British (Gainsborough, Reynolds); European paintings 13th to 20th century (Tintoretto, Rembrandt, Hals,

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Van Dyck, Poussin); contemporary sculpture (Moore, Epstein, Lipton); 4,600 mems.; Dir. MARTIN BALDWIN; Sec.-Treas. A. K. KEMBAR.

The National Museum of Canada: Ottawa; the museum originated in the Geological Survey of Canada (f. 1842); the name "National Museum of Canada" was applied in 1927; in 1957 the museum was divided into two branches, under separate directors.

Human History Branch: This branch of the Dept. of Northern Affairs and National Resources represents the former anthropological section of the National Museum of Canada, together with some other collections; exhibits illustrating the archæology, ethnology, and history of Canada; study collections open to research by properly qualified students, include 287,000 archæological specimens, 26,000 ethnological specimens and 1,500 physical anthropology specimens; folk-song collection includes large library of phonographic recordings; Acting Dir. L. S. RUSSELL, PH.D., LL.D., F.R.S.C.; library maintained in conjunction with the Natural History Branch.

Natural History Branch: collections illustrating the natural history of Canada; its geology, mineralogy, palaeontology, zoology and botany; study collections, open to research by properly qualified students, include over 270,000 sheets of vascular plants, 102,000 cryptograms, 31,000 mammals, 49,000 birds, 27,500 specimens of amphibians and reptiles, 281,000 molluscs and brachiopods, 269,000 other invertebrates and 34,000 fishes; an outstanding collection of dinosaurs and other fossil vertebrates; scientific and educational publications on this material available for distribution; Dir. L. S. RUSSELL, PH.D., LL.D., F.R.C.S.; library of *c.* 40,000 vols; Librarian AUDREY E. DAWE, B.A., B.L.S.

Dundurn Castle Museum: Hamilton; f. 1900; exhibits mostly pertaining to local history; Curator Mrs. M. G. METCALFE.

Jordan Historical Museum of the Twenty: Jordan, Ont.; f. 1953; a collection illustrating life in the Twenty Mile Creek Area after 1776; Sec. BARBARA COFFMAN.

Marine Museum of Upper Canada: Stanley Barracks and Old Fort York, Toronto 2B, Ont.; operated by the Toronto Civic Historical Committee; Exec. Sec. J. A. MCGINNIS.

National Aviation Museum: Ottawa International Air Terminal, c/o National Museum of Canada, McLeod and Metcalfe Streets, Ottawa; Curator KENNETH MOLSON.

National Gallery of Canada: Lorne Building, Ottawa; f. 1880; paintings (inc. Old Masters purchased from the Prince of Liechtenstein, 1953–56), sculpture, prints and drawings of European schools; the Massey collection of English paintings; the most representative Canadian collection in existence; war art of both world wars; reference library of 15,000 vols.; exhibitions circulated in Canada and Canadian exhibitions sent abroad; the new building replacing the old, was opened February 1960; Dir. CHARLES F. COMFORT, LL.D.; Asst. Dir. W. S. A. DALE, PH.D.; Chief Curator R. H. HUBBARD, PH.D.; Curator of Canadian Art J. R. HARPER; Curator of Prints and Drawings KATHLEEN M. FENWICK; Curator of War Collections R. F. WODEHOUSE; Dir. Exhibition Extension Services J. R. OSTIGUY; Chief Conservation and Scientific Research N. STOLOW, PH.D.; publs. *Annual Report, Bulletin.*

Pioneer and Marine Museum: Collingwood, Ont.; f. 1904; Chair. G. C. PATTERSON; Sec. Mrs. R. GIBBONS.

Queen's University Museums: Kingston; geology dept., f. 1901; Curator L. G. BERRY; biology dept., f. 1880, Curator (to be appointed); pathology dept., f. 1895, Curator Prof. R. H. MORE.

Royal Ontario Museum: 100 Queen's Park, Toronto 5; f. 1912; Chair. Museum Board, HAROLD M. TURNER; Dir. of Admin. LIONEL MASSEY, DIP. P.P.E. (Oxon.); Sec. Mrs. HELEN M. DOWNIE.

Art and Archæology Division: permanent galleries, research collections in each of Greek and Roman, Near Eastern, Far Eastern, European, textiles and costume, Canadiana, and ethnology departments. Collections illustrate prehistory, classical civilizations, medieval and modern Europe, outstanding Chinese collection covering entire range of art and archæology, with large Chinese library; extensive ethnology collections with emphasis on American Indian; North American archæological collections and active research programme; Sigmund Samuel Canadiana Collection housed separately at 14 Queen's Park Crescent, West; Head A. D. TUSHINGHAM, B.D., PH.D., F.S.A.

Life Sciences Division: departments of mammalogy, ornithology, herpetology, ichthyology, invertebrates, fossil vertebrates, fossil invertebrates, each with extensive research collections and facilities. Permanent public galleries especially noteworthy in fossil vertebrates, ichthyology and herpetology, important reference library; Head W. E. SWINTON, PH.D. (Glas.), F.R.S.E., F.M.A., F.R.A.I.

Earth Sciences Division: departments of geology and mineralogy. Public galleries of physical and applied geology, systematic gallery of mineralogy, gem collection display. Extensive research collections and library; Head V. B. MEEN, M.A., PH.D.

Education Division: conducts museum educational programme for Ontario schools, and adult groups, film programmes, children's clubs, etc.; Supervisor N. E. HEAKES, B.A.

QUEBEC

Ecole Polytechnique, Musée de Mineralogie et de Géologie: P.O. Box 501, Snowdon, Montreal 29; Curator PIERRE MAUFFETTE.

McCord Museum of McGill University: Corner Drummond and McGregor Sts., Montreal; f. 1919; Canadiana, illustrating Canadian history from 1535 to the present day; closed temporarily; Dir. A. J. TURNHAM, B.SC.

McGill University Museums: Montreal 2; Dir. ALICE J. TURNHAM, B.SC.

Peter Redpath Museum: McGill University; f. 1882; natural history; Curators: Invertebrate Zoology: V. CONDÉ; Entomology: G. A. MOORE, M.SC.; Geology: LOUISE S. STEVENSON, M.SC.; Education: H. G. FERRABEE, M.A.; Vertebrate Zoology: (Vacant).

David Ross McCord Museum: 3607 Drummond Street, Montreal 2; f. 1919; Canadian history and Canadian archæology; Curators: Anthropology: G. R. LOTHER, M.A.; Prints and MSS.: ISABEL B. DOBELL, B.A.

Montreal Museum of Fine Arts: 1379 Sherbrooke Street West, Montreal 25; f. 1860; Dir. EVAN H. TURNER, PH.D.; Head of Art School ARTHUR LISMER, R.C.A., LL.D., PH.D.T.; Asst. Dir. EDWARD P. LAWSON, M.A.; Librarian J. BILKINS, M.A., B.L.S.; Sec. Mrs. GRETA M. KELLY; publs. *Monthly Bulletin, Guide to the Collections, Catalogue of Paintings, Illustrated Handbook.*

Musée de la Province de Quebec: Parc des Champs de Bataille, Quebec; f. 1931; beaux-arts, natural history; Curator GÉRARD MORISSET.

Musée Historique Canadien.: 3715 Queen Mary Road; Curator GÉRARD LAFORTUNE.

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Museum of Laval University: Quebec; f. 1852; mineralogy, geology, palaeontology, botany, chemistry, archaeology, ethnography, physics, zoology, numismatics, mathematical and astronomical instruments; paintings of Canadian, Italian, French, Dutch, Spanish and English schools; goldsmith's works; antique furniture; numismatics, etc.; 8 Curators.

SASKATCHEWAN

Lund Wild Life Exhibit: Lund Exhibit Building, Prince Albert; Curator GORDON E. LUND.

Norman Mackenzie Art Gallery: University of Saskatchewan, Regina Campus; permanent collection of Canadian, European, Mesopotamian and Oriental art; travelling exhibitions; Dir. R. L. BLOORE, M.A.

Prince Albert Historical Museum: Prince Albert; org. 1923; local historical exhibits, early settlement, pioneers, Indian life, etc.; Pres. ARNOLD AGNEW; Sec. I. C. COLLINS.

Saskatchewan Museum of Natural History: Wascana Park, Regina; f. 1906; new building opened 1955; habitat cases depicting wild-life in its natural environment; models and maps illustrating the geological history of the earth; archaeological exhibits including artifacts used by early inhabitants of Saskatchewan; guided tours for schools; branch of Dept. of Natural Resources, Provincial Govt.; 13 mems.; Dir. F. G. BARD; publ. *Annual Report*.

University of Saskatchewan Museum: Saskatoon; f. 1917; Dept. of Biology.

Western Development Museum: Saskatoon, Saskatchewan; f. 1947; brs. at North Battleford and Yorkton; displays and preserves pioneer agricultural machinery and historical household items; annual show; Curator GEORGE SHEPHERD.

UNIVERSITIES AND COLLEGES

ACADIA UNIVERSITY

WOLFVILLE, NOVA SCOTIA

Telephone: 542-2271

Founded 1838

President: WATSON KIRKCONNELL, M.A., PH.D., L.H.D. LL.D., D.P.E.C., D.LITT., F.R.A.I., F.R.S.C.
Vice-President: R. S. LONGLEY, M.A., PH.D., LL.D., F.R.S.C.
Vice-President for Development: NORMAN MOORE.
Provost: E. S. HANSEN, PH.D., B.SC.
Treasurer: F. J. ELDERKIN.
Registrar: JAMES R. MCBRIDE, B.A.
Librarian: H. W. GANONG, B.A., B.L.S.

Number of teachers: 86, including 38 professors.
Number of students: 794 men, 395 women, total 1,189.

DEANS:

Faculty of Applied Science: F. C. TURNER, B.E.(*a.i.*).
Faculty of Arts: R. S. LONGLEY, M.A., PH.D.
Faculty of Science: E. C. SMITH, M.A., PH.D.
Faculty of Home Economics: ELIZABETH MACMILLAN, M.A.
Faculty of Music: R. GREEN, F.R.C.O., A.R.M.M.
Faculty of Theology: E. M. WHIDDEN, M.A., D.D.
School of Education: M. V. MARSHALL, M.A., D.ED.

PROFESSORS:

BLEAKNEY, J. S., M.SC., PH.D. (Zoology).
CAMERON, H. L., M.SC., F.A.G.S. (Geology).
CHERRY, M. R., B.A., B.D., TH.D. (Systematic Theology).
FRASER, D. G. L., M.A. (Political Science).
GREEN, R., F.R.C.O., A.R.M.M. (Organ).
HALEY, K. D. C., B.A., M.SC., PH.D. (Mathematics).
HANSEN, E. S., B.SC., PH.D. (Chemistry).
JEFFERY, R. L., PH.D., (Mathematics).
JEWITT, A. R., M.A., PH.D. (English).
KALEJS, JANIS (Music).
LEWIS, H., M.A., PH.D. (Philosophy).
LINTON, E. P., PH.D. (Chemistry).
LONGLEY, R. S., M.A., PH.D. (History).
LOVESEY, M. R. B., B.SC., B.D., M.TH., M.A. (Biblical Literature).
MACDONALD, R., M.A., ED.D. (Education).
MACLEAN, A. H., M.A., PH.D. (History).
MACMILLAN, ELIZABETH, M.A. (Home Economics).
MARGARVEY, R. H., M.SC. (Physics).
MARSHALL, M. V., M.A., D.ED. (Education).
MAYOH, L. (Voice).
MERRICK, E. C., B.A., D.D. (Pastoral Theology).
MORSE, N. H., M.A., PH.D. (Economics).
NEATBY, L. H., M.A., PH.D. (Classics).
RAYSKI-KIETLICZ, K., D.LITT. (Romance Languages).
SMALL, C. W., M.A. (Chemistry).
SMITH, E. C., B.SC., A.M., PH.D. (Biology).
SNOW, D. O., M.SC., PH.D. (Mathematics).
TILLOTSON, J. G., M.SC. (Physics).
WASEEM, Mrs. GERTRUD, M.A. (German).
WHIDDEN, E. M., M.A., D.D. (Church History).

UNIVERSITY OF ALBERTA

EDMONTON AND CALGARY, ALBERTA

Telephone: Edmonton: GEneva 98721. Telegrams: Vera
Calgary: AVenue 90241.

Founded 1908

Chancellor: His Hon. Judge LAURANCE YEOMANS CAIRNS, B.A., LL.D.
President: WALTER HUGH JOHNS, B.A., PH.D., LL.D.
Vice-President: HERBERT STOKER ARMSTRONG, M.A., PH.D., F.R.S.C.
Principal (Calgary): MALCOLM GEORGE TAYLOR, M.A., PH.D.
Bursar: JOHN M. WHIDDEN, B.COM.
Registrars: ALEXANDER DUNCAN CAIRNS, B.A. (Edmonton), JOHN NICOL, M.A. (Calgary).

Number of teachers: 760 full-time.
Number of students: (1962-63) 9,459 men, 7,324 women, total 16,783.

Publications: *The New Trail*, published jointly by the University and its Alumni Association.

DEANS AND DIRECTORS:

Faculty of Arts (Edmonton): DOUGLAS ELSTOW SMITH, M.A., PH.D.
Faculty of Science (Edmonton): MAX WYMAN, B.SC., PH.D., F.R.S.C.
Faculty of Arts and Science (Calgary): M. H. SCARGILL, B.A., PH.D.
Faculty of Engineering: ROBERT MACDONALD HARDY, B.SC., M.SC., D.SC.
Faculty of Medicine: WALTER CAMPBELL MACKENZIE, B.SC., M.D., C.M., M.S., F.A.C.S., F.R.C.S.(C).
Faculty of Agriculture: CHARLES FRED BENTLEY, M.SC., PH.D.
Faculty of Law: WILBUR FEE BOWKER, Q.C., B.A., LL.B., LL.M.
Faculty of Dentistry: HECTOR ROBERT MACLEAN, D.D.S., F.A.C.D., F.I.C.D.

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Faculty of Education: HERBERT THOMAS COUTTS, M.A., PH.D.
Faculty of Education (Calgary): HAROLD STEWART BAKER, B.A., M.A., PH.D.
Faculty of Pharmacy: MERVYN JAMES HUSTON, M.SC., PH.D.
Faculty of Graduate Studies: ARTHUR GILBERT MCCALLA, M.SC., PH.D., F.R.S.C.
Faculty of Commerce: HUBERT WILLIAM HARRIES, B.SC., M.S., M.A., PH.D.
School of Physical Education: MAURICE LEWIS VAN VLIET, M.S., ED.D. (*Director*).
School of Nursing: RUTH ELIZABETH MCCLURE, B.SC., M.P.H., R.N. (*Director*).
School of Household Economics: Miss ELIZABETH LOUISE EMPEY, B.SC., M.N.S., PH.D. (*Director*).
Student Counselling Services: PETER REMPEL, B.A., B.ED., PH.D. (*Acting Director*).
Student Counselling Services (Calgary): EUGENE R-CHARD OETTING, B.SC., M.SC., PH.D.
School of Physical Therapy and Occupational Therapy: JOHN RICHARD FOWLER, M.D. (*Director*).

PROFESSORS:

Faculty of Arts:

BALDWIN, R. G., B.A., M.A., PH.D. (English).
BLACKLEY, FRANK DONALD, M.A., PH.D. (History).
DAVY, G. R., B.A., PH.D. (Economics).
EATON, R. S., MUS.B. (Music).
ELDER, A. T., B.A., M.A., PH.D. (English).
GAINER, W. D., B.SC., M.S., PH.D. (Economics).
GLYDE, H. G., A.R.C.A., R.C.A. (Fine Arts).
GREENE, E. J. H., M.A., D. de l'Univ. de Paris (French).
HANSON, E. J., M.A., PH.D. (Economics).
HARDY, W. G., M.A., PH.D. (Classics).
HEYMANN, F. G., PH.D. (History) (Calgary).
JONES, J. T., M.A. (English).
KREISEL, HENRY, M.A., PH.D. (English).
MARDIROS, A. M., M.A., M.LITT. (Philosophy).
ROYCE, J. R., A.B., PH.D. (Psychology).
RYAN, A. A., M.A. (English).
SCARGILL, M. H., B.A., PH.D. (English) (Calgary).
SMITH, D. E., M.A., PH.D. (Psychology).
TAYLOR, M. G., M.A., PH.D. (Political Science) (Calgary).
THOMAS, L. G., M.A., PH.D. (History).
WINSPEAR, A. D., B.A., M.A. (Classics) (Calgary).
VON BERTALANFFY, L., PH.D. (Psychology, Zoology).

Faculty of Science:

ARMSTRONG, H. S., B.A., M.A., PH.D. (Geology).
BHATIA, A. B., M.SC., D.PHIL., PH.D. (Physics).
BRODIE, H. J., B.SC., M.SC., PH.D. (Botany).
BROWN, R. K., B.SC., M.SC., PH.D. (Chemistry).
CHALLICE, C. E., B.SC., PH.D. (Physics).
CORMACK, R. G. H., M.A., PH.D., F.R.S.C. (Botany).
FOLINSBEE, R. E., B.SC., M.A., PH.D. (Geology).
GRAYSON-SMITH, H., M.B.E., M.A., PH.D., F.R.S.C. (Physics).
GUNNING, H. E., M.A., PH.D. (Chemistry).
HARRIS, W. E., M.SC., PH.D. (Chemistry).
LEMIEUX, R. U., B.SC., PH.D. (Chemistry).
MCNAMEE, J. J., B.E., B.SC., PH.D. (Mathematics).
MOSER, L., B.SC., M.A., PH.D., F.R.S.C. (Mathematics).
MYERS, C. E., B.SC., M.SC., PH.D. (Microbiology).
NEWBOUND, K. B., M.SC., PH.D. (Physics).
PATERSON, A. R. P., B.SC., M.SC., PH.D. (Biochemistry).
ROSS, D. M., M.A., PH.D. (Zoology).
SANDIN, R. B., M.A., PH.D., F.R.S.C. (Chemistry).
SCOTT, D. B., B.A., PH.D. (Phsyics).
STELCK, C. R., M.SC., PH.D. (Geology).
SHYTE, J. H., M.SC., PH.D. (Botany).
WONDERS, W. C., M.A., PH.D. (Geography).
WYMAN, M., B.SC., PH.D., F.R.S.C. (Mathematics).

Faculty of Engineering:

BLENCH, T., B.SC., M.I.C.E. (Civil Engineering).
FLOCK, D. C., M.S., PH.D. (Chemical Engineering).
FORD, G., M.SC., PH.D. (Mechanical Engineering).
GADS, L. E., B.SC. (Civil Engineering).
HARDY, R. M., B.SC., M.SC., D.SC. (Civil Engineering).
HARLE, JAMES A., M.SC., M.I.E.E. (Electrical Engineering).
LEJA, J., B.SC., PH.D. (Metallurgy).
LILGE, EWALD O., M.S.C. (Mining Engineering).
LONGWORTH, J., M.SC. (Civil Engineering).
PARR, J. G., B.SC., PH.D. (Metallurgy).
PATCHING, T. B.SC. (Mining Engineering).
PORTEOUS, J. W., M.SC. (Electrical Engineering).
ROBINSON, D. B., M.A.SC., PH.D. (Chemical Engineering).
SINCLAIR, S. R., M.SC. (Civil Engineering).

Faculty of Medicine:

ANDERSON, W. S., B.SC., M.D., M.S., F.R.C.S. (C), F.A.C.S. (Surgery).
CALDER, J., M.D. (Pædiatrics).
COLLIER, H. B., M.A., PH.D., F.C.I.C., F.R.S.C. (Biochemistry).
COLTER, J. S., B.SC., PH.D. (Biochemistry).
DANIEL, E. E., M.A., PH.D. (Parmacology).
DUGGAN, H. E., M.D. (Radiology).
ELLIOTT, J. F., B.A., M.D., F.R.C.P.(C), F.A.C.P. (Medicine).
GAIN, G. D., B.A., M.D., F.A.C.A. (Anæsthesia).
GREENHILL, S., M.D., D.P.H. (Preventive Medicine).
HAMILTON, K., B.A., M.B.CH.B., F.R.C.P. (C), M.R.C.P., F.A.C.P. (Medicine).
HARRISON, R. C., M.D., M.S., F.R.C.S.(C), F.A.C.S. (Surgery).
HORNER, R. H., M.D., F.A.C.S., M.R.C.O.G. (Obstetrics and Gynæcology).
LEESON, T. S., B.A., M.A., PH.D. (Anatomy).
MACBETH, R. A. L., B.A., M.D., M.SC., F.R.C.S.(C), F.A.C.S. (Surgery).
MACGREGOR, J. W., B.A., M.D., F.R.C.P.(C) (Pathology).
MACKENZIE, W. C., B.SC., M.D., C.M., M.S., F.A.C.S., F.R.C.S. (C.), (Surgery).
MARTIN, J. K., M.R.S.C., L.R.C.P., M.B., B.S., D.C.H., M.R.C.P. (Pediatrics).
MICHALYSHYN, B., M.D., F.R.C.S.(C.) (Surgery).
MORTON, G. K., M.D. (Neurosurgery).
NASH, C. W., M.SC., PH.D. (Pharmacology).
PAUL, W. M., M.D., F.R.S.C. (Obstetrics and Gynæcology).
PEARCE, J. W., M.D., C.M., D.PHIL. (Physiology).
PENIKETT, E. J. K., M.D., B.S., PH.D., L.R.C.P., M.R.C.S. (Bacteriology).
ROSTRUP, O., M.D., F.A.C.S., F.R.C.S.(C.), F.A.A.O.S. (Orthopædic Surgery).
SALT, W. R., M.SC. (Anatomy).
SPANER, S., B.A., M.D. (Psychiatry).
STUART, R. D., M.B., CH.B., M.D., D.SC., D.P.H., F.R.F.P.S. (Bacteriology).
THOMSON, R. K. C., B.SC., M.D., F.A.C.P. (Neurology).
VANT, J. R., B.A., M.D., F.A.C.S., F.R.C.S. (C), F.R.C.O.G. (Obstetrics and Gynæcology).
WHEELER, B. M., M.B.E., M.D., F.R.C.P.(C.) (Medicine).
WILLOX, G. L., M.D., F.R.C.S.(C.), F.A.C.S. (Surgery).
WILSON, D. R., B.A., M.D., C.M., F.R.C.P.(C), F.A.C.P. (Medicine).
WILSON, T. S., B.SC., M.D., F.R.C.S.(C), F.A.C.S. (Surgery).
YONGE, K. A. C., M.D., C.M., D.P.M. (Psychiatry).

Faculty of Agriculture:

BERG, R. T., B.SC., M.SC., PH.D. (Animal Genetics).
BENTLEY, C. F., M.SC., PH.D. (Soils).
BOWLAND, J. P., B.S.A., M.S., PH.D. (Animal Science).
CLANDININ, D. R., M.S.A., PH.D. (Poultry Husbandry).
CLEGG, LAWRENCE FRANK LEVEY, B.S.A., PH.D., D.SC., D.I.C. (Dairy Service).
CORNS, W. G., M.SC., PH.D. (Plant Science).
HENRY, A. W., M.S.A., PH.D. (Plant Pathology).
HOCKING, B., M.SC., PH.D., A.R.C.SC. (Entomology).
JOHNSON, L. P. V., M.SC., PH.D. (Genetics and Plant Breeding).
MCCALLA, A. G., M.SC., PH.D., F.R.S.C. (Plant Science).
MCELROY, L. W., M.SC., PH.D. (Animal Science).
MACHARDY, FENTON VINCENT, B.E., M.S. (Agricultural Engineering).
MANNING, T. W., M.SC., PH.D. (Agricultural Economy and Farm Management).
PERSON, C. O., M.A., PH.D. (Genetics).
ROBBLEE, A. R., M.SC., PH.D. (Poultry Husbandry).
TOOGOOD, J. A., B.SC., PH.D. (Soils).
WEIJER, J., M.SC., PH.D. (Horticulture).

Faculty of Law:

BOWKER, WILBUR FEE, Q.C., B.A., LL.B., LL.M. (Law).
SMITH, A., Q.C., B.A., LL.B., LL.M. (Law).
THOMPSON, A. R., LL.B., LL.M. (Law).

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Faculty of Dentistry:
CASTALDI, C. R., D.D.S., M.S.D. (Pedodontics).
MACLEAN, HECTOR ROBERT, D.D.S., F.A.C.D., F.I.C.D. (Operative Dentistry).
MCMURCHY, KENNETH ALAN, B.A., D.D.S. (Oral Pathology).
TOBA, J., M.SC., PH.D. (Biochemistry).

Faculty of Education:
ANDERSON, C. C., M.A., ED.P., PH.D. (Educational Psychology).
ANDREWS, J. H., M.A., PH.D. (Educational Administrations).
BAKER, H. S., M.A., PH.D., L.A.B. (Secondary Education).
BLACK, D. B., M.ED., ED.D. (Educational Psychology) (Calgary).
BUXTON, EARL WILLIAM, B.ED., M.A., PH.D. (Secondary Education).
COUTTS, H. T., M.A., PH.D. (Educational Administration).
DOWNEY, L. W., B.A., PH.D. (Secondary Education).
DUNLOP, G. M., M.A., PH.D. (Educational Psychology).
FINN, T. G., A.M., ED.D. (Elementary Education, Calgary).
GILLES, J. W., M.A., ED.D. (Educational Psychology).
MACARTHUR, RUSSELL STUART, M.ED., PH.D. (Educational Psychology).
MOWAT, GORDON LESLIE, B.SC., M.A., ED.D. (Educational Foundations).
PILKINGTON, W., B.A., B.ED., M.ED. (Secondary Education).
REEVES, A. W., M.A., ED.D. (Educational Administration).
SPARBY, H. T., B.SC., M.A. (Educational Administration).
WALKER, B. E., M.A., PH.D., DIPLOMÉ DE L.E.P.P.F.E. (Secondary Education).
WORTH, W. H., M.ED., PH.D. (Elementary Education).

Faculty of Pharmacy:
HUSTON, MERVYN JAMES, M.SC., PH.D. (Pharmacy).
RIEDEL, BERNARD EDWARD, M.SC., PH.D. (Pharmacy).

Faculty of Commerce:
HARRIES, H. W., B.SC., M.S., M.A., PH.D. (Business).

School of Physical Education:
GOODWIN, LUTHER, B.A., B.ED., M.ED. (Physical Education) (Calgary).
SMITH, W. D., B.P.H.E., M.A., ED.D. (Physical Education).
VAN VLIET, MAURICE L., B.S., M.S., ED.D. (Physical Education).

School of Physical Therapy and Occupational Therapy:
FOWLER, J. R., M.D. (Physiotherapy).

School of Nursin: (Vacant).

School of Household Economics:
EMPEY, E. L., B.SC., M.SC., PH.D.

AFFILIATED COLLEGES:

Lethbridge Junior College: Lethbridge, Alta.; f. 1957; affiliated with the University of Alberta as a Junior College.
Dean: W. J. COUSINS, M.A.

Camrose Junior College: Camrose, Alberta; affiliated with the University of Alberta as a Junior College in 1959.
Dean: K. G. MORGENROTH, B.A., M.A., M.ED., PH.D.

Mount Royal College: Calgary, Alberta; f. by the late Dr. George W. Kerby; inc. 1910; affiliated with the University of Alberta as a Junior College.
Principal: Rev. W. J. COLLETT, B.ED., M.A., B.D.
Registrar: W. G. MAXWELL RAE.

Provincial Institute of Technology and Art: Calgary.
Principal: F. C. JORGENSON, B.ED.

St. Joseph's Catholic College: Edmonton.
Rector: FR. W. DORE, C.S.B., PH.D.

St. Stephen's College: Theological College, Edmonton.
Principal: E. J. THOMPSON, M.A., B.D., PH.D., D.D.

BISHOP'S UNIVERSITY

LENNOXVILLE, QUEBEC

Telephone: Lorraine 2-7922

Founded 1843, constituted a university by Royal Charter 1853.

Chancellor: Hon. D. C. ABBOTT, B.C.L.
Principal: C. L. O. GLASS, M.A., D.C.L.
Registrar and Bursar: W. L. TOMKINS, B.A.
Librarian: A. D. BANFILL, B.A., B.C.L., B.L.S.

Number of teachers: 30.
Number of students: 400.

DEANS:

Faculty of Arts: A. W. PRESTON, M.A., D.C.L.
Faculty of Divinity: Rev. S. JELLICOE, M.A., B.D.

PROFESSORS:

ANIDO, Rev. J., M.A. (Theology).
CROUSE, Rev. R. D., B.A., S.T.B., M.TH. (Theology).
DUVAL, R. A., M.B.A. (Business Administration).
FORTH, Rev. D. S., B.A., B.D., L.TH. (Theology).
GRAY, JAMES, M.A. (English).
HOME, M., B.A., M.SC. (Physics).
ISENOR, N. R., M.SC., PH.D. (Physics).
JEFFERIS, J. D., B.A., M.A., PH.D. (Education).
JUDSON, T. A., B.SC., M.A. (Economics).
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Number of students: 9,396 men, 4,202 women, total 13,598.
Publications: University Calendar, *Lecture Series*, *Canadian Literature* (quarterly), *Pacific Affairs* (quarterly).

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Number of teachers: 116 full-time, including 18 professors; 88 sessional lecturers, part-time.

Number of students (1961-62): 1,585 full-time, 1,290 part-time.

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Number of teachers: 398, including 68 professors.

Number of students: 1,855 men, 726 women, total 2,581.

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Registrar and Dean of Women: Mrs. P. J. Power, B.SC.
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Number of professors: 12.
Number of students: 162.
Publication: *Calendar* (annual).

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AMIOT, L. P., D.SC. (Chemistry).
BELLEFEUILLE, R., B.A., B.SURV., F.E., L.SC. (Dendrometry).
BOURGET, M. A., B.A., L.S., F.E. (Technology).
BOUTIN, F., B.A., F.E. (Algebra).
GOSSELIN, R., PH.D. (Mathematics).
JONCAS, L., B.A., B.APP.SC., D.SC., B.SURV. (Geodesy).
LAFOND, A., F.E., D.SC. (Ecology).
LAMOTHE, G., B.A., B.APP.SC. (Forest Exploitation).
MASSÉ, A., B.A., B.SURV., F.E. (Surveying and Mills).
POULIOT, E., B.A., B.SURV., F.E. (Practical Astronomy).
RICHARD, A., B.A., F.E., M.SC., PH.D. (Podology).
RISI, J., D.SC. (Organic Chemistry).
ROUSSEAU, Z., L.S., F.E. (Phytogeography and Ecology).
SAVARY, R., B.SURV., F.E., C.ENG. (Descriptive Geometry).

Faculty of Commerce:

BÉLANGER, M., L.COM., M.A.
Bro. CLÉMENT, D.PH. (Comparative Psychology).
Bro. HORMISDAS, B.ED., L.PH. (Dentology).
Bro. IRÉNÉE, B.SC. (Accounting).
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BRUNEAU, PAUL, M.SC., COM. (Verification).
LEBEL, PAUL, LL.L. (Commercial Law).

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Number of teachers: 1,267, including 149 professors.
Number of students: 6,196 men, 3,547 women, total 9,743.

INCORPORATED COLLEGES:

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Vice-Principal: H. G. DION, B.SC., PH.D.

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BAUDOUIN, LOUIS, Docteur en Droit, ès-Sciences Juridiques et ès-Sciences Politiques (Civil Law).
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POUNDER, E. R., B.SC., PH.D. (Physics).
PURVES, C. B., B.SC., PH.D., D.SC. (Industrial and Cellulose Chemistry).
QUASTEL, JUDA H., PH.D., D.SC., F.R.I.C., F.R.S. (Biochemistry)
RASMUSSEN, T. B., B.S., B.M., M.S. (Neurology).
REED, R. W., M.A., M.D.C.M. (Bacteriology).
REISS, H. S., B.A., PH.D. (German).
ROBERTSON, H. R., B.SC., M.D.C.M., D.C.L., F.R.C.S.(E.), F.R.A.S.(C.), F.A.C.S. (Surgery).
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ROSS, VERNON, M.A., B.S. (Library School).
ROWLES, W., M.SC., PH.D. (Agricultural Physics).
SACKSTON, W. E., B.S.A., M.SC., PH.D. (Entomology).
SCHWERDTFEGER, H. W. E., D.PHIL., M.A. (Mathematics).
SCOTT, F. R., B.A., B.LITT., B.C.L., F.R.S.C. (Civil Law).
SMITH, WILFRED C., B.A., PH.D. (Comparative Religion).
SOLIN, C. D., M.A., PH.D. (Mathematics).
SPENCE-SALES, H. J., B.A., DIP. in ARCH. (Architecture).
STANLEY, Dr. JOHN, M.A., PH.D. (Zoology).
STEPPLER, H. A., M.SC., PH.D. (Agronomy).
STEVENSON, J. S., B.A., B.APP.SC., PH.D., F.M.S.A., F.G.S.A., F.R.S.C. (Geological Sciences).
STEVENSON, J. W., M.D.C.M. (Bacteriology).
STEVENSON, L. G., B.A., M.D., PH.D. (Medicine).
TATE, HERBERT, B.SC., M.A. (Mathematics).
THOMSON, D. L., M.A., PH.D., LL.D., F.C.I.C., F.R.S.C. (Biochemistry).
VENNING, ELEANOR H., B.A., M.S.C., PH.D. (Medicine).
VIVIAN, R. P., M.D. (Health and Social Medicine).
WALKER, R. S., M.A. (English).
WALLACE, PHILIP R., M.A., PH.D. (Mathematics).
WALSH, H. H., M.A., B.D., PH.D. (Divinity).
WARD, G. T., B.SC., PH.D. (Engineering).
WEBSTER, D. R., O.B.E., B.A., M.D., C.M., M.SC., PH.D., F.R.C.S.(C.) (Surgery).
WEBSTER, E. C., M.A., PH.D. (Applied Psychology).
WELDON, J. C., B.A., PH.D. (Economics).
WESTLEY, W., M.A., PH.D. (Sociology).
WILSON, C. M., B.SC., M.A., PH.D. (Botany).
WINKLER, C. A., O.B.E., M.SC., D.PHIL., PH.D., F.C.I.C., F.R.S.C. (Chemistry).
WITTKOWER, E. D., M.D., L.R.C.P., L.R.C.S. (Psychiatry).
WOODS, H. D., M.A. (Commerce and Industrial Relations).
WOONTON, G. A., M.A., F.I.R.E., F.R.S.C. (Physics).
YAFFE, LEO, M.SC., PH.D. (Chemistry).
YATES, H. H., B.SC., PH.D. (Metallurgical Engineering).

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Diocesan College of Montreal: 3473 University Street, Montreal, P.Q.
Principal: Rev. E. G. JAY, B.A., M.A., B.D., S.T.M., PH.D.

Presbyterian College: 3690 Peel Street, Montreal, P.Q.
Principal: Rev. R. LENNOX, M.A., TH.B., D.D.

United Theological College: 3508 University Street, Montreal, Quebec; f. 1926, uniting the Congregational College of Canada (f. 1864), and the Wesleyan College (f. 1879).
Principal: Rev. G. JOHNSTON, M.A., B.D., PH.D.

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Librarian: MARGET H. C. MEIKLEHAM, B.A., M.A.L.S.
Registrar: C. W. H. LINTON, B.A.

Number of teachers: 165, including 35 professors.
Number of students: 1,471 men, 529 women, total 2,000.

Publications: *The Silhouette* (weekly), *The Muse* (quarterly), *The Marmor* (annually) (student editors).

DEANS:

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Faculty of Science: R. P. GRAHAM, M.A., A.M., PH.D., F.C.I.C.
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PROFESSORS:

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ARMSTRONG, H. S., M.A., PH.D., F.R.S.C. (Geology).
BANASCHEWSKI, B., M.A., PH.D. (Mathematics).
BANKIER, J. D., M.A., PH.D. (Mathematics).
BOURNS, A. N., B.SC., PH.D. (Organic Chemistry).
DUCKWORTH, H. E., B.A., B.SC., PH.D., F.R.S.C. (Physics).
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GILLESPIE, R. J., PH.D., D.SC. (Chemistry).
GLADWIN, A. S., B.SC., PH.D. (Electrical Engineering).
GRAHAM, J. E. L., M.A., B.LITT. (Political Economy).
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HODGINS, J. W., B.A.SC., PH.D., F.C.I.C. (Chemical Engineering).
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JAIMET, C. H., M.D., F.R.C.P.(C), F.A.C.P. (Nuclear Medicine).
JOHNS, M. W., M.A., PH.D. (Physics).
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Number of teachers: 749: 450 full-time, 299 part-time, including 88 professors.

Number of students: 4,173 men, 1,314 women, total 5,487.

Publications: *Calendar, Announcements, Syllabus of Schools*, etc.

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Graduate Studies and Research: W. H. MCEWEN, M.SC., M.A., PH.D.

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BLACK, ELINOR, M.D., F.R.C.S.(C.), F.R.C.O.G., F.A.C.S. (Obstetrics and Gynæcology).
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LEDERMAN, J. M., B.SC., M.D. (Pathology).
MACPHERSON, R. A., M.D., C.M., F.A.C.R. (Radiology).
MEDOVY, H., B.A., M.D. (Pædiatrics).
NICKERSON, M., M.D., A.B., SC.M., PH.D. (Physiology and Medical Research).
SISLER, G. C., M.D. (Psychiatry).
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WILT, J. C., M.D., M.SC. (Bacteriology).

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HARLAND, JOAN M., B.ARCH., M.A., A.T.C.M., M.I.D.I.M. (Interior Design).
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RIDDELL, W. F., B.SC.(C.E.), M.SC.(C.E.), M.E.I.C. (Civil Engineering).
RUSSELL, J. A., B.SC.ARCH., M.ARCH., M.A.I.A., F.R.A.I.C. (Architecture and Interior Design).
SELLORS, R., B.ARCH., F.R.A.I.C. (Architecture).

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BROWN, JOHN M., B.A., B.ED., M.ED., ED.D. (Education).

School of Nursing

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AFFILIATED COLLEGES:

St. Boniface College: St. Boniface (Roman Catholic Church).
Rector: Very Rev. GUY FORTIER, S.J., B.A., M.SC., D.SC.
Number of students: 103 men, 28 women, total 131.

St. John's College: Winnipeg (Anglican Church).
Warden: Rev. C. C. LANDON, M.A., B.D., PH.D.
Number of teachers: 30, including 3 Professors.
Number of students: 166 men, 131 women, total 297.

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United College: Winnipeg; United Church of Canada.
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Registrar: A. G. BEDFORD, M.A., PH.D.
Library: 65,000 vols.
Number of teachers: 75, including 12 professors.
Number of students: 1,094 men, 558 women, total 1,652.

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Collegiate: LORNE A. TOMLINSON, B.SC.

St. Paul's College: Winnipeg (Roman Catholic Church).
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Number of teachers: 20.
Number of students: 280 men, 168 women, total 448.

Brandon College: Brandon.
President: J. E. ROBBINS, B.A., PH.D., LL.D.
Dean of Arts and Science: H. S. PERDUE, M.A., PH.D.
Dean of Education: W. W. MCCUTCHEON, B.SC., M.S.A., ED.D.
Number of teachers 52.
Number of students: 195 men, 97 women, total 292.

Manitoba Law School: Winnipeg.
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Number of teachers: 20.
Number of students: 117 men, 8 women, total 125.

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President and Vice-Chancellor: RAYMOND GUSHUE, C.B.E., Q.C., LL.B., D.C.N.L., LL.D.
Registrar: H. T. RENOUF, J.P., F.C.I.S.
Bursar: DONALD C. BARTER.
Number of teachers: 101, including 19 professors.
Number of students: 2,007.

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Director of Public Relations and Assistant to the Rector: ANDRÉ BACHAND, M.S., L.SC.COM., LL.L.
Registrar: CLAUDE SAINT-ARNAUD, L.SC.PHYS., M.SC., PH.D.
Number of teachers: 2,702.
Number of students: 23,405 full-time and part-time.
Publications: *L'Ingénieur, L'Actualité économique, L'Action universitaire, Annuaire Général et Annuaires des facultés écoles, La Revue trimestrielle Canadienne, La Revue Medicale, La Revue de biologie, Contribution à l'étude des sciences de l'homme, Etudes slaves et est-eurpéennes, Revue de Conjoncture.*

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Faculty of Medicine: LUCIEN-L. COUTU, M.D.
Faculty of Philosophy: Very Rev. LOUIS LACHANCE, O.P., D.PH., S.TH.M.
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PANISSET, MAURICE, D.V., (Microbiology, Immunology and Serology).
PLANTE, LUCIEN, L.PED., L.SC.S., M.A., M.H.P. (Health Education).
SYLVESTRE, J.-ERNEST, M.D., D.H.P. (Nutrition).
TOURANGEAU, FERDINAND, M.D., D.H.P., C.H.P. (Industrial Hygiene—Medical).
VALOIS, ANTOINE-B., M.D., M.H.P. (Biometry).

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Faculty of Music:

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Faculty of Nursing:

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AFFILIATED BODIES:

Agricultural Institute at Oka: f. 1893.
Director: Rev. Father NORBERT, O.C.S.O., L.S.A.

Ecole des hautes études commerciales: f. 1907.
Director: Prof. R. CHARBONNEAU, L.SC.COM., C.A.

Ecole normale secondaire: f. 1941.
Director: Rev. GEORGES PERRAS, P.S.S.

Ecole polytechnique: f. 1873.
Director: HENRI GAUDEFROY, B.SC.A., B.S., I.C., I.E.

Institut de pédagogie familiale: f. 1943.
Director: Rev. Sister MARIE THEODORE DE LA CROIX.

Institut Marguerite d'Youville: f. 1934.
Director: Rev. Sister DENISE LEFEBVRE, S.G.M.

Institut pédagogique (C.N.D.).
Director: Rev. Sister STE.MADELEINE-DU-SACRÉ-COEUR.

Institut pédagogique St. Georges: f. 1929.
Director: Rev. Brother CHARLES, E.C., M.SC.ED., D.PED.

Institut supérieur d'administration hospitalière: f. 1956; annexed to the School of Hygiene.
Director: GILBERT BLAIN, M.D.

Institute of Dietetics and Nutrition: annexed to the Faculty of Medicine.
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Institute of Experimental Medicine and Surgery: annexed to the Faculty of Medicine.
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School of Rehabilitation: annexed to the Faculty of Medicine.
Director: GUSTAVE E. GINGRAS, M.D.

Veterinary Medical School at Saint Hyacinthe: f. 1886.
Director: JOSEPH DUFRESNE, B.S.A., D.M.V., D.V.P.H.

MOUNT ALLISON UNIVERSITY

SACKVILLE, NEW BRUNSWICK

Telephone: 536-0382 Telegraphic Address: Mt. Allison

Founded 1840

Chancellor: RALPH PICKARD BELL, O.B.E., B.A., D.C.L.
President: LAURENCE HAROLD CRAGG, M.A., PH.D., F.C.I.C.
Vice-President and Faculty Dean: WILLIAM STANLEY HAYES CRAWFORD, M.A., PH.D.
Registrar: DONALD ALEXANDER CAMERON, B.SC.
Librarian: LAURIE MACCALLUM ALLISON, B.A., B.L.S.

Number of teachers: 85, including 23 professors.
Number of students: 1,225.

Publications: *Science and Society, Canadian Politics* and *French Canada Today, The Commonwealth Today, Canada, The Commonwealth and the Common Market, Canada and the West Indies Federation.*

DEANS:

Dean of Men: DAVID MCAREL MALAULAY, B.A., B.S.W.
Dean of Women: MRS. GENEVE FORBES.

PROFESSORS:

BARCLAY, L. R. C., M.SC., PH.D. (Chemistry).
BAXTER, C. A., M.A., PH.D. (Philosophy).
BOORNE, R. A., B.A.SC. (Engineering).
BROWN, HOWARD, B.A., M.A., MUS.B., (Music).
CRAKE, J. E. A., M.A., PH.D. (Classics).
CRAWFORD, D. P., M.SC., PH.D. (Physics).
CRAWFORD, W. S. H., M.A., PH.D. (Mathematics).
CUNNINGHAM, W. B., M.A., PH.D. (Economics).
CUTHBERTSON, A. C., M.SC., PH.D. (Chemistry).
DUCHEMIN, LLOYD, M.A., PH.D. (English).
EBBUTT, ARTHUR J., B.A., B.D., D.TH., D.D. (Religion).
HARRIS, LAWREN, A.R.C.A., O.S.A. (Fine Arts).
LOCKWOOD, P. A., M.A. (History).
MACBETH, ALLAN, M.A. (French).
MACGREGOR, D. G., M.A., D.SC. (Physics).
MACLAUCHLAN, D. W. B.SC., PH.D. (Chemistry).
MACRAE, C. F., M.A., PH.D. (English).
NOBLE, W. J., B.SC., M.SC., M.A., PH.D. (Physics).
RUNCIMAN, DORIS, M.A., B.S. (Home Economics).
SOUTHAM, H. D., M.A., D.PAED. (Education).
STALLWORTHY, W. B., B.A., PH.D. (Biology).
TUCK, JAMES, M.A., PH.D. (Psychology).
WILLIAMSON, D. H., B.SC., PH.D., F.G.S. (Geology).

UNIVERSITY OF NEW BRUNSWICK

FREDERICTON, NEW BRUNSWICK

Telephone: Granite 5-9471
Telegraphic Address: UNB Fredericton

Established 1785

Chancellor: Rt. Hon. Lord BEAVERBROOK, P.C., LL.D., D.LITT.
President and Vice-Chancellor: COLIN B. MACKAY, Q.C., B.A., LL.B., D.C.L., LL.D.
Vice-President (Academic): FRANCIS J. TOOLE, B.SC., M.SC., PH.D.
Vice-President (Administration): BEVERLEY F. MACAULAY, B.SC.
Comptroller: C. L. MAHAN.
Registrar: EDITH G. MCLEOD, B.A.
Librarian: GERTRUDE E. GUNN, B.A., M.A., M.SC., PH.D.

Number of teachers: 177, including 39 professors.
Number of students (1962-63): 2,367.

DEANS:

Faculty of Arts: A. G. BAILEY, M.A., PH.D., F.R.S.C.
Faculty of Education: R. J. LOVE, B.A., M.A., B.PAED.
Faculty of Engineering: JAMES O. DINEEN, M.SC.
Faculty of Forestry: JOHN W. KER, B.A.SC., M.F., D.FOR.
Faculty of Science: C. W. ARGUE, C.B.E., B.A., B.S.A., M.SC., D.SC.
Faculty of Law: W. F. RYAN, Q.C., B.C.L., LL.M.
School of Graduate Studies: W. C. DESMOND PACEY, B.A., PH.D., F.R.S.C.
School of Nursing: KATHERINE E. MACLAGGAN, B.N., M.A. (*Director*).

PROFESSORS:

ARGUE, C. W., C.B.E., B.A., B.S.A., M.SC., D.SC. (Biology).
BAILEY, ALFRED G., B.A., M.A., PH.D. (History).
BOONE, ALLAN E., B.SC., M.A. (Physics).
BROWN, N. RAE, M.A. (Forest Entomology).
CATTLEY, ROBERT E. D., M.A. (Classics and Ancient History).
DINEEN, JAMES O., M.SC. (Electrical Engineering).
EDWARDS, LEONARD P., M.A. (Mathematics).
GALLOWAY, DAVID R., M.C., M.A. (English).
HERISSON, C. D., M.A. (French).
HUBENER, JEAN I., DR.PHIL. (German).
KER, JOHN W., B.A.SC., M.F., D.FOR. (Forestry).
LONG, H. DOUGLAS, B.SC. (Silviculture).
LOVE, ROBERT J., M.A., B.PAED. (Education).
MCANDREW, W. ALLAN G., B.A., D. de l'Univ. de Paris (Romance Languages).
MCALLISTER, GEORGE A., M.A., B.C.L., LL.M. (Law).
MACLAGGAN, KATHERINE E., B.N., M.A. (Nursing).
MCNUTT, W. S., M.A. (History).
MAHER, EDWARD D., M.B.A. (Business Administration).
PACEY, DESMOND, PH.D. (English).
ROSENBERG, REUBEN L., PH.D. (Mathematics).
RYAN, W. F., B.C.L., LL.M. (Law).
SEARS, J. W., B.A., B.C.L., LL.D. (Law).
SEHEULT, LOUIS R., M.SC.F. (Logging).
SHEMILT, L. W., B.A.SC., M.SC., PH.D. (Chemical Engineering).
SMITH, WILLIAM Y., M.A. (Economics and Political Science).
SNODGRASS, FLORENCE T., PH.D. (Psychology).
STEWART, WILLIAM F. M., M.A., PH.D. (Philosophy).
TOOLE, F. J., M.SC., PH.D. (Chemistry).
WEISNER, LOUIS, PH.D. (Mathematics).
WHEATLEY, ERIC E., B.SC., M.SC. (Mechanical Engineering).
WIESNER, KAREL, D.SC. (Organic Chemistry).

NOVA SCOTIA AGRICULTURAL COLLEGE

TRURO, NOVA SCOTIA

Telephone: Truro 893-4467

(Under the direction of the Nova Scotia Department of Agriculture and Marketing)

Principal: KENNETH COX, M.S.A.
Vice-Principal: J. EDWARD SHUH, M.SC.
Registrar: PARKER COX, M.A.
Librarian: I. M. FRASER, B.SC.

Library of 5,000 vols. (approx.).
Number of teachers: 31.
Number of students: 164.

HEADS OF DIVISIONS:

Agronomy: J. E. SHUH, M.SC.
Agricultural Engineering: D. C. MILLIGAN, B.SC.(AGRIC.).
Animal Husbandry: S. L. CURTIS, PH.D.
Botany: A. E. ROLAND, PH.D.
Chemistry: G. R. SMITH, PH.D.

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Economics: W. V. GRANT, M.SC.
English: PARKER COX, M.A.
Entomology-Zoology: M. E. NEARY, B.SC.(AGRIC.).
Horticulture: G. B. KINSMAN, M.SC.
Mathematics-Physics: I. M. FRASER, B.SC.
Veterinary Science: A. R. MAIN, D.V.M.

NOVA SCOTIA TECHNICAL COLLEGE

HALIFAX, NOVA SCOTIA

Telephone: 422-9651

Founded 1907

Chairman of the Board of Governors: The Minister of Education of the Province of Nova Scotia.
President: Dr. G. W. HOLBROOK, B.SC., M.SC., PH.D., P.ENG.
Registrar: JAMES B. TERNAN, B.E., P.ENG.
Librarian: GEORGE L. YASHUR, A. B. SETON HALL, M.L.S., C.U.A.

Number of teachers: 35.
Number of students (1962-63): 393.
Publications: *Calendar, Annual Report.*

HEADS OF DEPARTMENTS:

Civil Engineering: Prof. G. G. MEYERHOF, M.SC., PH.D., D.SC., P.ENG.
Electrical Engineering: Prof. GEORGE H. BURCHILL, B.SC., D.ENG., P.ENG.
Mechanical Engineering: Prof. M. L. BAKER, B.SC., P.ENG.
Mining and Metallurgical Engineering: E. L. CAMERON, B.ENG., M.ENG., P.ENG.
Chemical Engineering: Prof. M. ROY FORAN, M.SC., PH.D., P.ENG.
School of Architecture: Prof. DOUGLAS SHADBOLT, B.ARCH., M.R.A.I.C.

OSGOODE HALL LAW SCHOOL

OSGOODE HALL, TORONTO 1, ONTARIO

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Founded 1889

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Deans Emeriti: JOHN D. FALCONBRIDGE, Q.C., M.A., LL.B., DOCTEUR EN DROIT, LL.D., BAR.-AT-LAW; CHARLES ERNEST SMALLEY-BAKER, Q.C., B.A., LL.B., M.A., LL.M., D.C.L., BAR.-AT-LAW.
Dean: HERBERT ALLAN BORDEN LEAL, Q.C., B.A., LL.M., LL.D., BAR.-AT-LAW.
Registrar: Miss LOUELLA M. STURDY, B.A.
Librarian: GEORGE A. JOHNSTON, Q.C., B.A., LL.B.

Number of teachers: 24.
Number of students: 420.
Publications: *Annual Osgoode Hall Law School Calendar, Osgoode Hall Law Journal, Obiter Dicta, Charta.*

PROFESSORS:

BAXTER, IAN FRANCIS GEORGE, M.A., LL.B., Barrister-at-Law (Family Law, Banking and International Commercial Transactions).
BLANCHARD, JOHN TIMMINS, LL.B., LL.M., Barrister-at-Law (Contracts, Equity).
CASTEL, JEAN GABRIEL, B.SC., LIC. EN DROIT, LL.B., S.J.D., Barrister-at-Law (Civil Law, Public International Law, Conflict of Laws).
FELTHAM, IVAN REID, B.A., LL.B., B.C.L., Barrister-at-Law (Commercial Transactions, Creditors' Rights, Sale of Goods).
GRAY, ROBERT JOHN STEVENS, B.A., LL.B., LL.M., Barrister-at-Law (Preparation of Legislation, Torts.).
LEAL, HERBERT ALLAN BORDEN, Q.C., B.A., LL.M., LL.D. Barrister-at- Law (Estate Planning).
MORTON, JOHN DESMOND, Q.C., M.A., LL.B., Barrister-at-Law (Criminology and Evidence).
MUNDELL, DAVID WALTER, Q.C., B.A., LL.B., B.C.L., Barrister-at-Law (Legislation, Administrative Law and Constitutional Law).
SPENCE, DONALD BURGESS, Q.C., M.A., LL.M., Barrister-at-Law (Company Law and Conflict of Laws).

UNIVERSITY OF OTTAWA

OTTAWA, ONTARIO

Telephone: Central 5-6751

Founded 1866

Chancellor: H.E. the Most Rev. M.-J. LEMIEUX, O.P., Archbishop of Ottawa.
Rector: Very Rev. HENRI LÉGARÉ, O.M.I., M.SOC.SC., D.SOC.SC., B.A.
Vice-Rectors: Rev. A. CARON, O.M.I., PH.D., S.T.D., J.C.D.; Rev. M. BÉLANGER, O.M.I., B.A., PH.L., S.T.D.
Registrar and Secretary-General: Rev. G. GAGNON, O.M.I., M.A., PH.L.
Treasurer: Rev. ANATOLE WALKER, O.M.I., B.A., L.PH., L.TH.
Councillors: Rev. JEAN MONCION, O.M.I., B.A.; RENÉ LAVIGNE, O.M.I., B.A., L.PH., B.TH.
Controller: Rev. L. THERRIEN, O.M.I., B.A.
Director of Dept. of Public Relations and Publicity: G. W. Boss, B.A.
Librarian: Rev. P.-E. DROUIN, O.M.I., M.A., PH.L., S.T.L., M.L.S.

Library, *see under* Libraries.
Number of teachers: 626 professors.
Number of students (1962-63): 4,156 full-time, 6,118 part-time, total 10,274.
Publications: *Revue de l'Université d'Ottawa* (quarterly), *University of Ottawa Teachers' College Yearbook, Medical Journal* (quarterly), Calendars of the several Faculties.

DEANS AND DIRECTORS:

Faculty of Medicine: J. J. LUSSIER, B.A., M.SC., PH.D., M.D.
Faculty of Theology: Rev. ROGER GUINDON, O.M.I., B.A., L.PH., D.TH.
Faculty of Civil Law: P. AZARD, LL.D., L. ÈS L.
Faculty of Canon Law: Rev. A. CARON, O.M.I., B.A., PH.D., S.T.D., J.C.D.
Faculty of Philosophy: Rev. J. CROTEAU, O.M.I., M.A., PH.D., S.T.L.
Faculty of Pure and Applied Science: L. P. DUGAL, O.B.E., B.A., M.ÈS SC., PH.D., M.S.R.C.
Faculty of Arts: Rev. R. LAVIGNE, O.M.I., B.A., PH.L., S.T.B.
Faculty of Social Sciences: JOSEPH QUIRION, O.M.I., B.A., B.COM., M.EC., L.PH.
Director of School of Psychology and Education: Rev. R. SHEVENELL, O.M.I., PH.D., PH.L., M.A.
Director of School of Nursing: Sister FRANÇOISE DE CHANTAL, S.G.C., B.SC.ED., M.SC.N.ED.
Principal of Teachers' College: Rev. L.-P. PIGEON, O.M.I., B.A., L.PH., L.TH., B.PAED., LIC. PAED.
Director of Library School: Rev. A. M. MORISSET, O.M.I., B.A., J.C.L., M.L.S.
Director of School of Social Welfare: Rev. S. BOWERS, O.M.I., B.A., M.SC.
Director of Catholic Centre: Rev. J. MONCION, O.M.I., B.A.
Director of Missionary Institute: Rev. J. E. CHAMPAGNE, O.M.I., M.A., PH.L., S.T.B., MISS.D.
Director of School of Home Economics: Rev. Sr. St. MARGUERITE DES VERTUS, M.SC.
Director of Dept. of Extension: Rev. GERARD FORCIER, O.M.I., M.A.

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PROFESSORS:

Faculty of Medicine:

ALLEN, D., M.D., C.M. (Ophthalmology).
AUER, J., M.D., D.SC. (Anatomy).
BEATTIE, W. G., M.D., F.R.C.S. (Surgery).
BEAULIEU, MAURICE, B.SC., M.SC., PH.D. (Bacteriology).
BÉLANGER, L. F., B.A., M.D., M.A., MED.SC. (Histology and Embryology).
BENOITON, N. LÉO, B.SC., M.SC., PH.D. (Biochemistry).
BERKMAN, FRANKLIN, M.D., C.M., M.SC., F.R.C.P. (Medicine).
BEZNAK, MAGARET, M.D. (Physiology).
BLAIR, W. ARTHUR, M.D., C.M. (Clinical Psychiatry).
BOHATIRCHUK, F., M.D., D.SC. (Anatomy).
BURKE, J. PETER, B.A., M.D. (Pathology).
CAMERON, T. W. M., T.D., M.A., D.SC., PH.D., F.R.S.C., M.R.C.V.S. (Parasitology).
CAMPBELL, J. S., B.SC., M.D., C.M. (Pathology).
CHALKE, F. C. R., M.D., M.SC.MED. (Psychiatry).
COLLINS, W. E., M.D., C.M., F.R.C.S., F.A.C.S., (Urology).
CONWAY, D. J., M.A., M.D., F.R.C.P., M.R.C.P. (Pædiatrics).
CÔTÉ, F., B.A., PH.L., M.D., M.S., F.R.C.S. (Surgery).
COUPAL, J. L., M.D. (Oto-Laryngology).
CURRAN, DANIEL D., M.B., B.CH., B.A.O., F.R.C.S. (Surgery).
DAY, J. J., B.A., M.D., C.M., D.P.H. (Preventive Medicine).
DE BELLEFEUILLE, PAUL, B.A., M.D. (Paediatrics).
DE SAINT-VICTOR, H., B.A., M.D. (Obstetrics).
D'IORIO, ANTOINE, B.SC., PH.D. (Biochemistry).
DON, C. J., M.B., B.S., M.R.C.P., F.F.R. (Radiology).
DOYLE, PHILIP E., B.A., B.SC., M.D., C.M., F.R.C.P. (Therapeutics).
DROUIN, J. P., B.A., B.SC., M.D., F.R.C.S., F.A.C.S. (Clinical Surgery).
EWING, J. B., M.D., C.M., F.R.C.S. (Eng. and Can.), F.A.C.S., F.I.C.S. (Surgery).
FIDLER, A., M.D. (Medicine).
FISHER, T. L., M.D., C.M., F.A.C.P. (Clinical Medicine).
FLORIAN, F., B.A., M.D. (Histology).
GIBBONS, R. J., M.A., M.D., D.P.H. (Bacteriology).
GILHOOLY, J. P., M.D., C.M. (Ophthalmology).
GUEST, W. A., M.D. (Medicine).
HEFFERMAN, ANGELA B., M.R.C.S., L.R.C.P. (Psychiatry).
HILL, DONALD P., M.D. (Pathology).
HILTON, J. H. B., M.D., C.M., F.R.C.P., F.A.C.P. (Clinical Medicine).
HURTIG, A., B.A., M.D. (Gynæcology).
IRWIN, GEORGE E., B.A., M.D., F.R.C.S. (Surgery).
KELLAM, HEWSON I. J., M.D., F.R.C.S., F.A.C.S. (Clinical Orthopaedics).
KENNEY, A. S., B.A., M.D. (Pædiatrics).
KINGMA, H., M.D. (Dermatology).
KLOTZ, MAX O., M.D. (Clinical Pathology).
LAW, D., M.D., C.M. (Anæsthesia).
LECOURS, A., B.A., M.D., F.A.C.S., F.R.C.S. (Clinical Surgery).
MAGNER, D., B.MED.SC., M.D. (Pathology).
MAINWOOD, G. W., PH.D. (Physiology).
MARCOUX, Rev. H., B.A., M.A., PH.D., S.T.L. (Ethics).
MAZURKIEWICZ, IRENA M., M.PHARM., M.SC., PH.D. (Pharmacology).
MESSORE, GIACOMO, M.D., PH.D. (Bacteriology).
MITCHELL, C. A., B.V.SC., D.V.M., F.R.S.C. (Bacteriology).
MITCHELL, R., M.A., M.R.C.V.S., M.B., CH.B. (Anatomy).
MURNAGHAN, M., M.B., B.CH., B.A.O., M.SC. (Pharmacology).
NANCEKIVELL, A. F., M.D., C.M. (Medicine).
NUYENS, A. J., M.D., D.SC. (Obstetrics and Gynæcology).
O'CONNELL, J. J., M.D., C.M. (Psychiatry).
PAIK, WOON KI, M.D., M.SC. (Biochemistry).
PATTON, JOHN O., M.D., C.M. (Clinical Pathology).
PETERSON, E., M.D., B.SC., F.R.C.S. (Neuro-Surgery).
POTVIN, L., B.A., M.D., F.R.C.P. (Clinical Medicine).
PUDDICOMBE, J. F., M.D. (Obstetrics).
PUSHMAN, DONALD R., M.D. (Clinical Psychiatry).
REA, D. HOMER, M.R.C.S., L.R.C.P., F.R.C.S., M.R.C.O.G., F.A.C.S. (Clinical Obstetrics and Gynaecology).
RICHARD, A. L., B.A., M.D. (Gynæcology).
ROBERTSON, PAUL A., B.PHARM., PH.D., A.R.I.C. (Physiology).
ROBICHON, J., B.A., M.D., M.SC., F.R.C.S. (Orthopædic Surgery).
ROUSSEL, L., B.A., M.D. (Medicine).
RYAN, M. T., M.SC., PH.D. (Biochemistry).
SAMIS, J. C., M.D. (Surgery).
SCOBIE, T. K., B.A., M.D., M.SC., D.SURG. (Surgery).
SHIRLEY, S. Y., M.D., F.R.C.S.CAN. (Ophthalmology).
SMILEY, R. K., B.A., C.M., F.R.C.P., M.D. (Medicine).
STERN, K., M.D. (Psychiatry).
SZABO, JANOS, M.D. (Anatomy).
SZYRYNSKI, V., M.D., PH.D., F.B.PS.S., F.R.C.P. (Psychiatry).
WHYTE, J. C., M.D., F.R.C.S. (Obstetrics).
WILLIAMSON, GEORGE S., M.D., F.R.C.P., F.A.A.D. (Clinical Dermatology).
WILSON, K. E., M.D. (Surgery).
ZNAMIROWSKI, R., M.B., CH.B., B.SC. (Bacteriology).

Faculty of Theology:

BELLEMARE, Rev. R., O.M.I., B.A., PH.L., S.T.D.
BOUDENS, Rev. R., O.M.I., D.H.
CARON, Rev. V., O.M.I., B.A., M.A., PH.D., S.T.D.
CORNELLIER, PHILIPPE, O.M.I., D.PH., D.TH.
COURNOYER, BRUNO, O.M.I., B.A., L.PH., B.TH.
D'ARAGON, Rev. W. A., S.J., L.ECR.S., S.T.L.
GARCEAU, BENOIT, O.M.I., B.A., L.PH., L.TH.
GERVAIS, Rev. J., O.M.I., PH.L., S.T.D.
GIGUERE, Rev. A., O.M.I., B.A., PH.L., S.T.L.
GOUDREAULT, Rev. H., O.M.I., B.A., PH.L., S.T.L.
GUINDON, Rev. R., O.M.I., B.A., PH.L., S.T.L.
HUDON, Rev. G., O.M.I., B.A., S.T.D.
JETTÉ, Rev. F., O.M.I., M.A., PH.L., S.T.D.
JOPPOLO, Rev. A., O.M.I., PH.D., S.T.L.
LABERGE, Rev. L., O.M.I., PH.L., S.T.L.
LAMIRANDE, Rev. E., O.M.I., M.A., PH.L., S.T.L.
LEMARIER, Rev. J. G., O.M.I., B.A., PH.L., S.T.L.
LESAGE, Rev. G., O.M.I., M.A., PH.D., SOC.SC.D., J.C.D., D.LIT., S.T.D.
MARCOTTE, Rev. E., O.M.I., M.A., PH.L., S.T.D.
MOLESKI, Rev. L., O.M.I., B.A., PH.B., S.T.B.
PAGANO, Rev. S., O.M.I., S.T.D., S.S.L., PH.D.
VEZINA, Rev. L. P., O.M.I., B.A., PH.L., S.T.L., J.C.L.

Faculty of Law:

AZARD, P., LL.D., L. ÈS L.
BERGERON, V., B.A., LL.L. (Civil Law).
BOLAND, J. C. D., B.A. (Taxation).
CHEVALIER, F., B.A., LL.B. (Civil Law).
COLE, C., B.A., LL.B., LL.M. (Legal History).
COUTU, J. C., B.A., LL.L. (Civil Law).
DUMOULIN, J., B.A., LL.L. (Civil Law).
FEENEY, T. G., B.A., LL.B.
FRENETTE, O., B.A., B.C.L., LL.D. (Civil Law).
GALLIGAN, P., B.A. (Criminal Law).
HAMBLING, D., of the Bar of Ontario (Municipal Law).
HENDRY, J. McL., B.A., LL.B., LL.M., S.J.D.
IPPOLITTO, B., LL.D. (Civil Law).
LALONDE, M., B.A., LL.L.B.A.(PHIL., POL.ECON) (Commercial Law).
MALTAIS, P., B.A., LL.L. (Civil Law).
PHARAND, D., LL.B., LL.M., LL.D. (International Law).
READ, J. E., Q.C., B.A., LL.D., B.C.L., L.C.L. (Constitutional Law).
RYAN, JOHN L., B.A., B.C.L.
TACHE, A., B.A., LL.L., LL.D. (Civil Law).
THORSON, D. S., B.A. (Legislation and Administrative Law).
TOUPIN, L., B.A., LL.L. (Commercial Law).

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VANDERWATER, S. L., M.D., F.R.C.P.(C) (Anaesthesia).
WAUGH, D. O., M.D.C.M., M.SC., PH.D. (Pathology).
WHITE, D. N., M.A., M.D., M.R.C.P., F.R.C.P.(C), F.A.C.P. (Neurology).
WILSON, D. L., M.A., M.D.C.M., F.R.C.O.(C) (Medicine).

Faculty of Law:
LEDERMAN, W. R., Q.C., B.A., LL.B., B.C.L.
RYAN, H. R. S., Q.C., B.A.

AFFILIATED COLLEGE:

Queen's Theological College: f. 1841.

Principal: Rev. E. ANDREWS, M.A., B.D., PH.D., D.LITT.
Number of students: 50.

ROYAL MILITARY COLLEGE OF CANADA

KINGSTON, ONTARIO

Telephone: 542-2841

Founded 1876

President: THE MINISTER OF NATIONAL DEFENCE.
Commandant: Brigadier G. H. SPENCER, O.B.E., C.B., B.SC., A.D.C.
Vice-Commandant and Director of Studies: Col. WILLIAM REGINALD SAWYER, O.B.E., M.SC., PH.D., LL.D., F.C.I.C.
Registrar and Secretary of the Faculty: Lt.-Col. THOMAS FRASER GELLEY, M.A., LL.D.
Librarian: JOHN WHEELOCK SPURR, B.A., B.ED.

Library: 85,000 vols.
Number of teachers: 90.
Number of cadets: 462.

CHAIRMEN OF DIVISIONS:

Graduate Studies: J. R. DACEY, M.B.E., M.SC., PH.D., F.C.I.C.
Arts: G. F. G. STANLEY, M.A., B.LITT., D.PHIL., F.R.HIST.S., F.R.S.C.
Science: T. S. HUTCHINSON, B.SC., PH.D., F.INST.P.
Engineering: J. W. DOLPHIN, B.A.SC., M.SC., (C.E.).

SAINT DUNSTAN'S UNIVERSITY

CHARLOTTETOWN, PRINCE EDWARD ISLAND

Telephone: 892-1248

Founded 1855

Chancellor: Most Rev. MALCOLM A. MACEACHERN, D.D., PH.D., Bishop of Charlottetown.
President: Very Rev. G. A. MACDONALD, M.SC.
Dean of Men: Rev. L. W. LANDRIGAN, B.A.
Registrar: MICHAEL HENNESSEY, B.A., B.ED.
Librarian: Rev. A. F. MACDONALD, B.L.S., B.A.

Number of professors: 36.
Number of students (1962-63): 652.

PROFESSORS:

ARSENAULT, Rev. ADRIAN, B.A. (French).
BOLGER, Rev. FRANCIS, PH.D. (History).
CAMERON, Rev. FRANCIS, B.A. (Mathematics).
CASS, Rev. FREDERICK L., B.SC. (Chemistry).
CHEVERIE, Rev. CHARLES, PH.D. (Biology).
DUFFY, Rev. REGIS, PH.D. (Chemistry).
ELLSWORTH, Rev. RICHARD G., M.SC., D.D. (Biology).
GREEN, JOHN E., M.S.W. (Philosophy).
KELLY, Rev. JAMES, M.A. (Latin).
LANDRIGAN, Rev. LAWRENCE, B.A. (Philosophy).
LEDWELL, Rev. FRANCIS J., B.A. (English).
LOUIS MARIE, Sister, C.S.M., B.SC.(H.E.) (Home Economics).
MACDONALD, Rev. ALLAN F., M.A., B.L.S. (History).
MACDONALD, Rev. CHARLES, B.E., M.SC.(ENG.) (Physics).
MACDONALD, Rev. GEORGE A., M.SC. (Physics).
MCGUIGAN, Rev. WALTER J., M.A. (History).
MACINNIS, P., PH.D. (Philosophy).
MACINTYRE, Rev. WENDELL, M.A. (English).
MACLELLAN, Rev. THOMAS M., M.A., S.T.L., PH.D. (Philosophy).
MACPHEE, RAYMOND J., B.ENG. (Engineering).
MARY IDA, Sister, C.S.M., M.A. (Education).
MURAWSKI, R. J., M.SC. (Mathematics).
MURNAGHAN, Rev. V. G., M.COM (Commerce).
MURPHY, J. CLARENCE, PH.D. (Sociology and Economics).
O'GRADY, BRENDAN A., PH.D. (English).
PINEAU, Rev. J. WILFRED, M.A. (French).
ROCHE, Rev. EDMUND, M.SC. (Mathematics).
SHARKEY, Rev. OWEN, PH.D. (Education).
STEWART, CLIVE, B.E. (Geology).
THOMAS MARIE, Sister, C.S.M., B.A. (Secretarial Studies).

SAINT FRANCIS XAVIER UNIVERSITY

ANTIGONISH, NOVA SCOTIA

Telephone: 863-3300

Founded 1853

Chancellor: Most Rev. WILLIAM E. POWER, D.D.
President: Rt. Rev. H. J. SOMERS, PH.D., F.R.H.S.
Executive Vice-President: Very Rev. C. H. BAUER, B.A., C.S.
Vice-President and Director of Coady International Institute: Very Rev. F. J. SMYTH, C.S.
Vice-President and Director of University Extension: Rev. J. N. MACNEIL, J.C.D.
Registrar: Rev. W. X. EDWARDS, B.A.
Bursar: Rev. JOHN V. CAMPBELL.

Number of teachers: 105, including 19 professors.
Number of students (1962-63): 1,424.

Publications: *Xaverian Weekly, St. Francis Xavier Yearbook, Alumni News.*

DEANS:

Dean of Arts: Rev. D. F. CAMPBELL, PH.D.
Dean of Science: JOHN J. MACDONALD, PH.D.
Dean of Men: Rev. GEORGE KEHOE.
Director of Religious Affairs: Rev. HAROLD GARDINER.

FULL PROFESSORS:

BANNON, Rev. R. V., M.A. (English).
BAUER, Rev. C. H., B.A. (German).
CHIASSON, L. P., PH.D. (Biology).
CLARKE, Rev. E. C., PH.D. (Physics).
FOGARTY, Rev. W., B.SC. (Engineering).
FOLEY, W. T., PH.D. (Chemistry).
KEATING, B. J., PH.D. (Geology).
MACDONALD, Rev. C. R., PH.L. (Philosophy).
MACDONALD, JOHN J., PH.D. (Chemistry).
MACDONELL, Rev. M., M.A. (History).
MCKENNA, Rev. L. G., M.A. (Mathematics).
MACLEAN, C., PH.D. (French).
MACNEIL, D. J., PH.D. (Geology).
POWER, Rev. GERALD, PH.D. (Classics).
ST. CATHERINE MAUREEN, M.S. (Home Economics).

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ST. MARY DONALD, Sister, M.A. (Commerce).
ST. MICHAEL OF THE EUCHARIST, M.MUS. (Music).
ST. VERONICA, Sister, M.A. (History).
SOMERS, Rt. Rev. HUGH J., PH.D. (History).

SAINT JOSEPH'S UNIVERSITY

ST. JOSEPH, NEW BRUNSWICK

Telephone: Exchange 8-2511

Founded 1864

President: Rev. C. CORMIER, LL.D., PH.D., S.TH.L

This University, originally founded as St. Joseph's College in 1864, is now organised in two separate colleges, as follows:

College of Arts: St. Joseph, New Brunswick; f. 1864.

Superior: Rev. R. LAVOIE.
Vice-President: Rev. L. GAUDET, LL.L.
Dean of Studies and Registrar: Rev. ROLAND E. SOUCIE.

Number of students: 460.
Number of professors: 42.

DEANS:

Studies and Latin: Rev. L. GAUDET, LL.L.
Mathematics and Sciences: Rev. P. BOURQUE.
French: Rev. M. CHAMARD, LL.L.
English: Rev. J. MACDONALD.

PROFESSORS:

BLANCHARD, Rev. T. (Astronomy, Latin, French).
CADIEUX, J. (Accounting).
DESJARDINS, Rev. R. L. (Guidance).
DIONNE, Rev. R. (Physics).
GAUDET, Rev. L. (French).
KINGSTON, Rev. L. (Latin, English).
LEBLANC, R. (Mathematics).
MACDONALD, Rev. J. (Classics, English).
PURCELL, Rev. W. (Latin).
SOUCIE, Rev. R. E. (Classics, Mathematics).
SOUCY, A. (English).
WAUGH, Rev. O. (Latin, English).

College of Sciences, Commerce, Civil Engineering, Education: 80 Church Street, Moncton, N.B.; f. 1953.

Superior: Rev. L.-M. DAIGLE, L.PH.
Vice-President and Dean of Studies: Rev. R. ROSSIGNOL.

Number of professors: 12.
Number of students: 120.

DEANS:

Studies: Rev. J. B. CORMIER, L.SC.
Commerce: Rev. O. FERGUSON, L.SC.COM.
Education: Rev. R.-L. DESJARDINS, C.S.C., B.A., M.PED., L.O.P.

PROFESSORS:

CADIEUX, JEAN (Commerce).
CORMIER, Rev. CLEMENT (Education, Philosophy).
CORMIER, Rev. J. B. (Sciences, Mathematics).
DESJARDINS, Rev. R. (Education).
FERGUSON, Rev. O. (Commerce).
M-ALBINA, Rev. Mother (English).
ROSSIGNOL, Rev. R. (Sciences, Mathematics).
TAILLON, Rev. LEOPOLD (Education, Commerce).
TEASDALE, R. (French).
YOUNG, A. (Finance).

SAINT MARY'S UNIVERSITY

HALIFAX, NOVA SCOTIA

Telephone: 2-6421

Founded 1841

Chancellor: Most Rev. J. GERALD BERRY, D.D., S.D.L., M.SC.
President: Very Rev. C. J. FISCHER, S.J.
Vice-Rector: Rev. E. M. BROWN, S.J.
Registrar: Mrs. SARA JUDD.

Number of teachers: 50.
Number of students: 656 (full-time); 302 (part-time).
Publications: *Calendar, Journal.*

DEANS:

Dean of Studies: Rev. W. A. STEWART, S.J.
Dean of Men: Rev. J. J. HENNESSEY, S.J.
Faculty of Arts: Rev. W. A. STEWART, S.J.
Faculty of Commerce: H. G. BEAZLEY, B.COMM.
Faculty of Education: Rev. DANIEL FOGARTY, S.J.
Faculty of Engineering: J. L. RYAN, B.E.
Faculty of Science: Rev. W. A. STEWART, S.L.

UNIVERSITY OF SASKATCHEWAN

SASKATOON, SASKATCHEWAN

Telephone: 242-7671

Founded 1907

Chancellor: The Hon. Mr. Justice E. M. CULLITON, B.A., LL.B., D.C.L.
President: J. W. T. SPINKS, M.B.E., B.SC., PH.D., D.SC., LL.D., F.R.S.C.
Vice-President (Academic): J. F. LEDDY, M.A., B.LITT., D.LITT., D.PHIL., D. ès L., LL.D., D.C.L.
Vice-President (Administration): A. C. MCEOWN, B.SC.
Principal, Regina Campus: W. A. RIDDELL, B.A., B.SC., M.SC., PH.D.
Controller: J. A. PRINGLE, B.ACC.
Registrar: N. K. CRAM, B.A., B.ED.

Number of teachers: 486, including 94 professors.
Number of students (1962-63): 4,811 men, 1,899 women, total 6,710 (full-time).

DEANS:

Faculty of Agriculture: V. E. GRAHAM, B.S.A., M.S., PH.D.
Faculty of Arts and Science: J. F. LEDDY, M.A., B.LITT., D.LITT., D.PHIL., D. ès L., LL.D., D.C.L.
Faculty of Commerce: T. H. MCLEOD, A.M., M.P.A., PH.D.
Faculty of Education: J. B. KIRKPATRICK, B.A., M.ED., ED.D.
Faculty of Engineering: A. D. BOOTH, B.SC., PH.D., D.SC.
Faculty of Graduate Studies: B. W. CURRIE, M.SC., PH.D., F.R.S.C.
Faculty of Home Economics: HOPE H. HUNT, B.A., M.SC., PH.D.
Faculty of Law: O. E. LANG, B.A., LL.B., B.C.L.
Faculty of Medicine: R. W. BEGG, B.SC., M.SC., M.D., C.N., D.PHIL.
Faculty of Pharmacy: W. C. MACAULAY, B.S.P., M.S., D.PHARM.
Faculty of Arts and Science, Regina Campus: W. A. RIDDELL, B.A., B.SC., M.SC., PH.D.

PROFESSORS:

ABRAMSON, E. J., M.A. (Sociology).
ADAMS, J. W., M.D. (Pathology).
ADASKIN, M. (Music).
ALTSCHUL, R., M.U.DR. (Anatomy).
ANDRUSYSHEN, C. H., M.A., PH.D. (Slavonic Studies).
ANSTENSEN, A., M.B.E., M.A., PH.D. (German).
ARNASON, T. J., M.SC., PH.D. (Biology).
BAILEY, A. A., M.S., M.D. (Medicine).
BAKER, H. R., B.S.A., M.S., PH.D. (Extension Services).
BELL, J. M., B.S.A., M.SC., PH.D. (Animal Science).
BLUM, R., PH.D. (Mathematics).
BROWN, A. B., M.D., C.M., F.R.C.S. (Obstetrics and Gynæcology).
BUCKLEY, K. A. H., M.A., PH.D. (Economics).

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BUJILA, BERNADINE, B.A., B.ED., M.A., PH.D. (French).
BYERS, A. R., M.SC., PH.D., F.R.S.C. (Geological Sciences).
CAMERON, D. D., M.A., PH.D. (Correspondence Courses).
CLARK, S., B.A., M.ED. (Education).
COBURN, F. E., B.A., M.D. (Psychiatry).
COUPLAND, R. T., B.S.A., PH.D. (Plant Ecology).
DEMPSTER, G., M.B., CH.B., B.SC., M.D. (Bacteriology).
DOUGLAS, A. H., B.E. (Civil Engineering).
DUWORS, R. E., M.A., PH.D. (Sociology).
EDMUNDS, F. H., M.SC., F.G.S., F.R.S.C. (Geological Sciences).
FERGUSON, R. M., M.A. (Classics).
FORSBERG, C. R., M.SC. (Engineering).
FOWKE, V., M.A., PH.D., F.R.S.C. (Economics).
GERRARD, J. W., B.A., B.M., B.CH., M.R.C.P. (Pædiatrics).
GIBSON, D. L., M.B.E., B.S.A., M.SC., PH.D. (Dairy Science).
GOODSPEED, GEORGIA M., B.ACC., M.B.A., C.A. (Accounting).
GRAHAM, W. R., B.A., M.A., PH.D. (History).
GUINAND, A. P., B.SC., D.PHIL. (Mathematics).
HASLAM, R. N. H., M.A., PH.D., F.R.S.C. (Physics).
HORLICK, L., B.SC., M.D.C.M., M.SC., F.R.C.P.(C), (Medicine).
HUNT, T. E., B.A., M.D., F.R.C.P. (Rehabilitation Medicine).
HUTCHEON, W. H., B.S.A., M.SC., PH.D. (Soils Science).
JAQUES, L. B., M.A., PH.D., F.R.S.C. (Physiology).
JEFFREY, J. G., B.S.P., M.SC., PH.D. (Pharmacy).
JONES, E., M.A. (Drama).
KATZ, L., M.SC., PH.D., F.R.S.C. (Physics).
KEELER, HAZEL, B.SC., M.A., R.N. (Nursing).
KENT, H. P., B.A., M.A., M.B., B.CHIR. (Diagnostic Radiology).
KING, C. A., B.A., PH.D. (English).
LANGLEY, G. J., B.A., B.ED., M.ED, PH.D. (Education).
MCARTHUR, C. S., B.A., M.SC., PH.D. (Biochemistry).
MCCALLUM, K. J., M.SC., PH.D., F.R.S.C. (Chemistry).
MCCOURT, E. A., M.A. (English).
MCKERRACHER, D. G., M.D. (Psychiatry).
MCMURRAY, G. A., M.A., PH.D. (Physiology).
MALLON, Rev. P., M.A., D. de l'Univ. (French).
MANTLE, J. B., B.E., M.S. (Engineering).
MILLAR, G. J., B.A., PH.D. (Physiology).
MILLER, C. E., M.A., PH.D. (Mathematics).
MOORE, D. F., M.D., B.SC.(MED.), F.R.C.P. (Pathology).
MORGAN, J. F., B.A., M.S.A., PH.D. (Cancer Research).
MURRAY, R. G., B.A., M.D., F.R.C.S. (c) (Opthalmology).
NANSON, E. N., M.B., CH.B., F.R.C.S. (Surgery).
NEATBY, H., M.A., PH.D., LL.D., F.R.S.C. (History).
NEVILLE, A. M., B.SC., M.SC., PH.D. (Concrete Technology).
O'DONNELL, Rev. J. L., M.A. (English).
ORBAN, W. A. R., M.S., PH.D. (Physical Education).
PAUL, L. C., M.SC., PH.D. (Extension Services).
PEPPER, J. M., M.A., PH.D. (Chemistry).
RAE, W. J., B.S.A., M.SC. (Poultry Science).
REMPEL, J. G., M.SC., PH.D., F.R.S.C. (Biology).
RICHARDS, J. H., B.SC., M.A., PH.D. (Geography).
ROWLES, EDITH C., B.H.SC., M.SC., ED.D. (Home Economics).
SAFARIAN, A. E., B.A., PH.D. (Economics and Political Science).
SHAW, M., M.SC., PH.D. (Biology).
SMITH, J. P., M.A., PH.D. (English).
SMYTHE, D. W., B.A., PH.D. (Economics).
SNELGROVE, G. W., M.A., PH.D. (Art).
SPENCER, E. W., M.D., D.M.R. (Diagnostic Radiology).
STAPLES, W. R., B.E., M.S. (Mechanical Engineering).
SUMMERS, J. L., M.C., B.S.P., M.S. (Pharmacy).
SWAN, Rev. P. J. M., M.A., PH.D. (Philosophy).
SYMES, O. L., B.A., B.E. (Agricultural Engineering).
TOOMBS, M. P., M.A., M.ED. (Education).
TRACY, CLARENCE, B.A., PH.D. (English).
VAN CLEAVE, A. B., M.SC., PH.D. (Chemistry).
VANTERPOOL, T. C., B.S.A., M.SC. (Biology).
VAN VLIET, HADLEY, B.S.A., M.SC. (Agricultural Economics).
WARD, N. M., M.A., PH.D. (Political Science).
WATSON, T. A., M.B., CH.B., D.M.R. (Therapeutic Radiology).
WHITE, W. J., B.S.A., M.SC., PH.D. (Crop Science).
WYANT, G. M., M.D., F.F.A.R.C.S., F.A.C.A. (Anæsthesia).

AFFILIATED COLLEGES:

Emmanuel College: f. 1879.
Principal: Rev. F. H. W. CRABB, B.D., A.L.C.D.

Luther Theological Seminary: f. 1924.
President: Rev. G. D. EVENSON, B.A., M.TH., D.D.

St. Andrew's College: f. 1912.
Principal: Rev. R. F. SCHNELL, M.A., PH.D.

St. Chad's College: Regina; f. 1907.
Warden: Rev. N. D. PILCHER, M.A., L.S.T.

UNIVERSITÉ DE SHERBROOKE

CITÉ UNIVERSITAIRE, SHERBROOKE, QUEBEC.

Telephone: 569-7431

Founded 1954

Chancellor: H.E. Mgr. G. CABANA, Roman Catholic Archbishop of Sherbrooke.
Rector: Mgr. IRÉNÉE PINARD, P.A., B.A., B.D.C.
Vice-Rector: Mgr. MAURICE O'BREADY, P.D., B.A., L. ès L.
Registrar: Abbé ANTOINE SIROIS, B.A., B.PED., L. ès L.
Librarian: GERMAIN BÉLISLE, B.A., B.PH., B.SC.BIBL.

Library: 131,000 vols.
Number of teachers: 374.
Number of students: 2,558.
Publication: *La Revue de L'Université de Sherbrooke.*

DEANS:

Faculty of Arts: Mgr. ROGER MALTAIS, P.D., B.A., L.PH.
Faculty of Law: ALBERT LEBLANC, B.A., LL.L., C.R.
Faculty of Medicine: GÉRARD-LUDGER LAROUCHE, B.A., M.D., F.R.C.P. (C.).
Faculty of Sciences: JACQUES LEMIEUX, B.A., B.SC., I.P.
Faculty of Commerce: ROSARIO COUSINEAU, B.A., L.S.COM., M.S.BUS., N.D.C., PH.D.
Faculty of Theology: Abbé MARC-ANDRÉ POULIN, B.A., L.TH., B.E.S.
Faculty of Sciences of Education: PIERRE H. RUEL, B.A., L.PED., L.PS.

PROFESSORS:

ALLARD, JACQUES (Physics).
AUBÉ, GASTON (Electrical Engineering).
BANVILLE, MARCEL (Physics).
BAZINET, ANDRÉ (French).
BAZINET, JACQUES (Mathematics).
BEAULIEU, DOM GASTON (Theology).
BÉDARD, MARCEL (Pedagogy).
BELOIN, NORMAND (Pedagogy).
BENOIT, BROTHER (Mathematics).
BERNIER, ROGER (Philosophy).
BERTRAND, MAURICE (French).
BILODEAU, Rev. YVON (Theology).
BLAIS, GILLES (Accounting).
BLAIS, JACQUES (French).
BOISVERT, JEAN-JACQUES (Geography).
BOISVERT, ROBERT (Mechanical Engineering).
BOLDUC, DOM JACQUES (Theology).
BOUCHER, CLAUDE (Mathematics).
BOUDREAU, LUCIEN (Mechanical Engineering).
BOUVIER, Rev. EMILE (Economics).
BRAULT, RÉJEAN (Accounting).
BRISEBOIS, MAURICE (Mathematics).
BRODEUR, LÉO ARTHUR (French).
BROSSEAU, GUY (Latin).
BROWN, G. MANLEY (Chemistry).
BRUNELLE, PAUL-E. (Civil Engineering).
CABANA, ALDÉE (Chemistry).
CAPPON, CORMAC (English).
CAZALIS, PIERRE (Geography).
CHAMPAGNE, JEAN-PAUL (Electrical Engineering).
CHARBONNEAU, Rev. FLAVIEN (Education).
CHARLEBOIS, Rev. ROGER (Psychology).
CHARETTE, LÉON (Philosophy).
CHÉNIER, RÉMI (Mechanical Engineering).
CLICHE, JEAN-MARIE (Chemistry).
COLAS, LÉON (Mathematics).
COLLINGE, PIERRE (Latin).
CONSTANTIN, JULIEN (Mathematics).

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CORDIER, MARIUS (Latin).
COURTEAU, BERNARD (Mathematics).
CRÉPEAU, RICHARD (Law).
DAUNAIS, JEAN-PAUL (Psychology).
DAVID, BROTHER (Biology).
DÉLISLE, JULES (Electrical Engineering).
DENIS, GASTON (Electrical Engineering).
DESLANDES, Rev. JEAN (Theology).
DESNOYERS, JACQUES (Chemistry).
DESROCHERS, RAYMOND (Biology).
DOUCET, Rev. CHARLES-EDOUARD (Theology).
DOUTRELOUX, JEAN-MARIE (French).
DUFRESNE, DOM PIERRE (Theology).
FARLY, Rev. CLÉMENT (Theology).
FERLAND, Rev. JACQUES (Theology).
FRÉCHETTE, JEAN-GUY (Law).
GALIPEAU, JACQUES (Mathematics).
GARNIER, GÉRARD (Business Administration).
GAUTHIER, MARC (Mechanical Engineering).
GINGRAS, ANDRÉ (Chemistry).
GOUGEON, JAQUES (History).
GOULET, JEAN (Philosophy).
GRANDPRÉ, ROLAND (Business Administration).
GUY, MARCEL (Law).
HACIKYAN, AGOP (Didactics).
HAMEL, CLAUDE (Civil Engineering).
HAMEL, DOM RAOUL (Theology).
HUBERT, LUCIEN (Mechanical Engineering).
ISBESTER, A. FRASER (Business Administration).
JÉRUMANIS, STANLISLAS (Chemistry).
JONCAS, GILLES (Civil Engineering).
JONES, DOUGLAS GORDON (English).
JUTRAS, Rev. JEAN-LOUIS (Theology).
KOCSIS, ALEXANDRE (Electrical Engineering).
LAFLAMME, GAÉTAN (Chemistry).
LAFOND, Rev. ANDRÉ (Theology).
LAFRENIÈRE, MARCEL (Civil Engineering).
LALANCETTEE, JEAN-MARC (Chemistry).
LAPIERRE, RICHARD (Geography).
LAPOINTE, CLAUDE (Mathematics).
LAREAU, Rev. LAURENT (Theology).
LAROCHELLE, NORMAND (Physics).
LAROCQUE, GABRIEL (Pedagogy).
LAVALLÉE, JEAN-GUY (History).
LAVIGNE, JEAN-PIERRE (Physical Education).
LÉAL, DOM FRANSCISCO (Theology).
LECLERC, Rev. GILBERT (Theology).
L'ECUYER, JACQUES (Physics).
LEFEBVRE, RENÉ (Pedagogy).
LEGAULT, Albert (Biology).
LEROUX, ADRIEN (Electrical Engineering).
LEROUX, ARMAND (Economics).
LORANGER, LÉON (Accounting).
MARC-AURÈLE, Rev. PAUL (Theology).
MARGOT-ADDOR, MICHEL (Pedagogy).
MARQUIS, PAUL-YVAN (Law).
MARTEL, CHARLES (Accounting).
MARTIN, JEAN-PAUL (Mathematics).
MCNEIL, JEAN (Economics).
MELANSON, JEAN (Law).
MERCIER, DOM GÉRARD (Theology).
MERCIER, PIERRE (Philosophy).
METTAYER, Rev. ARTHUR (Theology).
MITCHELSON, CLAUDE (Psychology).
MOISAN, CLÉMENT (French).
MORIN, Canon WILLIAM (Theology).
NORMANDIN, MICHEL (Civil Engineering).
O'NEIL, LOUIS (Biology).
OUELLET, JEAN-GUY (Physical Education).
PARADIS, Rev. CLAUDE (Theology).
PARADIS, PIERRE-YVES (Philosophy).
PARÉ, Rev. PAUL (Theology).
PARENT, J.-ARMAND (History).
PECKO, GEORGES (Mechanisms).
PELLETIER, GÉRARD (Chemistry).
PELLETIER, GÉRARD-R. (Economics).
PENELLE, Rev. PIERRE (Theology).
PICHETTE, CLAUDE (Economics).
POULIN, Rev. MARC-ANDRÉ (Theology).
PRÉVOST, DENIS (Electrical Engineering).
PROVENCHER, LÉO (Accounting).
RIOUX, PIERRE-PAUL (French).
RISI, MARCEL (Physics).
ROBERT, BERNARD (French).
ROY, JEAN-MARIE (Geography).
RUEL, PIERRE-H. (Psychology).
SAINT-ARNAUD, ROGER (Chemistry).
SAINT-DENIS, JEAN-CLAUDE (Psychology).
SAMSON, JEAN-PIERRE (Mathematics).
SAUCIER, ROBERT (Biology).
SHEEDY, ARTHUR (Physical Education).
SPIRIDONAKIS, Mrs. ANNETTE (English).
SPIRIDONAKIS, BASILE (History).
SUTHERLAND, RONALD (English).
TAILLERFER, JOSEPH (Education).
THIBAULT, CLAUDE (English).
TIFFOU, ETIENNE (Latin).
TREMBLAY, Rev. DOLLARD (Theology).
VALKE, LOUIS (Philosophy).
VÉRONNEAU, Rev. GILLES (Biology).
VIGNEAULT, JEAN (English).
WALTON, Dom ROBERT (Theology).
ZEMAN, Rev. FRANÇOIS (Theology).

SIR GEORGE WILLIAMS UNIVERSITY

DRUMMOND STREET, MONTREAL, P.Q.
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Founded 1929

Chancellor: B. W. ROBERTS, O.B.E., D.C.L.
Principal and Vice-Chancellor: ROBERT C. RAE, B.A., B.S.W., S.TH.
Vice-Principal: DOUGLASS BURNS CLARKE, M.A.
Bursar: HENRY GEORGE WORRELL, B.A.
Registrar: DONALD L. PEETS, B.SC.
Librarian: KEITH CROUCH, B.A., B.L.S.

Library: *see under* Libraries.

Number of teachers: 78 full-time, including 16 professors, 180 part-time.

Number of students (1962-63): 8,833.

PROFESSORS:

BORDAN, JACK, B.ENG., M.SC., P.ENG., M.E.I.C. (Engineering).
BRIDGES, J. W., M.A., PH.D. (Psychology).
CLARKE, D. D., M.A. (English).
COMPTON, NEIL, M.A., M.LITT. (English).
FINNIE, J. G., B.SC.(COM.), C.G.A., C.A. (Accountancy).
FRASER, W. R., M.A. (Philosophy).
HALL, H. F., B.A., L.R.E., D.D. (Natural Sciences).
HONEYMAN, J. M., A.M. (Biology).
LERMER, A., M.A. (Economics).
MCCULLOUGH, E. E., M.A. (History).
MADRAS, S., B.SC., PH.D. (Chemistry).
POTTER, H. H., M.A. (Sociology).
QUINN, H. F., M.A., PH.D. (Political Science).
RAUDORF, W. R., PH.D. (Physics).
SMITH, NORMAN E., M.A., PH.D. (Mathematics).
WASSERMAN, RACHEL C., M.A., PH.D. (English).
WHITELAW, J. H., M.A. (French).

LAURENTIAN UNIVERSITY OF SUDBURY

30 ELGIN STREET, NORTH, SUDBURY, ONTARIO
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Founded 1960

(Teaching is in French and English, certain faculties offering parallel programmes in both languages.)

President: Dr. HAROLD BENNETT, B.A., PH.D.
Secretary and Registrar: L. P. DEMERS, B.A. (Acting).
Bursar: HUBERT LEMIRE, M.A.
Librarian: Rev. PAUL-EMILE FILION, S.J., B.A., M.L.S.

Number of teachers: 63.

Number of students (1962-63): 272 full-time, 1,118 part-time.

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DEANS:

Dean of Students: MAURICE REGIMBAL, B.A.
Faculty of Arts and Sciences: GÉRARD BOURBEAU, B.A., B.SC.A., M.SC., PH.D.

HEADS OF DEPARTMENTS:

French: ANDRE GIROUARD, S.J., M.A., L.PH., L.TH.
Religion: Univ. of Sudbury: Rev. SIMON DAVIS, S.J., B.A., M.A., L.PH., L.TH.
Huntington Univ.: Rev. J. W. E. NEWBERY, B.A., B.D.
Economics: ARNOLD MCKEE, D. DE L'U.
Mathematics: UDAY SINGH, B.A., M.A.
Biology: W. Y. WATSON, PH.D.
English: PAUL SCANLON, M.A., B.A.
Physics: ROGER LECLAIRE, S.J., B.A., LIC-ÈS SC., PH.D.
Chemistry: ARTIN TOMBALAKIAN, PH.D., B.A., M.A.SC., P.ENG.
History: LORENZO CADIEUX, S.J., M.A., PH.D.

FEDERATED UNIVERSITIES:

University of Sudbury: 69 Elm Street West, Sudbury, Ontario (conducted by the Jesuit Fathers); f. 1913.
President: R. P. LUCIEN MATTE, S.J., M.A., L.SC.
Registrar and Vice-President: Rev. LUCIEN MICHAUD, S.J., B.A.
Dean of Students: Rev. J. DESJARDINS, S.J., B.A., B.TH., B.ED.

Huntington University: 83 Larch Street, Sudbury, Ontario (related to United Church of Canada); f. 1960.
President: (Vacant).
Principal: Rev. J. W. E. NEWBERY, B.A., B.D.
Registrar: (Vacant).
Librarian: (Vacant).

AFFILIATED COLLEGE:

Collège de Hearst: Hearst, Ontario; f. 1952.
Rector: Mgr. LOUIS LÉVESQUE.
Dean and Secretary: Rev. MAURICE SAULNIER.

UNIVERSITY OF TORONTO

TORONTO 5, ONTARIO

Telephone: 928-2011

Founded 1827

Chancellor: F. C. A. JEANNERET, B.A., D. ÈS L., O.A., LL.D.
President: C. T. BISSELL, M.A., PH.D., D.LITT., LL.D., F.R.S.C.
Acting Secretary of the Board of Governors: D. S. CLARINGBOLD.
Registrar: R. ROSS, M.B.E., M.A.
Chief Librarian: R. H. BLACKBURN, M.A., B.L.S., M.S.

Number of teachers: 2,346, including 223 professors.
Number of students (1962-63): 13,765 men, 4,448 women, total 18,213.

Publications: *University of Toronto Quarterly, Canadian Historical Review, Canadian Journal of Economics and Political Science, University of Toronto Law Journal, Canadian Journal of Psychology, Canadian Journal of Mathematics, The Phoenix, Canadian Journal of Linguistics, Canadian Journal of Theology, The Canadian Geographer.*

DEANS AND DIRECTORS:

Faculty of Arts and Science: V. W. BLADEN, M.A., F.R.S.C.
Faculty of Medicine: J. D. HAMILTON, M.D., F.R.C.P.(C.).
Faculty of Applied Science and Engineering: R. R. MCLAUGHLIN, M.A.SC., M.A., PH.D.
Ontario College of Education: D. F. DADSON, B.A., B.ED.
Library School: Miss B. BASSAM, B.A., B.L.S., M.S. (*Director*).
Faculty of Forestry: J. W. B. SISAM, B.SC.F., M.F., D.SC.
Faculty of Dentistry: R. G. ELLIS, D.D.S., M.SC.D., F.D.S., R.C.S., F.A.C.D.
Faculty of Pharmacy: F. N. HUGHES, PH.M.B., B.SC., M.A., LL.D.
Faculty of Law: C. A. WRIGHT, Q.C., B.A., S.J.D., LL.D.
Faculty of Music: A. M. WALTER, JUR.UTR.DR. (*Director.*
Faculty of Food Science: Miss B. A. MCLAREN, B.SC., M.S., PH.D.
School of Architecture: T. HOWARTH, PH.D., F.R.I.B.A. (*Director*).
School of Physical and Health Education: J. H. SWORD, M.A., (*Acting Director*).
School of Social Work: CHARLES E. HENDRY, M.A., M.H. (*Director*).
School of Nursing: Miss H. M. CARPENTER, B.S, M.P.H. (*Director*).
School of Hygiene: A. J. RHODES, M.D., F.R.C.P., F.R.S.C. (*Director*).
School of Business: O. W. MAIN, B.A., PH.D. (*Director*).
School of Graduate Studies: A. R. GORDON, O.B.E., M.A., PH.D., F.R.S.C.
Institute of Child Study: K. S. BERNHARDT, M.A., PH.D. (*Director*).
Division of University Extension: D. C. WILLIAMS, M.A., PH.D.
Royal Conservatory of Music: L. BOYD NEEL, C.B.E., B.A.,

PROFESSORS:

N.B.—In the following list (C) after the name of the professor indicates that he is a member of the staff of University College, (V) that he is a member of the staff of Victoria University, (T) that he is a member of the staff of the University of Trinity College, and (M) that he is a member of the staff of St. Michael's College.

Faculty of Arts:

AMSEL, A., M.A., PH.D. (Psychology).
ANDERSON, J. M., M.A., PH.D. (Physics).
ARNOLD, R. K., PH.D. (German) (V).
ATKINSON, F. V., D.PHIL., M.A. (Mathematics).
ATWOOD, C. E., M.S.A., PH.D. (Zoology).
BADENHUIZEN, N. P., D.SC. (Botany).
BAGNANI, G. D.LITT., F.R.S.C. (Classics) (C).
BAILEY, D. L., B.A., M.S., PH.D., F.R.S.C. (Botany).
BANNAN, M. W., B.A., PH.D., F.R.S.C. (Botany).
BARNES, C., M.SC., PH.D. (Physics).
BEAMISH, F. E., M.A., D.SC., F.R.S.C. (Chemistry).
BERLYNE, D. E., M.A., PH.D. (Psychology).
BERNHARDT, K. S., M.A., PH.D. (Psychology).
BICKLEY, Miss O. D., D.LITT., M.A. (Italian and Hispanic Studies).
BIRCH, J. W., B.A., PH.D. (Geography).
BLADEN, V. W., M.A., F.R.S.C. (Political Economny).
CHALK, J. H. H., PH.D. (Mathematics).
BOESCHENSTEIN, H., PH.D., F.R.S.C. (German) (C).
BONDY, Rev. L. J., M.A., PH.D., D.-ÈS-L., LL.D. (French) (M).
BOWMAN, H. E., M.A., PH.D., (Slavic Studies).
BREWER, A. W., M.SC., PH.D. (Physics).
BRIEGER, P. H., PH.D. (Fine Art).
BROOK, A. G., B.A., PH.D. (Chemistry).
BUTLER, L., M.S.A., PH.D. (Zoology).
CARELESS, J. M. S., A.M., PH.D., F.R.S.C. (History).
CAIN, R. F., M.A., PH.D. (Zoology).
CHALK, J. H. H., PH.D., (Mathematics).
CHILD, P. A., A.M., PH.D. (English) (T).
CLARK, S. D., M.A., PH.D., F.R.S.C. (Sociology).
COBURN, Miss K. H., M.A., B.LITT., F.R.S.L., F.R.S.C. (English) (V).

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CHANDLER, S. B., B.A., PH.D. (Italian and Hispanic Studies).
CONACHER, J. B., M.A., PH.D. (History).
COXETER, H. S. M., B.A., PH.D., LL.D., F.R.S., F.R.S.C. (Mathematics).
CREIGHTON, D. G., M.A., LL.D., D.LITT., F.R.S.C. (History).
CURRIE, A. W., B.A., B.COM., D.COM.SC. (Political Economy).
DALES, J. H., M.A., PH.D. (Political Economy).
DANIELS, J. M., M.A., D.LITT. (Physics).
DAVIES, R. (English) (T).
DE LURY, D. B., M.A., PH.D., F.A.S.A. (Mathematics).
DOBSON, W. A. C. H., M.A. (East Asiatic Studies).
DRAY, W. H., M.A., D.PHIL. (Philosophy).
DRYER, D. P., A.M. (Philosophy).
DUFF, G. F. D., M.A., PH.D., F.R.S.C. (Mathematics).
EASTERBROOK, W. T., B.A., M.A., PH.D., F.R.S.C. (Political Economy).
EASTMAN, H. C., A.M., PH.D. (Political Economy).
ECCLES, W. J., (History).
EDISON, G., M.A., PH.D. (Ethics) (T).
ENDICOTT, N. J., B.A., B.LITT. (English) (C).
ESCHMANN, Rev. I. T., PH.D., S.T.D. (Philosophy) (M).
FACKENHEIM, E. L., PH.D. (Philosophy).
FINCH, R. D. C., B.A. (French) (C).
FISHER, K. C., M.A., PH.D., D.SC. F.R.S.C. (Zoology).
FORWARD, Miss D. F., M.A., PH.D. (Botany).
FRASER, D. A. S., M.A., PH.D. (Mathematics).
FRITZ, Miss M. A., M.A., PH.D., F.R.S.C. (Geological Sciences).
FRY, F. E. J., M.B.E., M.A., PH.D., F.R.S.C. (Zoology).
FRYE, H. N., M.A., LL.D., D.LITT., F.R.S.C. (English) (V).
GARLAND, G. D., B.A.SC., M.A., PH.D. (Physics).
GORDON, A. R., O.B.E., M.A., PH.D., F.R.S.C. (Chemistry).
GOTLIEB, C. C., M.A., PH.D. (Physics).
GOUDGE, T. A., M.A., PH.D. F.R.S.C. (Philosophy).
GRAHAM, J. W., M.A., PH.D. (Fine Art).
GRAHAM, V. E., M.A., PH.D. (French) (C).
GREEN, H. A. J., M.A., PH.D. (Political Economy).
GRUBE, G. M. A., M.A., F.R.S.C. (Classics) (T).
HALL, O., M.A., PH.D. (Political Economy).
HALLETT, A. C. H., B.A., PH.D. (Physics).
HARE, F. A., M.A. (French) (V).
HARING, Rev. N., S.T.D., M.S.D. (History) (M).
HAYNE, D. M., M.A., PH.D. (French) (C).
HEARD, J. F., M.A., PH.D., F.R.S.C. (Astronomy).
HELLEINER, K. F. M., PH.D., F.R.S.C. (Political Economy).
HENESSEY, S. G., B.COM., F.C.A. (Political Economy).
HOGG. Mrs. H. B. S., A.M., PH.D., D.SC., F.R.S.C. (Astronomy).
HOOD, W. C., B.A., M.A. (Political Economy).
HUME, J. N. P., M.A., PH.D. (Physics).
IDE, F. A., M.A., PH.D., F.A.A.A.S., F.E.S.A.
IRVING, J. A., M.A. (Ethics) (V).
JOBLIN, Rev. K. J., B.A., B.D., TH.M., D.D. (Religious Knowledge) (V).
JOHNS, H. E., M.A., PH.D., LL.D., F.R.S.C. (Physics).
JOLIAT, E. A., B.A., D. DE L'U. (French) (C).
KEIRSTEAD, B. S., B.A., LL.D., F.R.S.C. (Political Economy).
KENNEDY, Rev. V. L., M.A., L.ÈS.L., D.ARCH. (Classics) (M).
KERR, D. P., M.A., PH.D. (Geography).
LANGFORD, G. B., B.A.SC., PH.D., P.ENG., F.R.S.C. (Geological Sciences).
LANGFORD, R. R., B.SC., PH.D. (Zoology).
LEROY, D. J., M.A., PH.D., F.R.S.C. (Chemistry).
LEWIS, C., M.A. (German) (T).
LINE, W., O.B.E., B.SC., M.A., M.ED., PH.D. (Psychology).
LIST, R., DIPL.PHYS., E.T.H., DR.SC.NAT. (Physics).
LISTER, M. W., M.A., D.PHIL., (Chemistry).
LONG, W. M. D., M.A., PH.D. (Philosophy).
LOVE, C. C., M.A., PH.D. (English) (V).
LUCKY, J., G.S.N., M.A., PH.D. (Slavic Studies).
LYNCH, L. E. M., M.A., L.M.S., PH.D. (Philosophy) (M).
MCCULLOUGH, W. S., M.A., B.D., PH.D. (Near Eastern Studies) (C).
MACGILLIVRAY, J. R., M.A., PH.D., F.R.S.C. (English) (C).
MACGREGOR, D. C., B.A., F.R.S.C. (Political Economy).
MCILWRAITH, T. F., M.A., F.R.S.C. (Anthropology).
MACLEAN, K., B.A., PH.D. (English) (V).
MCLUHAN, H. M., M.A., PH.D. (English) (M).
MACLURE, M., M.A., PH.D. (English) (V).
MACPHERSON, C. B., B.A., M.SC., D.SC., F.R.S.C. (Political Economy).
MACPHERSON, Rev. J., M.A., D.D. (Near Eastern Studies).
MCNEILL, K. G., M.A., D.PHIL. (Physics).
MACRAE, D. A., A.M., PH.D. (Astronomy).
MCRAE, R. F., PH.D. (Philosophy).
MADDEN, Rev. J. F., M.A., PH.D. (English) (M).
MANDLER, G., B.A., M.S., PH.D. (Psychology).
MAURER, Rev. A. A. A., M.A., PH.D. (Philosophy) (M).
MOORHOUSE, W. W., M.A., PH.D., P.ENG., F.R.S.C. (Geological Sciences).
MYERS, C. R., M.A., PH.D. (Psychology).
NEWBY, Rev. M. T., M.A. (Near Eastern Studies) (T).
NUFFIELD, E. W., B.A., PH.D., F.R.S.C. (Geological Sciences).
O'DONNELL, Rev. J. R., M.A., PH.D., F.R.S.C. (Classics) (M).
OWEN, Rev. D. R. G., M.A., PH.D., D.D. (Ethics) (T).
OWENS, Rev. J., M.S.D. (Philosophy).
PARKER, J. H., M.A., PH.D. (Italian and Hispanic).
PEGIS, A. C., M.A., PH.D., F.R.C.S. (Philosophy) (M).
PILLOW, A. F., B.A., PH.D. (Mathematics).
POLANYI, J. C., M.SC., PH.D. (Chemistry).
PRIESTLEY, F. E. L., M.A., PH.D., F.R.S.C., F.R.S.L., (English) (C).
PUTNAM, D. F., B.S.A., PH.D. (Geography).
RIÈSE, Miss L., M.A., PH.D., O.A., O.I.P., S.G.L.F. (French) (V).
ROBINSON, G. DEB., M.B.E., PH.D., F.R.S.C. (Mathematics).
ROBSON, D. O., M.A., PH.D. (Classics) (V).
ROGERS, W. S., A.M. (French) (T).
ROONEY, P. G., B.SC., PH.D. (Mathematics).
ROPER, G. H., M.A., PH.D. (English) (T).
ROSS, M. M., M.A., PH.D., D.LITT., F.R.S.C. (English) (T).
ROTHFELS, K. H., B.A., PH.D. (Botany).
ROUILLARD, C. D., A.M., PH.D., O.A., F.R.S.C. (French) (C).
SAUNDERS, R. M., M.A., PH.D. (History).
SAVAN, D., A.M. (Philosophy).
SCHERK, P., PH.D., F.R.S.C. (Mathematics).
SCHOECK, R. J., M.A., PH.D., F.R.H.S. (English) (M).
SCOTT, G. D., M.A., PH.D. (Physics).
SHEPPARD, N. E., M.A., F.I.A. (Mathematics).
SHERIDAN, Rev. J., M.A., PH.D. (Classics).
SHOOK, Very Rev. L. K., M.A., PH.D. (English) (M).
SINDEN, Miss M. J., B.A., PH.D. (German).
SIRLUCK, E., M.B.E., M.A., PH.D. (English) (C).
SKILLING, H. G., M.A., PH.D. (Political Economy).
SPELT, J., M.A., PH.D. (Geography).
STACEY, C. P., O.B.E., C.D., A.M., PH.D., LL.D., F.R.S.C. (History).
STAGG, G. L., M.B.E., M.A. (Italian and Hispanic).
STRIJLAND, J. C., PH.D. (Physics).
SWINTON, W. E., B.SC., PH.D., F.R.S.E., F.R.A.I., F.M.A. (Zoology).
TRAINOR, L. E. H., (Physics).
THORNTON, A. P., M.A., D.PHIL. (History).
TRETHEWEY, W. H., M.A., PH.D., F.R.S.A., F.R.S.C. (French) (V).
VAN KRANENDONK, J., PH.D. (Physics).
VICKERS, G. S., A.M. (Fine Art).
VOGET, F. W., B.A., PH.D. (Anthropology).
WALLACE, W. P., B.A., PH.D. (Classics) (C).
WARDER, A. K., (East Asiatic Studies).
WEBBER, W. J., B.A., D.S.C. (Mathematics).
WELSH, H. L., M.A., PH.D., F.R.S.C., F.R.S. (Physics).
WEVERS, J. W., B.A., TH.D. (Near Eastern Studies).
WICKENS, G. M., M.A. (Islamic Studies).
WILKINSON, B., M.A., PH.D., F.R.S.C. (Mediæval History).
WILLIAMS, D. C., M.A., PH.D. (Psychology).
WILLIAMS, Rev. R. J., M.A., B.D., PH.D. (Near Eastern Studies) (C).
WILSON, J. T., O.B.E., M.A., PH.D., SC.D., LL.D., F.R.S.C. (Physics).
WINNETT, F. V., M.A., PH.D., F.R.S.C. (Near Eastern Studies) (C).
WOOD, J. S., M.A., D. DE L'U. (French) (V).
WOODBURY, L. E., A.M., PH.D. (Classics) (C).
WOODHOUSE, A. S. P., B.A., A.M., D.LITT., LL.D., L.H.D., F.R.S.C. (English).
WRIGHT, G. F., M.B.E., B.SC., PH.D. (Chemistry).
YATES, P., M.SC., PH.D. (Chemistry).

Faculty of Medicine:

ASH, C. L., B.SC., M.D., D.RAD., F.A.C.R. (Radiology and Medical Biophysics).
BAER, E. E. F. T., PH.D., F.R.S.C., F.C.I.C. (Medical Research).
BEST, C. H., C.B.E., M.A., M.D., D.SC., LL.D., F.R.S., F.R.S.C., F.R.C.P. (Physiology and Medical Research).
BROOKS, E. F. J., M.D., M.R.C.P.LOND., F.R.C.P. (Medicine).
BUTLER, G. C., B.A., PH.D., F.R.S.C. (Biochemistry).
CAMPBELL, J., M.A., PH.D. (Medical Research and Physiology).
CANNELL, D. E., M.B., B.SC. (MED.), F.R.C.S. (Obstetrics and Gynæcology).
CHUTE, A. L., O.B.E., M.A., M.D., PH.D., F.R.C.P. (Pædiatrics).
CROCKER, B. F., M.A., PH.D. (Biochemistry).

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DAUPHINEE, J. A., O.B.E., M.A., M.D., PH.D., F.R.C.P., F.R.C.S. (Pathological Chemistry).
DEWAN, J. G., M.D., M.A., PH.D., D.PSYCH., D.P.M., F.R.C.P.(C), F.A.C.P., F.A.P.A. (Psychiatry).
DOUST, J. W. L., B.SC., B.S., M.B., M.R.C.P., F.R.C.P.(C) (Psychiatry).
DUCKWORTH, J. W. A., CH.B., M.D. (Anatomy).
FARMER, A. W., M.B.E., M.D., F.R.C.S.(C) (Surgery).
FRANKS, W. R., O.B.E., M.A., M.B. (Medical Research).
GORDON, R. A., C.D., B.SC., M.D., D.A., F.R.C.P.(C) (Anæsthesia).
GORNALL, A. G., B.A., PH.D. (Pathological Chemistry).
GRAY, K. G., Q.C., M.D., B.SC.MED. (Forensic Psychiatry).
GREEY, P. H., M.D., B.SC.MED. (Bacteriology).
HAIST, R. E., M.A., M.D., PH.D. (Physiology and Medical Research).
HALL, M. M. R., M.D. (Radiology).
HAM, A. W., M.B., F.R.S.C. (Anatomy and Medical Biophysics).
HANES, C. S., B.A., PH.D., SC.D., F.R.S., F.R.S.C. (Biochemistry).
HARTROFT, W. S., B.SC., M.D., PH.D., LL.D. (Physiology).
HENDERSON, D. N., M.B., F.R.C.S.(C) (Obstetrics and Gynæcology).
HILLIARD, I. M., B.A., M.D. (Medicine).
IRELAND, P. E., M.D., F.R.C.S.C., F.A.C.S. (Oto-Laryngology).
JOHNS, H. E., M.A., PH.D., LL.D., F.R.S.C. (Medical Biophysics).
KALOW, W., M.D. (Pharmacology).
KERGIN, F. G., M.A., M.D., M.S., F.R.C.S., F.R.C.S.(C), F.A.C.S. (Surgery).
LAIRD, R. C., B.A., M.D., M.S., F.R.C.S., F.A.C.S., F.R.C.S.C. (Surgery).
LUCAS, C. C., M.A.SC., PH.D., F.C.I.C., F.R.S.C. (Medical Research).
MCCULLOCH, J. C., M.D. (Ophthalmology).
MACDONALD, R. I., B.A., M.D.C.M., F.R.C.P.C., F.R.C.P., F.A.C.P. (Medicine).
MARKOWITZ, J., M.B.E., M.B., PH.D., M.S. (Physiology).
MEIKLEJOHN, R. B., M.D., F.R.C.O.G. (Obstetrics and Gynæcology).
MONKHOUSE, F. C., B.A., PH.D. (Physiology).
NICHOLSON, T. F., M.B., M.SC.(MED)., PH.D. (Pathological Chemistry).
OLSZEWSKI, J., M.D., PH.D. (Pathology).
RAPPAPORT, A. M., M.D., PH.D. (Physiology).
RITCHIE, Dr. A. C., M.B., CH.B., D.PHIL. (Pathology).
SCOTT, J. W., B.A., M.A., M.D. (Physiology).
SELLERS, E. A., M.D., PH.D. (Pharmacology).
SIMINOVITCH, L., B.SC., PH.D. (Medical Biophysics).
SMITH, C. G., B.A., M.SC., M.D., PH.D. (Anatomy).
STOKES, A. B., C.B.E., M.A., B.M., D.CH., D.P.M., F.R.C.P.(C), F.R.C.P. (Psychiatry).
WELSH, W. K., O.B.E., M.B., F.R.C.S.(C), F.R.S.C.ENG., F.A.C.S. (Surgery).
WIGHTMAN, K. J. R., M.D., F.R.C.P.(C), F.A.C.P. (Medicine).
WRENCHALL, G. A., B.SC., M.SC., M.A., PH.D. (Medical Research).

Faculty of Applied Science and Engineering:

ANDREWS, D. G., M.A., (Chemical Engineering).
BRECKENRIDGE, J. G., B.A.SC., PH.D. (Chemical Engineering).
ETKIN, B., M.A.SC., F.C.A.I. (Aerophysics).
GLASS, I. I., M.A.SC., PH.D., F.C.A.I. (Aerophysics).
GRAYDON, W. F., M.A.SC., PH.D. (Chemical Engineering).
HAM, J. M., B.A.SC., S.M., SC.D. (Electrical Engineering).
HUGGINS, M. W., M.A.SC. (Civil Engineering).
JONES, L. E., M.A.SC., PH.D. (Mechanical).
KANI, G., DR.ING., DIPL.ING. (Civil Engineering).
LORD, G. R., B.A.SC., S.M., PH.D. (Mechanical Engineering).
MACELHINNEY, W. G., M.A.SC. (Chemical Engineering).
MARSHALL, O. C. J., B.A.SC., C.E. (Civil Engineering).
MCLAUGHLIN, R. R., M.A.SC., M.A., PH.D., D.S.C. (Chemical Engineering).
MOODY, N. F., B.ING. (Electrical Engineering).
MORRISON, C. F., B.E., M.SC. (Civil Engineering).
PATTERSON, G. N., B.SC., M.A., PH.D., LL.D., F.R.Ae.S., F.I.A.S., F.R.S.C., D.S.C., F.C.A.I. (Aeronautical Engineering).
PIDGEON, L. M., M.B.E., B.A., B.SC., PH.D., F.R.S.C. (Metallurgical Engineering).
PORTER, A., M.SC., PH.D., F.R.S.A., M.I.E.E. (Industrial Engineering).
RAPSON, W. H., M.A.SC., PH.D., P.ENG., F.C.I.C. (Chemical Engineering).
REID, J. E., B.A.SC. (Electrical Engineering).
RIBNER, H. S., B.S., M.S., PH.D. (Aerophysics).
RICE, H. R., B.SC. (Mining Engineering).
SINCLAIR, G., PH.D. (Electrical Engineering).
SMITH, I. W., M.A.SC. (Mechanical Engineering).
SMITH, V. G., B.A.SC. (Electrical Engineering).
TRACY, G. F., B.A.SC., S.M. (Electrical Engineering).
WOLFE, S. E., M.A.SC. (Mining Engineering).

Faculty of Food Science:

MCLAREN, Miss B., B.SC., M.S., PH.D. (Food Science).
SMITH, Miss M. D., M.A., PH.D. (Food Chemistry).

Ontario College of Education:

BRYANS, Miss H. L., M.A. (Physical Health Education).
CARLISLE, J. S., B.A., B.PAED. (Education).
DADSON, D. F., B.A., B.ED. (Education).
DEAN, Miss C. R., M.A. (Home Economics).
FLOWER, G. E., M.A., ED.D.
FOWLER, H. M., B.A., E.ED. (Education).
FRIZZELL, A. W., B.A.SC. (Vocational Subjects).
JACKSON, R. W. B., B.A., PH.D. (Educational Research).
LOUDEN, A. H., B.A., B.PAED. (Science).
PARMENTER, M. D., M.A. (Guidance).
PASSMORE, J. H., B.A., B.P.H.E., B.ED. (Physical Health Education).
PITT, C. C. V., B.PAED., M.A., PH.D. (Educational Psychology).
ST. JOHN, HELEN B., M.A. (Modern Languages).
SILVERTHORN, Miss M. E., B.L.S., A.M. (Library Science).
SKINNER, A. F., M.A., B.SC., PH.D., F.E.I.S. (Education).
TAIT, G. E., B.A., B.PAED., ED.D. (Elementary Education).
TAYLOR, B. C., M.A. (Classics).

Library School:

BASSAM, Miss B., B.A., B.L.S., M.S. (Library Science).

Faculty of Forestry:

FARRAR, J. L., M.F., PH.D. (Forestry),
SISAM, J. W. B., B.SC.F., M.F., D.SC. (Forestry).

Faculty of Music:

ROSEVEAR, R. A., A.B., M.MUS.

Faculty of Dentistry:

ANDERSON, P. G., D.D.S., F.A.C.D., F.I.C.D. (Operative Dentistry).
ANTONI, A. A., D.D.S., M.SC.D. (Oral Surgery).
ELLIS, R. G., D.D.S., M.SC.D., F.D.S., R.C.S., F.A.C.D (Operative Dentistry) (*Dean*).
GRAINGER, R. M., D.D.S., M.SC.D., D.D.P.H.
HAM, A. W., M.B., F.R.S.C. (Anatomy).
JOHNSON, J. H., D.D.S. (Dental Surgery and Anæsthesia).
KREUTZER, J., D.D.S., B.SC.D., F.A.C.D. (Preventive Dentistry).
LOCKE, R. S., B.A., M.S., D.D.S. (Dental Anæsthesia).
MACGREGOR, S. A., D.D.S., F.I.C.D. (Pedodontics).
MITTON, G. T., D.D.S., D.D.P.H. (Dental Public Health).
NIKIFORUK, G., D.D.S., M.SC. (Preventive Dentistry).
PAYNTER, K. J., D.D.S., PH.D. (Dental Anatomy).
PEDLER, J. A., M.D.S., F.D.S., L.R.C.P., M.R.C.S. (Oral Diagnosis).
POYTON, H. G., H.D.D., F.D.S., L.D.S. (Radiography).
ROSS, W. J., D.D.S., F.I.C.D. (Dentistry).
TWIBLE, R. L., D.D.S., B.SC.(DENT), F.A.C.D. (Prosthodontics).
WILLIAMS, C. H. M., D.D.S., B.SC.D. (Periodontics).
WOODSIDE, D. G., B.SC., D.D.S., M.SC.(D) (Onthodontics).

Faculty of Pharmacy:

BAXTER, R. M., PHM.B., B.S.P., M.S., PH.D. (Pharmacognosy).
FULLER, H. J., PHM.B., M.A. (Pharmacy Administration).
HUGHES, F. N., PHM.B., B.SC., M.A., LL.D. (*Dean*).
PATERSON, G. R., PHM.B., B.S.P., M.SC., PH.D. (Pharmaceutical Chemistry).
WALKER, G. C., B.SC., M.S., PH.D. (Pharmacy).

Faculty of Law:

ABEL, A. S., B.A., J.D., LL.M., S.J.D.
EDWARDS, J. L. J., LL.B., M.A., PH.D.
KILGOUR, D. G., B.A., LL.M., S.J.D.
LASKIN, B., Q.C., M.A., LL.M.
MACDONALD, R. ST. J., B.A., LL.M.
MCWHINNEY, E., LL.M., S.J.D.
MILNER, J. B., LL.M.
WILLIS, J., B.A.
WRIGHT, C. A., Q.C., B.A., S.J.D., LL.D. (*Dean*).

School of Architecture:

ARTHUR, E. R., M.A., B.ARCH., LL.D., F.R.I.B.A., F.R.A.I.C., F.R.S.A. (Architectural Design).
CARSWELL, W. E., B.ARCH.
DAKIN, A. J., B.A., PH.D., A.R.I.B.A., M.R.A.I.C., M.T.P.I.C., M.T.P.I.

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HOWARTH, T., PH.D., F.R.I.B.A.
RAYMORE, W. G., B.ARCH., F.R.A.I.C.

School of Physical and Health Education:
(Vacant).

School of Social Work:
GOVAN, Miss E., M.A., PH.D. (Social Work).
HENDRY, C. E., M.A., M.H. (Social Work).
JAFFARY, S. K., B.SC., M.A., PH.D. (Social Work).
MORGAN, J. S., M.A., DIP.ED. (Social Work).
ROSE, A., M.A., PH.D. (Social Work).
SPENCER, J. C., PH.D.

School of Nursing:
CARPENTER, Miss H. M., B.S., M.P.H.

School of Hygiene:
BEATON, G. H., M.A., PH.D. (Nutrition).
BROWN, J. R., B.SC., M.B., B.S., PH.D., L.M.S.S.A. (Physiological Hygiene).
BROWN, M. H., O.B.E., M.D., B.SC. (MED.), D.P.H., F.C.C.P. (Public Health).
FALLIS, A. M., B.A., PH.D., F.R.S.C. (Parasitology).
FIRSTBROOK, J. B., M.D., PH.D. (Physiological Hygiene).
FISHER, A. M., PH.D. (Physiological Hygiene).
FRASER, Miss F. H., B.A., M.B. (Microbiology).
GRAINGER, R. M., D.D.S., M.SC.D., D.D.P.H. (Epidemiology and Biometrics).
LE RICHE, W. H., B.SC., M.B.B.CH., M.D., M.P.W. (Epidemiology and Biometrics).
MACPHERSON, L. W., M.R.C.V.S., D.V.S.M., PH.D. (Microbiology).
MACLEAN, D. L., O.B.E., E.D., M.D., B.SC.MED., D.P.H. (Epidemiology).
MOSLEY, W., M.D., C.M., D.P.H. (Public Health).
NIKIFORUK, G., D.D.S., M.SC. (Nutrition).
PARKER, R. C., B.A., PH.D., D.SC. (Microbiology).
REID, D. B. W., M.A., M.SC. (Biometrics).
RHODES, A. J., M.D., F.R.C.P., F.R.S.C. (Microbiology).
ROTH, F. B., M.D., F.A.P.H.A., F.A.C.H.A. (Hospital Administration).
SIMINOVITCH, L., B.SC., PH.D. (Microbiology).
STUART, Miss E. M., M.H.A., F.A.C.H.A. (Hospital Administration).
WISHART, F. O., M.A., M.D., D.P.H. (Microbiology).

School of Business:
COUTTS, W. B., B.A., F.C.A.
GRAHAM, T. C., M.B.E., B.A.SC.
MAIN, O. W., M.A., PH.D.
PRESGRAVE, R., B.A.SC., F.A.I.I.E.

CONSTITUENT COLLEGE:

University College: Toronto.
Principal: R. S. HARRIS, M.A., PH.D. (Acting 1963-64).
Registrar: R. M. H. SHEPERD, M.A. (Cantab.).
Dean of Men: H. I. MACDONALD, B.COM., B.PHIL., M.A.
Dean of Women: Mrs. M. Q. INNIS, PH.B., LL.D.

FEDERATED UNIVERSITIES AND COLLEGES:

Emmanuel College (the Theological College in Toronto of the United Church of Canada): f. 1928.
Principal: Rev. E. S. LAUTENSCHLÄGER, B.A., B.D., D.D., LL.D.

Knox College (Presbyterian).
Principal: Rev. J. S. GLEN, M.A., PH.D., B.D., TH.D., D.D.
Registrar: Miss M. A. CARRINGTON, B.A.
Librarian: Rev. N. G. SMITH, M.A.

Massey College.
Master: ROBERTSON DAVIES.

New College.
Principal: D. G. IVEY, M.A., PH.D.

University of St. Michael's College: Toronto 5; f. 1852; conducted by the Basilian Fathers.
President: Rev. J. M. KELLY, M.A., PH.D.
Registrar and Vice President: Rev. H. V. MALLON, M.A.
Dean of Residence: Rev. W. B. ORSINI, B.A.
Librarian: Miss P. MCMANUS, B.A., B.L.S.

University of Trinity College: Toronto 5; f. 1851; f. as Federated University 1904.
Provost: D. R. G. OWEN, M.A., PH.D., D.D.
Registrar: A. J. EARP, M.A., M.LITT.
Librarian: Prof. J. W. COLE, M.A.

Victoria University: Queen's Park, Toronto; f. 1890 as a Federated University.
President: Rev. A. B. B. MOORE, B.A., D.D., LL.D.
Registrar: Prof. F. A. HARE, M.A.
Librarian: MARGARET V. RAY, B.A.

Wycliffe College (Anglican).
Chairman of Council: The Hon. W. J. DUNLOP, F.C.I., LL.D.
Principal: Rev. Canon L. HUNT, B.A., M.TH., D.D.
Registrar: A. A. ATKINSON.
Librarian: Prof. T. A. M. BARNETT, M.A.

AFFILIATED UNIVERSITY:

York University: 2275 Bayview Ave., Toronto 12; telephone: 487-5111; f. 1959.
President: M. G. ROSS, M.A., ED.D., D.C.L.

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Founded 1959

Chancellor: D. H. PORTER, Q.C., B.A., M.A.
Vice-Chancellor and President: J. G. HAGEY, B.A., LL.D.
Vice-President (Academic): T. L. BATKE, B.A.SC., M.A.SC., PH.D.
Vice-President (Finance): A. K. ADLINGTON, B.A.
Registrar: A. P. GORDON, B.A.
Librarian: Mrs. D. E. LEWIS, B.A.

Number of teachers: 197, including 37 professors.
Number of students: 2,198.

Publications: *Quarterly Report, Newsletter, Gazette, Coryphaeus.*

DEANS:

Faculty of Arts: N. H. HIGH, B.S.A., M.S., PH.D.
Faculty of Science: W. A. E. MCBRYDE, B.A., M.A., PH.D.
Faculty of Engineering: G. D. T. WRIGHT, B.A.SC., M.S., PH.D.
Faculty of Graduate Studies: R. G. STANTON, B.A., M.A., PH.D.

PROFESSORS:

ALPAY, S. A., B.S., M.S., DR.ING. (Mechanical Engineering).
ANTHES, R. G., B.A.SC., M.A.SC. (Electrical Engineering).
BERMAN, G., M.A., PH.D., B.A. (Mathematics).
BOSWELL, F., M.A., PH.D. (Physics).
CORNELL, P. G., B.A., M.A., PH.D., E.D. (History).
COWAN, J. A., B.SC., M.A., PH.D. (Physics).
DIEM, A., B.A., M.A., PH.D. (Geography).
DYCK, J. W., A.B., M.A., PH.D. (German and Russian).
FALLIS, W. B., B.A.SC., M.A.SC., PH.D. (Mechanical Engineering).
FORBES, W. F., B.SC., PH.D., D.SC., D.I.C. (Chemistry).
FRETZ, J. W., A.B., M.A., PH.D.B.D. (Religious Knowledge—Conrad Grebel).
FRYER, K. D., B.A., M.A., PH.D. (Mathematics).
GRAF, B. J., C.R., M.A. (Classics) (St. Jerome's).
HAERING, R. R., M.A., PH.D. (Physics).
HEATLEY, A. H., B.A.SC., M.A., PH.D. (Chemical Engineering).
HERGOTT, C. A., C.R., B.A., M.A., S.T.D. (Philosophy) (St. Jerome's).

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HIGH, N. H., B.S.A., M.S., PH.D. (Sociology).
HYNES, H. B. N., B.SC., PH.D., D.SC. (Biology).
KESAVAN, H. K., B.SC., B.E., M.S., PH.D. (Electrical Engineering).
KIEFFER, M. I., C.R., B.A., M.A., J.C.D. (Romance Languages) (St. Jerome's).
LIND, M. C., M.SC., PH.D. (Civil Engineering).
MCBRYDE, W. A. E., B.A., M.A., PH.D. (Chemistry).
MCCUTCHAN, J. W., A.B., A.M., PH.D. (English).
MACRAE, C. E., B.A., M.A., PH.D. (English).
MCKIRDY, K. A., M.A., PH.D. (English).
MONTGOMERY, F. K., B.A., M.A. (History).
REES, A. W., B.A., M.A. (History—Renison).
REESOR, G. E., B.A., M.A., PH.D. (Physics).
SHERBOURNE, A. N., B.SC., M.S., M.A., PH.D. (Civil Engineering).
SPROTT, D. A , B.A., M.A., PH.D. (Mathematics).
STANTON, R. G., B.A., M.A., PH.D. (Mathematics).
THOMAS, W. K., B.A., M.A., PH.D. (English).
TUTTE, W. T., B.A., M.SC., M.A., PH.D., F.R.C.S. (Mathematics).
WALTERS, R. H., B.A., DIP.ED., M.A., B.PHIL., PHD.D. (Psychology).
WEI, L. Y., M.S., PH.D. (Electrical Engineering).
WINKLEMAN, J., B.A., M.A., PH.D. (German and Russian).
WRIGHT, D. T., B.A.SC., M.S., PH.D. (Civil Engineering).

FEDERATED COLLEGE:

University of St. Jerome's College (Roman Catholic, conducted by the Congregation of the Resurrection): Waterloo; f. 1864.
Superior and President: Rev. C. L. SIEGFRIED, C.R., B.A., M.SC.
Dean: Rev. J. R. FINN, C.R., B.A., M.A., PH.D.

AFFLIATED COLLEGES:

Renison College (Anglican): Waterloo.
Principal: W. REES, B.A., M.A.

Conrad Grebel College (Mennonite): Waterloo.
Principal: Rev. J. W. FRETZ, B.A., B.D., M.A., PH.D.

St. Paul's College (United): Waterloo.
Principal: Rev. D. J. HALL, B.A., B.D., S.T.M.

UNIVERSITY OF WESTERN ONTARIO

LONDON, ONTARIO

Telephone: GE 9-1681

Founded 1878. Charter last revised 1955.

Chancellor: V. P. CRONYN.
President: G. EDWARD HALL, M.S.A., M.D., PH.D., F.R.S.C.
Vice-President: R. B. WILLIS, M.A., F.C.I.S.
Registrar: J. KEITH WATSON, M.A., PH.D.
Comptroller: R. R. GLOVER, B.A.

Number of teachers: 353, including 85 professors.
Number of students: 7,327.

Publications: *Medical Journal, Gazette* (student weekly), *Alumni Gazette, The Business Quarterly, Occidentalia* (student Yearbook), Calendars for all Faculties and Schools.

DEANS:

Faculty of Arts and Sciences: M. K. INMAN, M.A., PH.D.
Faculty of Engineering Science: Lt.-Col. R. M. DILLON, M.C., B.A.S.M.
Faculty of Medicine: O. H. WARWICK, M.A., M.D.C.M., M.R.C.P., F.R.C.P. (C.).
Faculty of Law: I. C. RAND, Q.C., B.A., LL.B., LL.D.
Faculty of Graduate Studies: R. A. ALLEN, M.A., PH.D.
School of Nursing: R. CATHERINE AIKIN, B.N., B.A., M.A. (Acting).
School of Business Administration: J. J. WETTLAUFER, M.B.A.

PRINCIPALS:

University College: R. J. UFFEN, B.A.SC., M.A., PH.D., P.ENG.
Middlesex College: D. G. G. KERR, B.A., PH.D.
The College of Music: C. VON KUSTER, MUS.B.

PROFESSORS:

Faculty of Arts and Sciences:
BATTLE, HELEN, M.A., PH.D. (Zoology).
BENNETTON, N. A., B.A., M.A., PH.D. (Romance Languages).
BLACKWELL, J. W., M.SC., PH.D. (Physics).
BRADLEY, D. C., PH.D. (Chemistry).
BRANNEN, E., PH.D. (Physics).
BROWN, ANTHONY W. A., B.SC., M.A., PH.D. (Zoology).
BUTTS, R. E., A.M., PH.D. (Philosophy).
COLE, RANDAL H., M.A., PH.D. (Mathematics).
CONRON, A. B., PH.D. (English).
DE MAYO, P., M.D. (Chemistry).
FERGUSON, W. K., PH.D. (History).
FORSYTH, P. A., M.A., PH.D. (Physics).
GILLESPIE, MARY H., M.A. (Secretarial Science).
HICKMAN, C. J., PH.D. (Botany).
IGNATIEFF, L., B.A., M.A., PH.D. (Russian).
INMAN, M. K., M.A., PH.D. (Economic and Political Science).
JOHNSON, A. H., M.A., PH.D. (Philosophy).
KALBFLEISCH, H. K., M.A. (German).
KLINCK, C. F., M.A., PH.D. (English).
L'HEUREUX, W. J., M.A. (Physical and Health Education).
MACKINNON, M. H. M., PH.D. (English).
MCLARTY, D., PH.D. (Botany).
MAGEE, GORDON R., M.S., PH.D. (Mathematics).
MAYO, H. B., D.PHIL. (Economics).
NICHOLLS, R. W., PH.D. (Physics).
NICHOLSON, N. L., M.SC., PH.D. (Geography).
OVERTON, R. C., PH.D. (History).
PARLOW, KATHLEEN (Music).
PATTISON, F. L. M., M.A., PH.D. (Chemistry).
PLEVA, E. G., M.A., PH.D. (Geography).
RALPH, J. D., M.A., PH.D. (Classics).
RAYMOND, A. E., B.A., M.A., PH.D. (Classics).
REAVELY, G. H., M.A., D.I.C. (Geology).
REUBER, G. L., B.A., A.M., PH.D. (Economic and Political Science).
ROSÉ, ALFRED, B.A. (Music).
SHERVILL, R. N., B.A., M.A., PH.D. (Romance Languages).
SIVERTZ, CHRISTIAN, PH.D. (Chemistry).
TORRENS, R. W., PH.D. (Romance Languages).
TURNER, G. H., M.A., PH.D. (Psychology).
WAITE, P. B., M.A., PH.D. (History).
WEHLAU, W. H., A.B., PH.D. (Mathematics).
WILD, J. L., B.A. (Journalism).
WOODMAN, R. G., B.A., M.A., PH.D. (English).
WRIGHT, MARY J., B.A., M.A., PH.D. (Psychology).

Faculty of Medicine:
BARR, M. L., B.A., M.SC., M.D., F.R.S.C. (Microscopic Anatomy).
BRIEN, F. S., B.A., M.B., M.R.C.P., F.R.C.P. (C), F.A.C.P. (Medicine).
BUCK, CAROL W., M.D., PH.D., D.P.H. (Psychiatry and Preventive Medicine).
BUCK, R. C., M.D., M.SC., PH.D. (Microscopic Anatomy).
BURTON, A. C., M.B.E., B.SC., M.A., PH.D., F.R.C.S. (Biophysics).
COLLIP, J. B., C.B.E., M.A., PH.D., D.SC., M.D., LL.D., F.R.C.P.(C.), F.R.S.C., F.A.C.P., F.A.C.O.G. (Medical Research).
FISHER, J. H., M.D., M.SC., F.R.C.P.(C.) (Pathology).
GOWDEY, C. W., B.A., M.SC., D.PHIL. (Pharmacology).
HOBBS, G. E., B.A., M.D., D.I.P., M.P.H. (Psychiatry and Preventive Medicine).
KINCH, R. A. H., M.B., B.S., M.R.C.S., L.R.C.P., M.R.C.O.G., F.R.C.S.(C.), (Obstetrics and Gynæcology).
MCLACHLIN, A. D., M.D., M.SC., D.PHIL., M.S., F.R.C.S.(C.), F.R.C.S.(ENG.) (Surgery).
MURRAY, E. G. D., O.B.E., M.A., M.D., D.SC., L.M.S.S.A., F.R.S.C., (Medical Research).
MURRAY, R. G. E., M.D.C.M., M.A. (Bacteriology and Immunology).
NEUFELD, A. N., M.SC., PH.D., M.D.C.M., F.C.I.C. (Pathological Chemistry).
PATERSON, J. C., O.B.E., M.B., M.D., B.SC. (Medical Research).
RATHBUN, J. C., M.D., F.R.C.P.(C.), F.A.A.P. (Pædiatrics).
ROBINOW, C. F., M.D., F.R.S. (Bacteriology and Immunology).
ROSSITER, R. J., B.SC., M.A., D.PHIL., B.M., B.CH., D.M., F.R.I.C. (Biochemistry).
SKINNER, H. A., M.B., F.R.C.S.(C.) (Anatomy).

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STAVRAKY, G. W., M.D., M.SC., M.D.C.M. (Physiology).
STEWART, H. B., M.D., PH.D. (Biochemistry).
STEVENSON, J. A. F., M.A., M.D., C.M. (Physiology).
VON HOCHSTETTEN, A., M.D. (Anatomy).
WALLACE, A. C., M.D., PH.D. (Medical Research).

Faculty of Law:
MACKAY, R. S., LL.M., B.A., LL.B., LL.M.

Faculty of Engineering Science:
LAUCHLARD, L. S., M.A.SC.

School of Business Administration:
JONES, F. W. P., B.A.
LADD, D. W., M.B.A., D.B.A.
MCDOUGALL, J. W., B.A., F.C.A.
READY, R. K., B.A., M.B.A., D.C.S.
TAYLOR, JAMES C., B.A., C.A. (Business Administration).
THOMPSON, W. A., M.B.A. (Business Administration).

AFFILIATED INSTITUTIONS:

Huron College: London, Ontario; f. 1863; Arts and Theological College.
Principal: Rev. J. G. MORDEN, B.A., B.D., D.TH.

St. Peter's Seminary and Christ the King College: London, Ontario; f. 1912 (Seminary), 1955 (College); Seminary and College of Arts.
Rector: Mrg. A. P. MAHONEY, P.A., V.G., D.P., LL.D.

Brescia College: London, Ontario; f. 1919; arts subjects.
Dean: Mother MARIE, PH.D.

UNIVERSITY OF WINDSOR

400 HURON LINE, WINDSOR, ONTARIO
Telephone: 253-4232
Founded 1857

Chancellor: Most Rev. JOHN CHRISTOPHER CODY, D.D., LL.D.
Vice-Chancellor and President: Rev. EUGENE CARLISLE LEBEL, C.D., C.S.B., M.A., LL.D.
Chairman, Board of Regents: ANTHONY F. FUERTH, K.S.S.
Registrar: BARBARA HELEN BIRCH, M.A.
Librarian: WILLIAM F. DOLLAR, M.A., A.M.L.S.

Number of teachers: 148.
Number of students: 1,587 (full-time).

Publications: *Announcements, The Lance, The Ambassador, Student Handbook, The Alumni Times, The President's Report, The Kaleidoscope.*

DEANS:

Faculty of Arts and Sciences: Rev. N. J. RUTH, C.S.B., M.A.
Faculty of Applied Science: Dr. F. A. DEMARCO, B.A.SC., M.A.SC., PH.D., F.C.I.C.
Faculty of Graduate Studies: Rev. C. P. J. CROWLEY, C.S.B., B.A., M.A., PH.D.
Faculty of Theology: Rev. D. L. EGAN, C.SS.R., S.T.L.

PROFESSORS:

ADELMAN, Dr. M., PH.D.
CROWLEY, Rev. C. P. J., C.S.B., PH.D.
DEMARCO, Dr. F. A., PH.D.
DROUILLARD, Rev. C. J., C.S.B., PH.D.
GRANT, Rev. A. J., C.S.B., M.A.
HERBICH, Dr. H. P., D.SC.
HORNE, Dr. G. R., PH.D.
HUSSEY, Rev. J. M., C.S.B., M.A.
JELLINEK, Dr. H. H. G., PH.D.
KINGSTON, Rev. F. T., D.PHIL.
SR. MARIAN DOLORES, S.N.J.M., PH.D.
MCCANN, Rev. L. A., C.S.B., S.T.D.
MALLON, Rev. H. V., C.S.B., M.A.
MULVIHILL, Rev. D. J., C.S.B., PH.D.
PHILLIPS, Dr. W. C., PH.D.
RAYSON, Rev. R. S., M.A., D.D.

VICTORIA COLLEGE

VICTORIA, BRITISH COLUMBIA
Founded 1920, University 1963

Principal: W. H. HICKMAN, M.A., D. DE L'U.
Number of students: 2,000.

TECHNICAL COLLEGES

Eastern Ontario Institute of Technology: 290 Slater Street; Ottawa 4, Ontario; f. 1957.
Principal: V. J. BYERS.

Number of teachers: 32.
Number of students: 530.

Hamilton Institute of Technology: Hamilton, Ont.; 3 year courses.

Institut de Technologie d'Arvida (*Arvida Institute of Technology*): 163 Davis Street, Arvida, Quebec; f. 1946.
Principal: LIONEL GAUDREAU.

Number of teachers: 20.
Number of students: 200.

Lakehead College of Arts, Science and Technology: Port Arthur, Ont.; courses in applied science and engineering preparatory to a degree.

Montreal Institute of Technology: 200 Sherbrooke Street West, Montreal; f. 1907; to train young men for the higher technical jobs in industry.

Principal: ROSARIO BELISLE, P.T.
Vice-Principal: W. W. WERRY, M.A., C.A., B.COM.

Number of teachers: (Full-time) 67, (Part-time) 16.
Number of students: (Day) 724, (Night and Special) 2,836.

New Brunswick Technical Institute: Moncton, N.B.; departments of vocational teacher training, business education, technology, and trades and occupations,

Nova Scotia Land Survey School: Laurencetown, N.S.; course in land surveying, photo-grammetry and cartographic drafting.

Papermaking Institute of the Province of Quebec: 2250 St. Olivier Street, Trois Rivières, Quebec; f. 1923.

Director: GASTON FRANCOEUR, P.T.

Number of teachers: 17.
Number of students: 150.

Provincial Institute of Mining: Haileybury, Ontario; f. 1944.

Principal: O. E. WALLI.

Number of teachers: 7.
Number of students: 100.

Provincial Institute of Trades: 21 Nassau Street, Toronto, 2B, Ontario; f. 1951.

Principal: GORDON WRAGG.

Number of teachers: 90.
Number of students: 3,700.

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Ryerson Institute of Technology: 50 Gould Street, Toronto, Ontario; f. 1948; courses in engineering technology, business and arts.

Principal: H. H. KERR.
Vice-Principal (Academic Division): A. R. LOW.
Vice-Principal (Technology Division): J. W. HAZLETON
Vice-Principal (Business Division): A. N. PARSONS.
Registrar: A. SAURO.
Librarian: Miss M. S. MACGREGOR.
Number of students: 2,750.

Saskatchewan Technical Institute: Moose Jaw, Saskatchewan; f. 1958.

Principal: R. J. REYNOLDS.

Textile Institute: 2255 Laframboise Boulevard, St. Hyacinthe, Quebec; f. 1945; courses in chemistry and dyeing, designing and weaving, knitting, woollen and worsted yarn manufacturing and cotton manufacturing.

Principal: GEO. MOORE.

Number of teachers: 23.
Number of students: 150.

Vancouver Vocational Institute: Vancouver, B.C.; courses in engineering, commerce and navigation, etc.

SCHOOLS OF ART AND MUSIC

The Royal Canadian College of Organists: Toronto; f. 1909.
President: HENRY ROSEVEAR, F.C.C.O.

Maritime Conservatory of Music: Halifax, Nova Scotia.

Royal Conservatory of Music: University of Toronto, Toronto 5, Ontario; Dir. L. BOYD NEEL, C.B.E., B.A.

School of Music: University of Manitoba, Winnipeg, Manitoba; Dir. R. W. GIBSON, MUS.B.

Banff School of Fine Arts (*University of Alberta*): Banff, Alberta; f. 1933.
Principal: Dr. DONALD CAMERON.

Nova Scotia College of Art: 64 Coburg Road, Halifax; f. 1887.
Principal: DONALD CAMERON MACKAY, F.R.S.A., N.S.A., F.N.S.C.A.

Ontario College of Art: 100 McCaul Street, Toronto 2B, Ontario; f. 1880.
Principal: SYDNEY H. WATSON, R.C.A., O.S.A.

School of Art: University of Manitoba, Winnipeg, Manitoba; f. 1913.
Director: R. E. WILLIAMS, B.A., M.F.A.

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CEYLON

Population 10,644,809

LEARNED SOCIETIES

Alliance Française: 77 Ward Place, Colombo; Dir. H. FUSEILLIER.

British Council: Steuart Lodge, 154 Galle Road, Colombo 3; Rep. R. K. BRADY; office at Kandy.

Buddhist Academy of Ceylon: 109 Rosmead Place, Colombo.

Ceylon Geographical Society: c/o Dept. of Mineralogy, Hunupitiya, Lake Road, Colombo 2.

Ceylon Palaeological Society: c/o Prof. K. KULARATNAM, University of Ceylon, Peradeniya, Ceylon.

Ceylon Society of Arts: Art Gallery, Green Path, Colombo, 7; f. 1887.

Classical Association of Ceylon, The: f. 1935; 120 mems.; Pres. C. H. DAVIDSON, B.A., DIP.EDUC. (Lond.); Hon. Sec. E. C. S. PERERA, B.A., "Theosdoron", De Alwis Place, Dehiwela.

German Cultural Institute: 59 Alexandra Place, Colombo, Ceylon.

Maha Bodhi Society of Ceylon: 130 Maligakanda Road, Maradana, Colombo 10; f. 1891 for propagation of Buddhism throughout the world; 4,000 mems.; Hon. Sec. LALITH HEWAVITARANE; Admin. Sec. Maj. H. R. SENEVIRATNE; publs. *Sinhala Bauddhaya* (weekly), *Sinhala Bauddhaya* (Vesak number; annual).

National Education Society of Ceylon: Hon. Sec. Dr. T. R. A. RUBERU; Dept. of Education, University of Ceylon, Peradeniya.

Royal Asiatic Society: University Building, Thurstan Road, Colombo 3; f. 1845 and incorporated with the Royal Asiatic Society of Great Britain and Ireland; institutes and promotes inquiries into the history, religions, languages, literature, arts, sciences and social conditions of the present and former inhabitants of Ceylon and connected cultures; Pres. R. L. BROTHIER, O.B.E., F.R.I.C.S., F.R.G.S.; library contains one of the largest existing collections of books on Ceylon, and others on Indian and Eastern culture in general; publ. *Journal.*

Theosophical Society of Ceylon: Besant House, 49 Peterson Lane, Colombo, 6.

RESEARCH INSTITUTES

Central Agricultural Research Institute: Experiment Station, Peradeniya; f. 1962; to cover all forms of agriculture and veterinary research.

Ceylon Association for the Advancement of Science: President Dr. W. R. C. PAUL, 18/2 Galkande Road, Kandy, Ceylon.

Ceylon Institute of Scientific and Industrial Research: 363 Bullers Road, Colombo 7; f. 1955; Dir. Dr. ALVAPILLAI SUNDRALINGAM, B.SC., PH.D.(Lond.), F.R.I.C., F.I.R.I.; Chief Research Officer S. F. LAURENTIUS, M.B.A., M.SC.(TECH.), A.C.T.M., A.R.I.C.; Head Chemical Technology Dr. A. H. WEERAKOON, B.SC., PH.D.; Head Process Engineering Dr. R. SIVARAMALINGAM, B.SC., PH.D., A.R.I.C., A.INST.F.; Head Rubber Technology M. S. WIJERATNE, B.SC., A.I.R.I.; Head Applied Physics Dr. S. GNANALINGAM, M.A., PH.D., B.SC., A.M.I.E.E., MEM.I.R.E.; Research Officers: P. THARMALINGHAM, B.SC., M.SC., A.R.I.C., A.I.M.; K. RATNASINGHAM, B.SC.; E. E. JAYARAJ, B.SC., M.SC.; L. J. FERNANDO, B.SC.; United Nations Industrial Management Training Adviser J. T. VIDEM, M.SC. (Dipl. Ing.); applied technical research institute working in many fields, for industry, Government agencies, and the public; publs. *Annual Report, Bulletin.*

Ceylon Medical Association: Specialists' Room, General Hospital, Colombo 8; f. 1885; Pres. Dr. A. D. P. A. WIJEGOONE-WARDENE; Hon. Sec. S. A. CABRAAL, F.R.C.S. (Eng.).

Chest Hospital (*formerly King George V Memorial Hospital*): Welisara; conducts research into tuberculosis; training school attached; Superintendent (T.B.) Dr. J. R. WILSON; Medical Officer-in-Charge Dr. C. MAHENTHIRAN; Sec. W. E. DE ZOYSA.

Coconut Research Institute: Bandirippuwa Estate, Lunuwila; autonomous research institute serving coconut industry of Ceylon; f. 1929; Dir. Dr. M. L. M. SALGADO, PH.D.)Cantab.), B.SC. (Lond.), DIP. AGRIC. (Cantab.); Sec. S. C. KAHAWITA, B.COM.; library of 8,000 vols.; publs. *Ceylon Coconut Quarterly, Ceylon Planters' Review, Annual Reports, Bulletins.*

Colombo Observatory: Buller's Road, Colombo; f. 1907; climatological data for Ceylon; seismology; time service; astronomical service; radar, wind and radiosonde observations for Colombo; admin. headquarters of Ceylon Meteorological Service; national meteorological broadcasts; Dir. D. J. JAYASINGHE.

Government Research Departments:

Department of Archæology: Edinburgh Terrace, Colombo; preservation and excavation of ruins and ancient monuments.

Department of Cultural Affairs: Dharmapala Mawata, Colombo 7; preservation of traditional culture; Dir. P. E. WEEYAMAN, B.A. (Lond.).

Department of Fisheries, Research Station: P.O. Box 531, Macan Macar Mawatta, Colombo 3; Officer-in-Charge Dr. A. C. J. WEEREKOON.

Department of Mineralogy: Mineralogical Museum, Colombo.

Department of Wild Life: Echelon Square, Colombo.

Fisheries Research Station: Negombo.

Rice Research Station: Batalagodoa.

Economic Research Unit: Business Intelligence Dept., Bank of Ceylon, Colombo; Officer-in-Charge A. C. POULIER.

Medical Research Institute: Borella, Colombo; f. 1900; comprising departments of Bacteriology, Serology, Vaccines, Mycology, Nutrition, Parasitology, Helminthology, Entomology, Clinical Pathology, Biochemistry, Virology and Pharmacology; Deputy Dir. of Health (Laboratory Services) Dr. D. B. GUNASEKEVA, M.D. (Lond.), M.R.C.P.; Sec. T. A. DOLE.

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Royal Botanic Gardens: Peradeniya; f. 1821; Supt. D. M. A, JAYAWEERA, M.SC., F.L.S.; Asst. Supt. D. T. EKANAYAKE. B.SC.; Curator S. B. TENNEKOON, B.SC.

Rubber Research Institute of Ceylon: Agalawatta; f. 1930; consists of laboratories and experimental stations extending over 1,000 acres; research and advisory service on rubber production; Dir. E. D. C. BAPTIST, PH.D.; Chief Admin. Officer C. D. DE FONSEKA, A.C.C.A. & S.; publs. *Annual Report, Quarterly Journals, Advisory Circulars, Bulletins.*

School of Agriculture, School Farm and Experiment Station: Peradeniya; Principal School of Agriculture S. E. G. SALGADO, B.SC.(AGRIC.); Manager Experiment Station S. THAMBIAYAH.

Tea Research Institute of Ceylon: St. Coombs, Talawakelle; f. 1925; maintained by a cess on all tea exports; laboratories at St. Coombs, Talawakelle; Dir. A. W. R. JOACHIM, O.B.E., B.SC., PH.D. (Lond.), F.R.I.C.; publ. *Tea Quarterly and Bulletin.*

LIBRARIES

Ceylon Institute of Scientific and Industrial Research Library: 363 Bullers Road, Colombo 7; f. 1955; 12,000 vols., 210 journals; standards and manufacturers' catalogues of several countries; Librarian V. MAHALINGAM, B.A., B.L.S.; Asst. Librarian Miss C. L. M. NETHSINGHA, B.SC., A.L.A.

Ceylon Medical Library: Faculty of Medicine, Kynsey Road, Colombo 8; f. 1844; 21,103 vols.; serves the Faculty of Medicine of the University and members of the medical profession; Hon. Sec. D. F. WEINMAN, F.R.C.S. (Eng.); Librarian VINCENT DE SILVA; publ. *Ceylon Medical Journal.*

Ceylon University Library: Peradeniya; Branch Library in Colombo; formerly library of Ceylon University College; 150,000 vols.; Librarian S. C. BLOK, B.A., F.L.A.

Colombo National Museum Library: Edinburgh Crescent, Colombo 7; 75,000 vols., 1.035 periodicals; Librarian LYN DE FONSEKA.

Department of Government Archivist: Gangodavila, Nugegoda; f. 1656 under Dutch; maintained by British from 1796 to 1947; collection mainly of Dutch and British records, with some documents in Portuguese, French, Sinhalese and Tamil; library of 5,500 vols.; Archivist A. DEWARAJA, B.A.

Law Library: Hultsdorp, Colombo 12.

National Bibliography Office: c/o The Library, University of Ceylon, Peradeniya; f. 1962; prepares the current National Bibliography; functions under the Government Archivist as a Branch of the Department of the Government Archivist; publs. *Ceylon National Bibliography* (monthly and annually).

Office of the Registrar of Books and Newspaper: Gangodavila, Nugegoda; preserves copies of all books printed in Ceylon after 1885; approx. 93,000 books received; Registrar A. DEWARAJA, B.A.; publs. *Catalogue of Books* (quarterly) and *Catalogue of Newspapers* (annually).

Public Library: 18 Edinburgh Crescent, Colombo 7; f. 1925; 36,000 vols.; Librarian Mrs. ISHVARI COREA, B.A.(HONS.) (Cey.), DIP. LIB. (Lond.), A.L.A.

Tea Research Institute Library: "St. Coombs", Talawakelle; f. 1925; about 6,000 vols. for reference and loan, including a specialist reference section dealing with tea and its allied subjects; Librarian STEVE DE SILVA, B.SC.

MUSEUMS

National Museums of Ceylon: Colombo; Dir. P. E. P. DERANIYAGALA, M.A., A.M., F.C.P.S., F.Z.S.; publs. *Spolia Zeylanica* (Bulletin of the National Museums of Ceylon) (quarterly or half-yearly), *Administration Report of the Director of National Museums, Ceylon* (annual), *Ceylon National Museums Manuscript Series, Ceylon National Museums Geological Series, Ceylon National Museums Zoological Series, Ceylon National Museums Anthropological Series, Ceylon National Museums Historical Series.*

Colombo National Museum: Colombo; f. 1873; zoology, palæontology, prehistory, archæology, art, and orientalia; Dir. P. E. P. DERANIYAGALA, M.A., A.M.

Jaffna National Museum: Jaffna; f. 1947; Dir. P. DERANIYAGALA; Curator A. KANDIAH.

Kandy National Museum: Kandy; f. 1942; Dir. P. DERANIYAGALA; Curator L. B. BANDARANAYAKA.

Ratnapura National Museum: Ratnapura; f. 1942; Dir. P. DERANIYAGALA; Curator R. V. GUNASEKERA (Acting).

Science Museum: Colombo; f. 1960; including the UNESCO exhibition on the atom, "Energy and its Transformation".

UNIVERSITIES

UNIVERSITY OF CEYLON

PERADENIYA

Telephone: Colombo 8349

Founded 1942 by the incorporation of the Ceylon Medical College (f. 1870) and the Ceylon University College (f. 1921). In 1959 the University was empowered to grant external degrees.

Chancellor: H.E. THE GOVERNOR-GENERAL OF CEYLON.
Vice-Chancellor: Sir NICHOLAS ATTYGALLE, F.R.C.S. F.R.C.O.G., D.L.O., L.M.S., D.SC.
Registrar: W. A. JAYAWARDANA, M.A.

Number of teachers: 251.
Number of students (1962-63): 5,117.

DEANS:

Faculty of Oriental Studies: Prof. D. E. HETTIARATCHI.
Faculty of Arts: Prof. O. H. DE A. WIJESEKERA.
Faculty of Science: Prof. B. L. T. DE SILVA.
Faculty of Medicine: Prof. O. E. R. ABHAYARATNE.
Faculty of Engineering: Prof. E. O. E. PEREIRA.
Faculty of Agriculture and Veterinary Science: Prof. C. A. MACGAUGHEY.

PROFESSORS:

Faculty of Oriental Studies:
HETTIARATCHI, D. E., M.A., PH.D. (Sinhalese).
JAYAWICKRAMA, N. A., B.A., P.L.A., (Pali).
KANAPATHIPILLAI, K., B.A., PH.D., VIDWAN (Tamil).
WIJESEKERA, O. H. DE A., M.A., PH.D., DIPL. O.S. (Sanskrit).

Faculty of Arts:
AMERASINGHE, C. W., B.A. (Lond.), M.A. (Cantab.) (Classics).
JAYASURIYA, J. E., M.A. (Lond.) (Education).
KULARATNAM, K., M.A., PH.D. (Lond.) D.U. (Paris) (Geography).
NADARAJA, T., B.A., BAR.-AT-LAW (Law).
PARANAVITANA, S., C.B.E., PH.D. (GEY), HON. D.LITT. (Archæology).
PASSÉ, H. A., B.A., PH.D. (Lond.) (English).
PEIRIS, R., B.SC., PH.D. (Sociology).

Faculty of Science:
DE SILVA, B. L. T., M.SC., PH.D. (Botany).
MAILVAGANAM, A. W., O.B.E., M.A., PH.D., F.N.A.S.C. (Physics).

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Faculty of Medicine:
ABHAYARATNE, O. E. R., D.P.H., L.R.C.P. AND S. (Edin.), L.R.F.P. AND S. (Glas.) (Public Health).
BIBILE, S. W., M.B.B.S., PH.D. (Pharmacology).
CHAPMAN, T. E. D., M.B.B.S., PH.D., DIP.BACT. (Bacteriology).
COORAY, G. H., M.D., B.S., M.R.C.S., L.R.C.P., D.T.M. & H. (Pathology).
DE SILVA, P. C. C., M.D., M.R.C.P. (Pædiatrics).
DISSANAYAKE, S. B., F.D.S., R.C.S., L.D.S., B.D. (Dental Surgery).
FERNANDO, H. V. J., M.B.B.S., M.A. (Forensic Medicine).
HOOVER, A. A., B.SC., PH.D. (Biochemistry).
JAYAWARDENA, R. P., L.M.S., M.D., M.R.C.P. (Medicine).
KOCH, A. C. E., PH.D., L.M.S. (Physiology).
PAUL, MILROY, M.S., F.R.C.S., M.R.C.P., F.I.C.S. (Surgery).
RAJASURIYA, K., L.M.S. (Cey.), M.R.C.P., M.D. (Cey.) (Medicine).
RANASINGHE, D. A., F.R.C.S., M.R.C.O.G., L.M.S. (Obstetrics and Gynæcology).
SIVALINGHAM, V., M.R.C.P., D.T.M. & H., L.R.C.P. & S., L.M.S. (Parasitology).
WAAS, M. J., L.M.S., PH.D. (Anatomy).

Faculty of Engineering:
PAUL, R. H., B.SC., M.A., M.I.E.E., F.R.S.A. (Electrical Engineering).
PEREIRA, E. O. E., B.SC., B.A., A.M.I.C.E. (Civil Engineering).

Faculty of Agriculture and Veterinary Science:
CHANDRARATNA, M. F., B.SC., PH.D. (Agriculture).
MACGAUGHEY, C. A., M.A., M.SC., M.R.C.V.S., D.V.S.M. (Veterinary Science).

VIDYALANKARA UNIVERSITY OF CEYLON

KELANIYA, COLOMBO
Telephone: Kelaniya 247

(Formerly Vidyalankara Pirivena; raised to University status by Act of Parliament in 1959)

Chancellor: H.E. The GOVERNOR-GENERAL of Ceylon.
Vice-Chancellor: Ven. Pandit KIRIWATTUDUWE SRI PANNASARA, Nayaka Thero.

Faculties of Buddhist Studies, Arts, Languages and Philosophy.

Number of professors: 12.
Number of lecturers: 18 full-time.

VIDYODAYA UNIVERSITY OF CEYLON

GANGODAWILA, NUGEGODA
Telephone: 395

(Formerly Vidyodaya Pirivena; raised to University status by Act of Parliament in 1959; Buddhist)

Chancellor: H.E. The GOVERNOR-GENERAL of Ceylon.
Vice-Chancellor: (Vacant).
Registrar: D. J. KUMARAGE, M.B.E., B.A.
Librarian: Ven. WERAGODA AMARAMOLI, Nayaka Thero, Pandit (O.S.S.).

Number of teachers: 10 professors, 21 lecturers, 22 assistant lecturers, 52 visiting lecturers.
Number of students: 2,030.

DEANS:
Faculty of Philosophy: Ven. PARAWAHERA VAJIRAGNANA, Nayaka Thero.
Faculty of Buddhism: Ven. PALANNORUWE WIMALADHAMMA, Nayaka Thero.
Faculty of Languages: Ven. KALUKONDAYAWE PANNASEKARA, Maha Nayaka Thero.
Faculty of Arts: P. E. P. DERANIYAGOLA.
Faculty of Science: G. P. WICKRAMARACHI.

PROFESSORS:
Ven. PARAWAHERA VAJIRAGNANA, Nayaka Thero (Philosophy).
Ven. PALANNORUWE WIMALADHAMMA, Nayaka Thero (Therawada Buddhism).
Ven. BALANGODA ANANDA MAITRIYA, Maha Nayaka Thero (Mahayana Buddhism).
Ven. BALAGALLE WIMALABUDDHI, Thero (Sinhala).
Ven. KALUKONDAYAWE PANNASEKERA, Maha Nayaka Thero (Pali and Prakrit).
DERANIYAGALA, P. E. P. (Anthropology).
GUNATUNGA, L. D. K. (English).
GUNAWARDANA, D. C. (Science).
MUKERJI, K. P. (Economics).
WICKRAMARACHI, G. P. (Ayurveda).

RAMANATHAN UNIVERSITY

JAFFNA

Founded 1963

The Government has decided to found the University for the promotion of the Tamil language and Hindu culture.

THAMBAPANNI SARASVIYA UNIVERSITY

ANURADHAPURA

Founded 1961 for writers, poets and painters

Principal: PREMA KUMAR EPPIETAWELA.

COLLEGES

CEYLON LAW COLLEGE

244 HULFTSDORD STREET, COLOMBO 12

Incorporated 1900.

Chairman: The Hon. H. H. BASNAYAKE, Q.C., Chief Justice.
Principal: M. F. S. PULLE, Q.C.

Number of lecturers: 23.
Number of students: 197.

Ceylon Technical College: Colombo 10; courses in engineering, and commerce.
Director: S. L. DE SILVA, B.SC., PH.D., DIP.CHEM.ENG.
Registrar: K. M. D. PERERA, B.COM.
Secretary: N. G. DE SILVA.
Librarian: M. H. W. THABREW.

Government Training College: Colombo-Maharagama; f. 1903; for the training of secondary school teachers.
Principal: D. G. SUGATHADASA, M.A. (Ed.) (Lond.), B.SC. (Lond.).

Institute of Practical Technology: Katubedde, Moratuwa; courses in engineering.
Principal: L. H. SUMANADASA, B.SC., A.C.G.I., D.I.C., A.F.R.A.E.S.
Registrar: G. D. RANASINGHE, B.A.

Jaffna College: Vaddukoddai; provides training for external degrees of Ceylon and London Universities in arts, science and economics; Pres. Rev. S. K. BUNKER; Registrar J. H. ARIYARATNAM.

Jaffna Aquinas College: Bambalapitiya, Colombo; provides training for London University external degrees.

School of Agriculture: Peradeniya; f. 1916; 110 students.
Principal: S. E. G. SALGADO, B.SC.(AGRIC.).

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CHILE

Population 7,802,209

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Santiago

Academia Chilena de la Lengua (*Chilean Academy*): Avda. Bernardo O'Higgins 1407; f. 1885; sixth in order of foundation in Spanish America; corres. mem. of the Real Academia Española, Madrid; publ. *Boletín.*

Director: Rodolfo Oroz.
Secretary: Pedro Lira Urquieta.
Treasurer: Fidel Araneda Bravo.

Members (by seniority):

Iglesias, Augusto
Díaz Arrieta, Hernán
Scarpa, Roque Estéban
Barrios, Eduardo
Maluenda, Rafael
Pino Saavedra, Yolando
Silva Castro, Raúl
Edwards Bello, Joaquín
Latcham Alfaro, Ricardo
Eyzaguirre Gutiérrez, Jaime
Donoso González, Francisco
Barrenechea, Julio
Bulnes, Alfonso
Durán Villareal, Fernando
Reyes, Salvador
Garretón Silva, Alejandro
García Vergara Lautaro
Millas, Jorge
Silva Espejo, René (*elected*).
Pereira Salas, Eugenio (*elected*).
Guzmán Cruchaga, Juan (*elected*).

Academia Chilena de Ciencias Naturales (*Chilean Academy of Natural Sciences*): Lord Cochrane 418; f. 1926; Pres. Dr. Hugo Gunckel L.; Sec. Hans Niemeyer; publ. *Anales.*

Academia Chilena de la Historia (*Academy of History*): Casilla 13370; f. 1940; publs. *Boletín; Serie de Publicaciones de la Academia Chilena de la Historia.*

Asociación de Educación Nacional (*National Educational Association*): Pres. Dr. Carlos Fernández Peña; Sec.-Gen. Alvaro Rivera M.

Asociación Judicial de Chile (*Law Society of Chile*): Santo Domingo 1373.

British Council (*Consejo Británico*): Casilla 154 D; Representative N. S. Whitworth; co-operates through British-Chilean Institutes in Santiago, Valparaiso and Concepción.

Colegio de Farmacéuticos de Chile (*College of Pharmacists*): Casilla 1136; f. 1942; Pres. V. M. Cerece da Arancibia; regional councils in Angol, Antogafasta, Chillán, Concepción, Iquique, Magallanes, Santiago, La Serena, Talca, Temuco, Valdivia, Valparaíso; publ. *Revista Colegio Farmacéutico*; 1,800 mems.

Comité Nacional de Geografía, Geodesia y Geofísica (*National Geographical, Geodetic and Geophysical Committee*): Castro 354; f. 1935 to encourage and co-ordinate research in the fields mentioned; Pres. Gen. Ramón Cañas Montalva; Gen.-Sec. Col. Ing. Geog. Raúl Fuenzalida Correa.

Estación de Patología Vegetal (*Plant Pathology Station*): Departamento de Defensa Agricola, Quinta Normal, Casilla 4647; f. 1896; library, 2,600 vols.; Chief Engineer Sergio Tartakowsky Henker; publ. *Agricultura Técnica.*

Estación Etnológica de Chile (*Chilean Ethnological Station*): Quinta Normal.

Estación Experimental de la Sociedad Nacional de Agricultura (*National Agricultural Society Experimental Station*): Fundo "La Vega", Huelquen-Paine; f. 1924; Dir. Jorge Benavides; publ. *Memoria Anual.*

Fundación Gildemeister: Augustinas esq. Amunátegui 178, 3° Piso, Casilla 99-D; f. 1947 to co-operate with public or private institutions, universities, etc., in medical research and particularly in the diffusion of the technique of thoracic surgery, cardiology, neurology and neurosurgery; Pres. Walter Piza; Hon. Sec. Julia Cohen; publ. *Revista-Memoria.*

Instituto Agronómico de Chile (*Chilean Agricultural Institute*): Facultad de Agronomía de la Universidad de Chile, Quinta Normal, Casilla 1004; f. 1876; library, 12,000 vols.; Librarians Elba Barrenechea and Olga N. de Pincheira; publ. *Boletín Bibliográfico.*

Instituto Bacteriológico de Chile (*Chilean Bacteriological Institute*): Casilla 48; f. 1929; Dir. Prof. Dr. Eduardo Dussert; publ. *Boletín.*

Instituto Chileno-Británico de Cultura (*Chilean-British Cultural Institute*): organises language courses, literary readings and art exhibitions; library of 12,500 vols.

Instituto Chileno-Francés de Cultura: Agustinas 719, Casilla 3567; Dir. Jean Dedieu.

Instituto de Ingenieros de Chile (*Institute of Chilean Engineers*): San Martín 352, Casilla 487; f. 1900; publ. *Anales.*

Instituto Geográfico Militar (*Military Geographical Institute*): Castro 354; f. 1922; Dir. Col. Eduardo Saavedra Rojas; publs. *Revista Geográfica de Chile Terra Australis, Anuario del Instituto.*

Instituto Médico Legal (*Institute of Forensic Medicine*): Av. La Paz 1012.

Instituto de Geofisica y Sismologia (*Institute of Geophysics and Seismology*): Universidad de Chile, Blanco Encalada 2008, Casilla 2777; f. 1908; Dir. Dr. Cinna Lomnitz; publs. *Yearbook, Seismological Provisional Readings* (every ten days) and other works including earthquake charts.

Istituto Italiano di Cultura: Calle Huérfanos, 1828; Dir. Prof. Giuseppe Cardillo.

Observatorio Astrofisico "Manuel Foster" (*Observatory of the Catholic University of Chile*): Casilla 6014; Dean Raúl Devés; Dir. Erich P. Heilmaier K.

Observatorio Astronómico de la Universidad de Chile (*Astronomical Observatory of the Univ. of Chile*): Casilla 36-D; f. 1852; library of 5,000 vols.; Dir. Prof. Federico Ruttlant; publ. *Anuario.*

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Observatorio del Salto (*Salto Observatory*): Casilla 130; f. 1919; Sections: Solar, Meteorological-Bioclimatological, Geophysical, Magnetic and Seismological; Dir. JULIO BUSTOS NAVARRETE; publs. *Boletín Mensual*; daily scientific broadcasts.

Oficina de Mensura de Tierras, Sección Geodética (*Survey Office, Geodetical Department*): Casilla 247; publ. *Memorias*.

Oficina Meteorológica de Chile (*Meteorological Bureau*): Casilla 717; f. 1911; library, 6,500 vols.; Dir. Comandante de Escuadrilla GUSTAVO HAMEAU URIBE, Head of Chilean Meteorological Service; 99 meteorological stations; publs. *Boletín Diario, Boletín Mensual, Anuario*.

Servicio Nacional de Estadística y Censos (*Statistical Office*): Cienfuegos 210, Casilla 1317; f. 1843 ;Dep. Dir. SERGIO CHAPARRO RUIZ; publs. *Anuarios Estadísticos, Revista Mensual, Estadística Chilena, Censos*.

Sociedad Agronómica de Chile (*Agronomical Society of Chile*): Casilla 4109; f. 1910; no. of mems. about 650; Pres. ANÍBAL LEÓN; Dir. of the review *Simiente* GUSTAVO SARAVIA.

Sociedad Chilena de Entomología (*Entomological Society*): Casilla 4150; Pres. Dr. ROBERTO DONOSO; Sec. J. GALLARDO; 89 mems.; publ. *Revista Chilena de Entomología*.

Sociedad Chilena de Historia y Geografía (*Chilean Society of History and Geography*): Casilla 1386; f. 1911; Pres. MANUEL MONTT; Sec.-Gen. F. CAMPOS HARRIET; Treas. SERGIO MARTINEZ BAEZA; 250 mems., 10 hon., 60 corresponding; publs. *Revista Chilena de Historia y Geografía*, related works.

Sociedad Chilean de Historia Natural (*Chilean Society of Natural History*): Casilla 787; f. 1926; Pres. Dr. ROBERTO DONOSO B.; Sec. JOSÉ VALENCIA; publ. *Revista Chilena de Historia Natural*.

Sociedad Chilena de Microbiología e Higiene (*Chilean Society of Microbiology and Hygiene*): publ. *Revista*.

Sociedad Chilena de Tisiología (*Chilean Phthisiological Society*): f. 1933; Pres. Dr. GONZALO CORBALÁN; Sec. Dr. VICTOR SIERRA; publ. *Revista*.

Sociedad Científica de Chile (*Scientific Society of Chile*): Casilla 696; f. 1891; Pres. Prof. HUMBERTO BARRERA V.; Vice-Pres. Dr. FERNANDO CASASBELLAS, Dr. HUGO K. SIEVERS; Sec. Prof. MARIO DUGISIN K.; publ. *Revista*.

Sociedad Científica Chilena "Claudio Gay" (*Chilean Scientific Society*): Casilla 2974; f. 1946; library, 2,600 vols.; Pres. RAOUL CORTÉS P.; Sec. OCTAVIO BARROS V.; Treas. MARIO ERRÁZURIZ L.; Curator of Museum LUIS E. PEÑA; 122 mems.

Sociedad de Bibliófilos Chilenos (*Society of Chilean Bibliophiles*): Casilla 895; f. 1945; Pres. ALAMIRO DE AVILA; Sec. RAMÓN EYZAGUIRRE; 100 mems.; publ. *El Bibliófilo Chileno* (quarterly).

Sociedad de Cirugía de Chile (*Surgical Society of Chile*): Calle Paris 809; f. 1922; Sec. Dr. E. GREENE; publ. *Boletín*.

Sociedad de Medicina Veterinaria de Chile (*Chilean Veterinary Society*): School of Veterinary Medicine; Clasificador 740; f. 1926; 325 mems.; Pres. Dr. E. GALLARDO KOCH; Sec. Dr. A. GAGGERO CAPELLARO; publ. *Revista*.

Sociedad de Neurología, Psiquiatría y Medicina Legal (*Society of Neurology, Psychiatry and Forensic Medicine*): f. 1931; Pres. Prof. Dr. O. FONTECILLA; Sec. Dr. ROJAS CARVAJAL.

Sociedad Médica de Santiago (*Santiago Medical Society*): Casilla 23; f. 1869; library, 20,000 vols.; Pres. Dr. RENATO GAZMURI OJEDA; Sec. Dr. EDUARDO KATZ CUADRA; 500 mems.; publ. *Revista Médica de Chile* (monthly).

Sociedad Nacional de Agricultura (*National Society of Agriculture*): Casilla 40 D; f. 1838; library, 40,000 vols.; research in agricultural, social and economic problems; controls a plant genetics experimental station and a broadcasting chain with stations in three cities; register of pedigree cattle kept; annual cattle and agricultural machinery show since 1869; Pres. VÍCTOR BRAUN; Sec. CÉSAR SEPULVEDA LATAPIAT; publ. *El Campesino*.

Sociedad Nacional de Minería (*National Society of Mining*): Moneda 759; f. 1883; Pres. HERNÁN VIDELA LIRA; publ. *Boletín Minero*.

Escuela "El Vergel" (*El Vergel Agr. School*): Casilla 2-D; f. 1920; secondary agricultural school on the experimental farm established by the Methodist Church in Chile for practical training purposes, experimental work and agricultural extension; comprises seven sections: plant nursery, orchards, dairy, general farming, reafforestation, vegetable gardening and museum; Gen. Admin. W. F. MASON; Dir. Agric. School R. C. LANG; Dir. Girls' School SEMERAMIS KUTZ; Dir. Emeritus Agric. School and Curator Museum D. S. BULLOCK; publs. plant catalogue, related pamphlets, museum pamphlets.

Concepción

Colegio Farmacéutico de Chile (*Pharmaceutical College of Chile*): Casilla 265; f. 1943; fmrly. Sociedad Farmacéutica; has various Regional Councils; publ. *Revista Químico-Farmacéutica*.

Institut Culturel Franco-Chilien: Casilla 348.

Sociedad de Biología de Concepción (*Concepción Biological Society*): Casilla 29; f. 1927; affiliation of Société de Biologie de Paris; library, 400 periodicals; Pres. Prof. Dr. ALFONSO MARTÍNEZ; Sec. Prof. MARIO ALARCÓN; 100 mems.; publ. *Boletín*.

Sociedad Médica de Concepción (*Medical Society*): Casilla 60-c; f. 1886; Pres. Dr. ENRIQUE BELLOLIOZ; publ. *Anales Médicos de Concepción*.

Valparaiso

Departamento de Navegación e Hidrográfia de la Armada (*Department of Navigation and Hydrography of the Navy*): Errázuriz 232; Casilla 324; f. 1874; Dir. GUILLERMO BARROS G., Capitán de Navio; publs. *Anuario Hidrográfico, Derroteros* (sailing directions), charts, tide tables, and lists of lighthouses, etc.

Instituto Oceanográfico de Valparaíso (*Oceanographic Institute*): Avda. Errázuriz 471, Casilla 117-v; f. 1945; affiliation of Liga Marítima de Chile (*see under*); Pres. Dr. EDWYN P. REED; incorporates representatives of the Corporación de Fomento de la Producción, Chilean Navy, Univs. of Chile, Concepción, the Catholic Univs. and the Liga Marítima de Chile; small specialised library; museum.

Liga Marítima de Chile (*Chilean Maritime League*): Avda. Errázuriz 471, Casilla 117-v; f. 1914; Patron, the Pres. of the Chilean Republic; Pres. Vice-Admiral CARLOS TORRES HEVIA; Vice-Pres. KAARE OLSEN NIELSEN, ERNESTO DIGHERO LAJAÑA; Sec. LUIS VERDUGO RIVEROS; Treas. HUMBERTO POBLETE S.; 1,350 mems.; brs. in Iquique, Tocopilla, Santiago, Concepción, Tomé, Valdivia, Puerto Montt and Punta Arenas; affiliations: Instituto Oceanográfico de Valparaíso (*see above*) and

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Instituto Náutico de Chile (yachting, rowing, fishing), both of the same address; publ. *Mar* (bi-monthly); small sea museum (Museo del Mar "Héctor Vigil").

Sociedad Médica de Valparaiso (*Medical Society of Valparaiso*): Avda. Brasil 1689; f. 1913; library, 3,200 vols.; Pres. Dr. Carlos Pattillo Bergen; Sec. Dr. Hernan Orellana Guzman; 271 mems.; publ. *Revista Médica de Valparaiso* (quarterly).

Sociedad de Oftalmología de Valparaíso (*Ophthalmological Society of Valparaiso*): Plaza A. Pinto 341; affil. to Sociedad Médica de Valparaiso; f. 1928; Dir. Dr. Carlos Silva Lafrente; Sec. Dr. Armando H. Chapparo.

Sociedad de Pediatría de Valparaíso (*Pædiatrics Society of Valparaiso*): Victoria 2335; f. 1932; affil. to Sociedad Médica de Valparaiso; Pres. Dr. Eliecer Lara H.; Sec. Dr. Roberto Pedemonte; 30 mems.

Viña del Mar

Estación de Biología Marina de Montemar (*Marine Biology Research Station, University of Chile*): Casilla Postal 13-D, Viña del Mar; f. 1941; Asst. Dir. Prof. Hector Etcheverry Daza; comprises Sections of Zoology (Head, Dr. Walter Fischer); Botany (Head, Prof. Héctor Etcheverry Daza), Chemistry (Head, Prof. Regina Cubillos Moya); 15 mems.; scientific investigators are invited to work in the laboratories of the Institute; 10,000 vols. in specialised library; publ. *Revista de Biología Marina* (3 nos. per annum); the Institute also houses the Comité Internacional Latino-Americano de Oceanografía, Biología Marina y Pesca (Latin American Int. Cttee. on Oceanography, Marine Biology and Fishery); Chair. Dr. P. Yáñez; Gen. Sec. Prof. Celestino Castro Alvarenga.

LIBRARIES AND ARCHIVES

Santiago

Archivo Nacional (*National Archives*): Av. Bernardo O'Higgins y MacIver; f. 1927; Dir. Juan Eyzaguirre Escobar; Sections: Historic and Public Administration, comprising collections of related MSS. documents; publs. catalogues, inventories, etc.

Biblioteca de la Recoleta Dominicana (*Library of the Dominican Recollect*): f. 1750; Librarian Pedro Moure Salcedo; 60,000 vols.

Biblioteca de la Universidad Católica de Chile: Av. Bernardo O'Higgins 340, Casilla 114D; f. 1895; 70,000 vols.; Dir. Maria Teresa Sanz Briso-Montiano.

Biblioteca Central de la Universidad de Chile: Avenida Bernardo O'Higgins 1058, Casilla 10D; f. 1936; the Central University library contains more than 200,000 vols., comprising donations from Great Britain, the United States and Spain, and from private collections, including those of Pedro Montt and Alejandro Fuenzalida Grandón; there are 40 other libraries in the University with an aggregate of 1,000,000 vols.; Dir. of Central Library Prof. Alamiro de Avila-Martel.

Biblioteca del Congreso Nacional (*Congress Library*): f. 1883; Dir. Jorge Ugarte Vial; Chief Law Section Antonio Vodanovic; Chief Cataloguing Section José Zamudio; 250,000 vols. on law, politics and economics, principal dictionary-catalogues, books, articles from reviews, foreign and national laws; open to the public.

Biblioteca del Instituto Nacional (*National Institute Library*); Calle Arturo Prat; f. 1857; Dir. Ernesto Boero Lillo: 30,000 vols.; publ. *Boletín*.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of Ministry of Foreign Affairs*): Government library.

Biblioteca Nacional de Chile (*National Library*): Avenida B. O'Higgins 651; f. 1813; Dir. Eduardo Barrios; Gen. Sec. Ernesto Galliano; Librarians G. Feliú Cruz, R. Silva Castro; 700,000 vols., 640 MSS., 83 incunabula.

British Institute Library: Textinos 307, Casilla 154-D; f. 1938; 12,000 vols., mostly by British and American authors.

Concepción

Biblioteca de la Universidad de Concepción: f. 1927; 44,000 vols.; numerous periodicals.

Valparaiso

Biblioteca Severin de Valparaíso (*Severin Library*): Plaza Bolívar; f. 1873; Dir. Roberto Hernández C.; Sub-Dir. Urbano Rojas Castillo; 81,541 vols.; Sections: Chile and General.

MUSEUMS

Santiago

Museo de Anatomía Humana "Manuel Villela" (*Anatomical Museum*): Universidad Católica de Chile; f. 1930; Dir. Dr. Juan Vial.

Museo de Arte Contemporáneo (*Contemporary Art*): Quinto Normal; Dir Marco Bontá Costa.

Museo de Arte Popular Americano (*Arts of the American Peoples Museum*): Cerro Santa Lucía; f. 1944; Dir. Tomás Lago; traditional minor arts and industries, ritual, folklore, etc., of the Americas, Araucanian silverware.

Museo de Historia Natural de San Pedro Nolasco (*Natural History Museum*): Huérfanos 669, Casilla 525; f. 1912; Dir. Rev. Inocencio Beltrán Beltrán.

Museo Histórico Nacional de Chile (*National Historical Museum*): Casilla 9764; f. 1911; incorporates the old Museo de Etnología y Antropología de Chile, which is now the Section of Prehistory; Dir. Carlos Larrain de Castro; Sections: Prehistory and Folklore (13,675 exhibits), History and Military (10,265 exhibits); publ. *Revista*.

Museo Mineralógico (*Mineralogical Museum*): Quinta Normal.

Museo Nacional de Bellas Artes (*National Museum of Fine Arts*): Parque Forestal; f. 1880; library, 256 vols.; Dir. Luis Vargas Rosas; paintings, engravings and etchings total 4,064, 367 pieces of sculpture.

Museo Nacional de Historia Natural (*National Museum of Natural History*): Casilla 787; f. 1830; Departments: Vertebrates, Invertebrates, Entomology, Hydrobiology, Botany, Cryptogams, Phanerogams, Mineralogy and Geology, Palæontology, Anthropology; Dir. Humberto Fuenzalida V.; publ. *Boletín, Anales*.

Angol

Museo Dillman S. Bullock: Casilla 2-D Angol; f. 1946; Curator Dillman S. Bullock, D.Sc.; general local flora and fauna; birds, mammals, reptiles, insects; extensive local archæological collection.

Concepción

Museo de Concepción (*Concepción Museum*): Pedro de Valdivia No. 1693, Casilla 58; f. 1903; Dir. Prof. Fidel Jeldes Aravena.

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Hualpen, near Concepción

Museo de Hualpen (*Hualpen Museum*): f. 1882; Curator Prof. HERNÀN SAN MARTÍN; collections of Greek, Roman and Egyptian Archæology; best arms and numismatic collections in Chile; Oriental art; Chilean and American folk arts; Chilean archæology; eighteenth and nineteenth-century furniture.

Punta Arenas

Museo Regional de los Padres Salesianos (*Salesian Regional Museum*): Instituto "Don Bosco", Av. Bulnes 374, Casilla 347; f. 1913; Dir. Pbro. EDUARDO VAN HESSE; ethnographical (notable relics of extreme South American and Tierra del Fuegan tribes) and scientific.

Temuco

Museo Araucano de Temuco (*Araucanian Museum*): Andrés Bello 785, Casilla 481; f. 1940; opened to the public 1943; Dir. Prof. EDUARDO PINO ZAPATA; more than 3,000 artistic and folklore exhibits of the Araucanian Indians of South Chile and others relating to the Conquest and Pacification of Araucania.

Valparaiso

Museo de Historia Natural de Valparaiso (*Natural History Museum*): Calle Errázuriz 254, Playa Ancha; f. 1879; Dir. Prof. JOHN JUGER SILVER.

UNIVERSITIES

UNIVERSIDAD AUSTRAL DE CHILE
(Southern University of Chile)

CASILLA 567, VALDIVIA
Telephone: 1356

Founded 1954

Rector: EDUARDO MORALES MIRANDA.
Secretary-General: JUAN PISCHEDDA LARRAÍN.

Number of teachers: 70.
Number of students: 460.

DEANS:

Faculty of General Studies: ITALO CAORSI CHOUQUER.
Faculty of Veterinary Medicine: ALFREDO SCHÜLER VON DELITZ.
Faculty of Agriculture: RICARDO WESTERMEYER EIMBCKE.
Faculty of Forestry Engineering: GUILLERMO MITTAK KOENES.
Faculty of Philosophy and Education: ELEAZAR HUERTA VALCÁRCEL.

UNIVERSIDAD DE CHILE
(University of Chile)

AVENIDA BERNARDO O'HIGGINS 1058,
CASILLA 10 D., SANTIAGO
Telephone: 82451

Founded 1738 as Universidad Real de San Felipe; inaugurated 1843 as Universidad de Chile.

Rector: JUAN GOMEZ MILLAS.
Secretary-General: ALVARO BUNSTER.

Departmento de Difusión Cultural; Dir. FRANCISCO GALDAMES.

Editorial Universitaria, S.A.; Man. EDUARDO CASTRO.

Number of teachers: 1,200.
Number of students: 14,509.

Publications: *Anales de la Universidad de Chile, Anales* of the different faculties, *Revistas*; literary, historical and educational works; classics.

DEANS:

Faculty of Architecture: JUAN MARTÍNEZ GUTIERREZ.
Faculty of Juridical and Social Sciences: DARIO BENAVENTE.
Faculty of Physical and Mathematical Sciences: CARLOS MORI GANNA.
Faculty of Medicine: HERNAN ALESSANDRI.
Faculty of Odontology: Dr. ENRIQUE PHILLIPS.
Faculty of Economical Sciences: LUIS ESCOBAR.
Faculty of Philosophy and Education: EUGENIO GONZÁLEZ ROJAS.
Faculty of Music: ALFONSO LETELIER LLONA.
Faculty of Fine Arts: LUIS OYARZÚN PEÑA.
Faculty of Veterinary Science: Dr. RICARDO ABEL.
Faculty of Chemistry and Pharmacy: Dn. LUIS CERUTTI.
Faculty of Agronomy: Dn. RUY BARBOSA.

PROFESSORES (*Ordinarios*):

Faculty of Architecture:
AEDO CARRASCO, FRANCISCO (Technology of Materials).
AGUIRRE DEL CANTO, SANTIAGO (Architecture and Town Planning).
BEDRACK MOISÉS (Town Planning).
BEHM ROSAS, HERNÁN (Agricultural Analysis and Urban Organisation).
CÁCERES OSORIO, HÉCTOR (Drawing).
CARACCI ONETTO, FERNANDO (Modelling).
CECCHI DÍAZ, CÉSAR (Biology and Hygiene.
DÁVILA, ROBERTO (Architectural Composition).
ETCHEBARNE RIOL, JUAN (Installations).
ETCHEVERRY ORTHOUS, GASTÓN (Descriptive Geometry).
FENNER NARÍN, ERIC (Legislation).
FERRADA, DOMINGO (Mathematics).
FERRADO, NICOLÁS (Building Construction).
FIGUEROA CARRASCO, OSVALDO (Descriptive Geometry).
GALVAN LLORENTE, VENTURA (Modelling).
GARCÍA TELLO, JOSÉ (Biology and Hygiene).
GEISSE VARAS, GUILLERMO (Topography).
GODOY, IVÁN (Architectural Projects and Town Planning).
GONZÁLEZ ESPINOSA, SERGIO (Architectural Analysis and Town Planning).
GUZMÁN ALVAREZ, EUCLIDES (Technology of Materials).
IBÁÑEZ VALENZUELA, JULIO (Stability).
KIRBERG BALTIANSKY, ENRIQUE (Installations).
MARDONES RESTAT, HÉCTOR (Architectonics).
MARDONES RESTAT, JULIO (Architectural Analysis and Town Planning).
MARTÍNEZ, JUAN (Architectural Composition).
MORALES MALVA, JOSÉ R. (History of Art).
PERELMAN ROTT, SIMÓN (Construction).
PÉREZ CASTELBLANCO, ENRIQUE (Applied Mechanics).
POBLETE, JORGE (Town Planning).
PRIETO CASANOVA, LEÓN (Architectonics).
RIVERA, AGUSTÍN (Trigonometry and Algebra).
SCHÁPIRA SPAISKY, ABRAHAM (Technical Drawing).
TAPIA CHUAQUI, RICARDO (Architecture and Town Planning).
TAPIA MOORE, ASTOLFO (Sociology).
TORREALBA DUQUE, ORLANDO (Architecture and Town Planning Projects).
URQUIETA TOGNARELLI, HORACIO (Descriptive Geometry).
VELIZ MONTOYA, RAÚL (Applied Mechanics).
WEIL WOHLKE, EDWIN (Architecture and Town Planning).
ZENTILLI MILANO, AQUILES (History of Architecture).

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Faculty of Juridical and Social Sciences:

ALEGRÍA, MARIO (Constitutional History of Chile).
ALESSANDRI, FERNANDO (Procedural Law).
ALVAREZ, HUMBERTO (Procedural Law).
AVILA MARTEL, ALMIRO DE (History of Law).
AYLWIN AZOCAR, PATRICIO (Administrative Law).
BALTRA, ALBERTO (Political Economy).
BARROS, ERNESTO (Public International Law).
BUNSTER BRICEÑO, A. (Penal Law).
CAMUS MARDONES, C. R. (Financial Law).
CARRASCO ACUÑA, J. (Forensic Practices).
CARVALLO CONCHA, A. (Introduction to Juridical and Social Sciences).
CARVALLO HEDERRA, S. (Financial Law).
CASARINO VITERBO, M. (Procedural Law).
CASTRO CASTRO, R. (Mineral Law).
CID QUIROZ, B. (Roman Law).
CIFUENTES BARRIENTOS, H. (Public Law).
CORREA LABRA, E. (Procedural Law).
COUSIÑO, LUIS (Forensic Medicine).
CRICHTON SOLAR, ANDRES HOYD (Labour Law).
CUMPLIDO CERECEDA, F. (Constitutional Law).
ECHAVARRIA, ALBERTO (Procedural Law).
ESCALA BARROS, ENRIQUE (Commercial Law).
ESCUDERO, JULIO (Public International Law).
EWING GRAHAM, ARTURO (Commercial Law).
EYZAGUIRRE, ECHEVERRÍA RAFAEL (Commercial Law).
EYZAGUIRRE, GUTIERREZ JAIME (General History of Law).
FERNANDEZ VILLAMAYOR, ANGEL (Legal Medicine).
FRIGOLET ZAMORA, EINAR (Political Economy).
FUENZALIDA PUELMA, SERGIO (Civil Law).
FUEYO LANERI, FERNANDO (Civil Law).
GAETE BERRÍOS, ALFREDO (Labour Law).
GAJARDO VILLARROEL, ENRIQUE (Law).
GONZÁLEZ MORALES, RODOLFO (Penal Law).
GUZMÁN ESCOBAR, OSCAR (Constitutional Law).
GUZMÁN, JORGE (Constitutional Law).
HEISE GONZÁLEZ, JULIO (Constitutional History of Chile).
HENRÍQUEZ ESCOBAR, OSCAR (History of Law).
HERRERA SILVA, J. (Commercial Law).
HOYOS HERENCHSON, F. (Procedural Law).
HUBNER GALLO, JORGE IVÁN (Introduction to the Study of Law).
LASALVIA COPENE, RAFAEL (Commercial Law).
LEÓN ALVARADO, C. (Philosophy of Law).
LEÓN HURTADO, A. (Civil Law).
LOPEZ PESCIO, BERMEVAL (Procedural Law).
LÓPEZ ROJAS, HUGO (Civil Law).
LORCA ROJAS, GUSTAVO (Roman Law).
MATUS BENAVENTE, DIEGO (International Law).
MATUS VALENCIA, JUAN GUILLERMO (Civil Law).
MAZA, LORENZO DE LA (Civil Law).
MELO FREEMAN, BENJAMIN (Penal Law).
MÉNDEZ BRAÑA, RAMIRO (Procedural Law).
MENDOZA LUMBRERAS, HERACLIO (Commercial Law).
MEZA BARROS, RAMÓN (Civil Law).
MILLAS JIMENEZ, JORGE (Philosophy of Law).
MORI GANA, CAMILO (Private International Law).
MOSQUERA RUIZ, M. (Procedural Law).
MUZICA BEZANILLA, FERNANDO (Civil Law).
OLATE CERDA, W. (Penal Law).
OLAVARRÍA AVILA, JULIO (Commercial Law).
OLSEN PROVIST, ENRIQUE (Forensic Medicine).
OVALLE, JORGE (Constitutional Law).
OYARZUN GALLEGOS, RUBÉN (Political Economy).
PACHECO GÓMEZ, MAXIMO (Introduction to Law).
PEREIRA ANABALÓN, HUGO (Procedural Law).
PESCIO VARGAS, VICTORIO (Civil Law).
PINTO ROGERS, HUMBERTO (Civil Law).
PINTO SANTA CRUZ, FRANCISCO (Political Economy).
PRATS GONZÁLEZ, BELISARIO (Constitutional History of Chile, Industrial and Agricultural Law).
PUGA DOMINGUEZ, EUGENIO (Legal Medicine).
QUIROZ WEBER, DANIEL (Industrial and Agricultural Law).
RAMIREZ GABELLA, DANIEL (Roman Law).
RETTIG, RAÚL (Philosophy of Law).
RIOSECO, ALBERTO (Political Economy).
RODRÍGUEZ, JORGE (Industrial and Agricultural Law).
ROSENDE, HUGO (Civil Law).
RUIZ BOURGEOIS, CARLOS (Mining Law).
RUIZ DEL SOLAR, MARCELO (Public International Law).
SALVAT, MANUEL (History of Law).
SCHAULSON NUMHAUSER, JACOBO (Civil Law).
SCHWEITZER SPEISKY, MIGUEL (Penal Law).
SERANI BURGOS, ALEJANDRO (Civil Law).
SILVA CIMMA, ENRIQUE (Administrative Law).
SOYA, CARLOS (Economic Sciences).
URIBE HERRERA, ARMANDO (Mining Law).
URRUTIA, MANUEL (Procedural Law).
VARAS, FERNANDO (Private International Law).
VARELA CABALLERO, ALEX (Administrative Law).
VARELA VARELA, RAÚL (Commercial Law).
VELASCO LETELIER, EUGENIO (Civil Law).
WALKER, FRANCISCO (Labour Law).
ZULOAGA VILLALÓN, ANTONIO (Civil Law).

Faculty of Physical and Mathematical Sciences:

120 Ordinary Professors.

Faculty of Medicine:

ACEVEDO D., ENRIQUE (Surgery).
ADRIASOLA E., GUILLERMO (Maternal and Infantile Hygiene).
AGOSIN K., MOISES (Chemistry).
ALESSANDRINI, ITALO (Surgery).
ALLAMAND M., JUAN (Surgery).
ARIZTÍA, ANÍBAL (Pædiatrics).
ARMAS, RODOLFO (Medicine).
ARMIJO, ROLANDO (Epidemiology).
AVENDAÑO, OSCAR (Medicine).
BADINES, ORLANDO (Embriology).
BAEZA, ARTURO (Pædiatrics).
BEHM, HUGO (Biostatistics).
BRINCK, GUILLERMO (Neurology).
CUEVAS, HERNÁN (Radiology).
DUSSERT, EDUARDO (Microbiology).
ESCOBAR, ADOLFO (Surgery).
FERNÁNDEZ, JORGE (Neuro-anatomy).
GARCIA, RAÚL (Obstetrics).
GARRETÓN, ALEJANDRO (Medicine).
GREZ, ANÍBAL (Otorhinolaringology).
HEVIA, HERNÁN (Dermatology).
HOECKER, GUSTAVO (General Biology).
HORWITZ, ABRAHAM (Hygiene and Preventive and Social Medicine).
KRALJEVIC, ROQUE (Infectious Diseases).
MARDONES, JORGE (Pharmacology).
MATTE, IGNACIO (Psychiatry).
MENA, ISMAEL (Pathological Anatomy).
MIDDLETON, SAMUEL (Physiology).
NEGHME, AMADOR (Parasitology).
OBERTI, CARLOS (Normal Histology).
ORREGO, HÉCTOR (Phthsiology).
PAOLINELLI, LIVIO (Physics).
PIZZI, TULIO A. (General Pathology).
PRIETO, ERNESTO (Orthopædics and Infantile Surgery).
PUGA, JUAN (Obstetrics).
ROJAS, FRANCISCO (Medicine).
ROMERO, HERNAN (Hygiene and Preventive and Social Medicine).
SANTA, JULIO (Nutrition).
SCROGGIE, ARTURO (Pædiatrics).
SOLAR, MIGUEL (Hospital Organisation).
TISNÉ, LUIS (Obstetrics).
UGARTE, JOSE (Biostatistics).
UNDA, FRANCISCO (Sanitary Engineering).
URRUTIA, DOMINGO (Propadeutics).
URZUA, HERNAN (Administration and Public Health).
VACCARO, HUGO (Bacteriology).
VALDIVIESO, RAMÓN (Medicine).
VARGAS, ALFREDO (Forensic Medicine).
VARGAS, RUPERTO (Surgery).
VARGAS O., HUMBERTO (Normal Anatomy).
VARGAS S., ROBERTO (Urology).
VELASCO, ALFREDO (Surgery).
VERDAGUER, JUAN (Ophthalmology).
VIEL, BENJAMIN (Hygiene and Social and Preventive Medicine).
WOOD, JUAN (Gynæcology).

Faculty of Odontology:

ABARCA, FRANCISCO (Chemistry).
ACEVEDO DAVENPORT, ENRIQUE (General Pathology).
ACUÑA, RAUL (Orthodontics).
ALESSANDRINI, ITALO (Oral Surgery).

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ANDWANTER, GUILLERMO (Oral Surgery).
BIZOVIC RADONIC, FRANCISCO (Dental Radiology).
CHACÓN GÓMEZ, ERNESTO (Crowns and Bridges).
CONTRERAS STARK, ROBERTO (Radiology).
GUNTER, BRUNO (Physiology).
HOMAR ROIG, DAMIAN (Oral Surgery).
IGLESIAS, JOAQUÍN (Operational Dentistry).
ILABACA, LUIS (Stomatological Pathology).
LARA, FERNANDO (Microbiology and Oral Surgery).
MALDONADO, RICARDO (Histology).
MEDINA, CARLOS (Anatomy).
MIDDLETON, SAMUEL (Physiology).
MUÑOZ AGUAYO, CARLOS (Pharmacology).
NOÉ, MARIO (Biology).
OBERTI, CÁRLOS (Histology).
PAOLINELLI, LIVIO (Physics).
PHILLIPS RODRIGUEZ PEÑA, ENRIQUE (Oral Surgery).
RAMÍREZ, MANUEL (Orthodontics).
SCHMUTZEL, RODOLFO (Orthodontics).
SCHNAIDT, OTTO (Prosthesis).
SILVA, HECTOR (Crowns and Bridges).
TORIELLO, ARTURO (Orthodontics).
VASQUEZ, RENE (Chemistry).
VILLASECA, RODOLFO (Oral Surgery).
VILLAVICENCIO RUBIO, JUAN (Parodontics).
WAINSTEIN SABAT, ABRAHAM (Anatomy).
YAÑEZ, PARMENIO (Biology).

Faculty of Economics and Commerce:

AL CAZAR, JORGE (Agricultural Economics).
ARIAS CASTRO, RENATO (Financial Mathematics).
BANDE, JORGE (Insurance).
BARRERA, MANUEL J. (Sociology).
BESIO OXILIA, ATILIO (Accounting).
BOENINGER, EDGARDO (Political Economy).
BRAVO FLORES, HERNAN RAÚL (Infinitesimal Calculus).
CID, BENJAMÍN (Introduction to Law).
CONTRERAS, NARCISO (Organisation and Administration).
DÍAZ CONTRERAS, HUMBERTO (Technology and Industrial Processes).
DYVINETZ, MIGUEL (Industrial Processes).
ESCOBAR CERDA, LUIS (Political Economy).
ESPINOZA, JORGE E. (Law of Nations).
FUENSALIDA, JAIME (Business Finance).
GONZÁLEZ, MIGUEL ANGEL (Accountancy).
IAMPAGLIA SGUBIN, JUAN (Accountancy).
IDE, JORGE (Accountancy).
JEANNERET, ANDRÉS (Auditing).
LEHUEDÉ, JORGE (Organisation and Administration).
MALDONADO VALENZUELA, ROBERTO (Econometrics).
MASSAD, CARLOS (Economics, Finance and Banking).
MESTELAN GRIÑO, RENÉ (Commercial Law).
MIRANDA SALAS, EDUARDO (Statistics).
MOLINA, SERGIO.
MORGADO, EMILIO (Labour Law).
PARDO, LUIS H. (Labour Law).
PINTO SANTA CRUZ, ANÍBAL (Public Finance).
POSSEL, GUSTAVO (Rationalisation of Methods).
QUEZADA RIQUELME, FEUPE (Economic Geography).
QUILODRAN, FEDERICO E. (Economic Theory).
RENCORET BRAVO, ALVARO (Tax Legislation).
SCHIEFELBEIN, ERNESTO (Algebra and Trigonometry).
TORÁN GRADO, LUIS (Trigonometry).
TOLEDO GUZMÁN, ABRAHAM (Auditing).
VERA, JOSE (Politics and Economic Organisation).
VISKOVIC BRAVO, PEDRO (Statistics).
ZUNINO, HUGO (Principles and Technique of Public Administration).

Faculty of Philosophy and Education:

113 Ordinary Professors.

Faculty of Music:

BECERRA SCHMIDT, GUSTAVO (Analysis of Composition).
BOTTO BALLARINO, CARLOS (Harmony).
CARTES MORALES, BRUNILDA (Music Teaching).
CASTRILLON MORALES, ELCIRA (Piano Interpretation).
CERDA, LILA (Singing).
GAYAN CONTADOR, ELISA (Applied Psychology).
GODIN VON SCHWARZENHORN, AUGUSTA (General History of Art).
HAAS, ANDRÉE (Rhythmic and Aural Training).
HERRERA MARIN, CRISTINA (Piano Interpretation).
LEDERMANN CRISINEL, ERNESTO (Violin).
LEHMANN SIMÓN, RODOLFO (Piano).
MARGAÑO MENA, LUIS (Music Teaching).
OYUELA SUPERVIELLE, CLARA (Opera).
PLAZA MESA, ARABELLA (Piano).
SALAS VIU, VICENTE (History of Music).
SANTANDER SANTANDER, INES (Piano).
UTHOFF BIEFANG, ERNST (Dancing and Eurhythmics).

Faculty of Fine Arts: 39 Ordinary Professors.

Faculty of Veterinary Science: 13 Contract Professors.

Faculty of Chemistry and Pharmacy:

ALDEA LINDENAU, ALEJANDRO (Galenic Pharmacy).
ARANCIBIA, AQUILES (Industrial Pharmacy).
BOCAZ, ALBINO (Biometry and Statistics).
BRAVO, RAÚL (Organic Chemistry).
BUNEL, SERGIO (General Chemistry).
CAIOZZI, MARIO (Analytical Qualitative Chemistry).
CERUTTI, LUIS (Organic Chemistry).
CORI, OSVALDO (General Biochemistry).
CROXATTO, ARNALDO (Industrial Chemistry).
FIGARY, RENATO (Mathematics).
GAUTHIER AUXENCE, ELENA (Pharmacognosy).
GONZÁLEZ, CLAUDIO (Bacterial Physiology and Immunology).
GOYENECHEA, ANTONIO (Mathematics).
GUNTKEL, HUGO (General and Systematic Botany).
HESSE, EGBERTO (Physics).
HOECKER, GUSTAVO (General Biochemistry).
LUXORO, MARIO (Biophysics).
MARDONES, JORGE (Pharmacodynamics).
MELO, HÉCTOR (Mineralogy and Hydrology).
MERCADO, CARLOS (Physics).
MEZA, MARIO (Mathematics).
OJEDA, MARIO (Instrumentation).
PEREZ, JOSE (Toxicology).
PEREZ S., JOSE (Anatomy and Macroscopy).
POZO, HÉCTOR (Inorganic Chemistry).
RAMIREZ CARTAGENA, MARTA (Chemical Phsyiology and Pathology).
ROMEO VALLEJOS, SINFORIANO (Pharmaceutical Chemistry).
SAN MIGUEL, MODESTO (Mathematics).
SCHALSCHABECKER, EDUARDO VICTOR (Quantitative Analytical Chemistry).
SCHMIDT, HERMANN (Bromatology).
TRUMPER, SAMUEL (Organic Chemistry).
VALENZUELA, RICARDO (Pharmaceutical Deontology).
VIRGILIO, RAEFAL (Microbiology and Immunology).

Faculty of Agronomy:

ALONSO, LEONARDO (Apiculture, Honey Production).
BARBOSA, RUV (Oenology).
CANO, AGUSTÍN (General Statistics and Applied Mathematics).
CONTRERAS, DAVID (Forage Production).
CONTESSE, GUSTAVO (Fruit Technology).
CORBEAUX, PEDRO (Pig Production).
CORNEJO, MARIO (Animal Health).
CORTAZAR, RENÉ (Genetics).
CHATEAUNEUF, ROLANDO (General Economics).
DALGALARRANDO, JORGE (Milk Technology, Zootechnics).
DANERI, RAÚL (Wine Production).
DAVANZO, RAÚL (Horticulture).
DELGADO, ENRIQUE (Business Administration).
DÍAZ, CARLOS (Fertilizers and Soil Enrichment).
ENRÍQUEZ, RENÉ (Special Phytotechnics).
ESPINA, LEONIDAS (Econometrics).
FUENZALIDA, HUMBERTO (Geology).
GARCÍA, GUILLERMO (Sheep and Goat Production).
GONZÁLEZ, ROBERTO (Agricultural Entomology, Zoology).
JORDÁN, EDUARDO (Irrigation).
JULIET, FERNANDO (Hydraulic Mechanics).
MAIGE, JOSE (Agrarian Economics).
MANNARELLI, VIRGILIO (Commerce).
MARTÍNEZ, OSCAR (Floriculture and Parks).
MERINO, HERNÁN (Animal Genetics).
MEZA, MARIO (Zootechnics).
MUÑOZ, CARLOS (Botany).
NAVARETTE, HERNÁN (Economic Theory).
PISANO, EDMUNDO (Arboriculture).
POLLONI, BERNARDO (Technology of Animal Production).
PORTE, EDUARDO (Sheep and Equine Production).
PRATS, BELISARIO (Agricultural Legislation).
RODRÍGUEZ, MANUEL (General Phytotechnics).

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SEPULVEDA, LEO R. (Zootechnics).
TARTAKOWSKY, SERGIO (Microbiology).
TROLLUND, ERICK (Climatology).
VALENZUELA, HERNÁN (Forestry Administration).
YAÑEZ, ENRIQUE (Organic Chemistry).

SELECTED AFFILIATED SCHOOLS AND INSTITUTES:

Conservatorio Nacional de Música (*National Academy of Music*): Compañía 1264.
Director: CARLOS BOTTO VALLARINO.

Escuela Práctica de Agricultura (*Practical Agricultural School*): Avenida Ecuador 3467.
Director: ALCIBIADES BIONDI.

Escuela de Agronomia (*Agricultural School*): Quinta Normal.
Director: JORGE DALGALARRANDO ARRIAGADA.

Escuela de Arquitectura (*School of Architecture*): Pedro Aguine Cerda 6655.
Director: EUCLIDES GUZMAN.

Escuela de Artes Aplicadas (*School of Applied Arts*): Arturo Prat 1171.
Director: VENTURA GALVAN LLORENTE.

Escuela de Bellas Artes (*School of Fine Arts*): Parque Forestal, Santiago.
Director: CARLOS PEDRAZA OLGUÍN.

Escuela de Construcciones Civiles (*Building School*): Alameda Bernardo O'Higgins 1511.
Director: HERNÁN ESTEVEZ CORDOVEZ.

Escuela Dental (*Dental School*): Av. Santa María 571.
Director: ARTURO TORIELLO.

Escuela de Derecho de Santiago (*Santiago Law School*): Pío IX-Bellavista.
Director: EUGENIO VELASCO LETELIER.

Escuela de Economía y Comercio (*School of Economics and Commerce*): Av. República 517.
Director: EDUARDO MIRANDA SALAS.

Escuela de Enfermeras (*School of Nursing*): Zañartu 1040; f. 1910; first School of Nursing in South America.
Director: ROSALBA FLORES.

Escuela de Ingenieria (*School of Engineering*): Av. Beauchef 850.
Director: ENRIQUE D'ETIGNY.

Escuela de Medicina (*Medical School*): Av. Independencia 1023; f. 1906; library, 33,000 vols.
Director: Dr. BENJAMÍN VIEL VICUÑA.

Escuela de Medicina Veterinaria (*School of Veterinary Medicine*): Quinta Normal.
Director: Dr. BENJAMIN CORNEJO.

Escuela de Obstetricia y Puericultura (*School of Obstetrics and Child Welfare*): Alameda Bernardo O'Higgins 130.
Director: RAÚL GARCÍA VALENZUELA.

Escuela de Química y Farmacia (*School of Chemistry and Pharmacy*): Av. Vicuña Mackenna 20.
Director: Dr. HERMAN SCHMIDT HEBEL.

Escuela de Biblioteconomia (*School of Librarianship*).
Director: ALBERTO VILLALON.

Escuela de Ciencias Politicas y Administrativas (*School of Political and Administrative Sciences*).
Director: JORGE GUZMAN DINATOR.

Escuela de Geologia (*School of Geology*).
Director: HUMBERTO FUENZALIDA.

Ingenieria Forestal (*Forestal Engineering*).
Director: ANDRE CONSIGNY.

Escuela de Periodismo (*School of Journalism*).
Director: MARIO PLANET.

Escuela de Psicologia (*School of Psychology*).
Director: MANULE POBLETE.

Escuela de Sociologia (*School of Sociology*).
Director: ROBERTO MUNIZAGA.

Escuela de Contadores Auditores (*School of Accountancy*).
Director: GABRIEL ANTONIO IBARRA.

Escuela de Salubridad (*School of Health*): Maratón-Av. Sur Nuñoa 1000.
Director: HERNAN URZÚA MERINO.

Escuela de Servicio Social, Santiago (*School of Social Work, Santiago*): Huérfanos 1840.
Director: ANA MACAULIFFE.

Similar schools are located in Valparaiso, Concepción and Temuco.

Instituto de Educación Física y Técnica (*Institute of Physical and Technical Training*): Morandé 750.
Director: LUIS BISQUERT.

Instituto Pedagógico (*Institute of Education*): Avenida J. P. Alessandri 774.
Director: OSCAR MARIN.

Instituto Secundario de las Escuelas Artísticas (*Secondary Institute of the Schools of Art*): formerly Instituto Secundario de la Facultad de Bellas Artes (*Secondary Institute of Faculty of Fine Arts*).
Director: ENRIQUE ASTORGA.

Departmento do Extension Cultural (*Department of Extension Courses*): Huérfanos 1117; Dir. FRANCISCO GALDAMES; maintains correspondence schools and a mobile library service, and organises Mid-Term Sessions (*Escuelas de Temporadas*) which are attended by some 4,000 students during the year.

UNIVERSIDAD DE CONCEPCIÓN
(Concepción University)

CONCEPCIÓN

Founded 1919.

President and Rector: Dr. IGNACIO GONZALEZ GINOUVES.

Vice-President: HUGO TRUCCO LEE.

Secretary-General: CARLOS MONREAL BELLO.

Treasurer: MARIANO GARCÍA CAMPO.

Central Library (*Chief Librarian:* CORA RIQUELME DE PARGA); 50,000 vols.; approximately 280,000 reviews and miscellaneous publs.

Publications: *Atenea* (monthly; science, art and letters; founded 1924); *Revista de Derecho* (quarterly; juridical and social sciences; founded 1932); *Boletín de la Sociedad de Biología* (founded 1927); *Memoria* (annual).

DIRECTORS AND DEANS:

School of Law:
Director: JUAN BIANCHI B.
Dean: MANUAL SANHAUZA CRUZ.

School of Medicine:
Director: Dr. RAFAEL DARRICARRERE TORBALAY.
Dean: IVAR HERMANSEN PEREIRA.

Faculty of Philosophy and Education:
Director: RENE CANOVAS ROBLES.
Dean: RODOLFO ZANARTU ARRATIA.

School of Chemistry and Pharmacology:
Director: ANIBAL PINTO A.
Dean: LUIS VARGAS C.

Faculty of Engineering:
Director: GUSTAVO PIZARRO CASTRO.
Dean: CESAR FIGHETTI SPADA.

Faculty of Odontology:
Director: ANTONIO KOKIC R.
Dean: ARTURO DEL SOL RAMIREZ.

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PROFESSORS:

School of Law:

ACUÑA ESTAY, JORGE (Labour Law).
ARELLANO ALARCÓN, JUAN (Civil Law).
BIANCHI BIANCHI, JUAN (Procedural Law).
BRAIN RIOJA, HÉCTOR (Penal Law).
CERDA MEDINA, MARIO (Constitutional Law).
COLVIN PÁVEZ, ALBERTO (Penal Law).
DOMÍNGUEZ BENAVENTE, RAMÓN (Civil Law).
DUMAY DERAMOND, ALEJANDRO (Chilean Constitutional History).
GALAZ ULLOA, SERGIO (Constitutional Law).
GARCÍA DURÁN, TELMO (History of Law).
GESCHE MULLER, BERNARDO (Private International Law).
HERRERA REYES, LUIS (Roman Law).
INOSTROZA CÁRDENAS, MISAEL (Roman Law).
ITURRA PACHECO, ESTEBAN (Commercial Law).
JARPA FERNANDEZ, MARIO (Political Economy).
JAQUE ARANDA, DUBERILDO (Administrative Law).
LEÓN HURTADO, AVELINO (Civil Law).
LLANOS MEDINA, ARTURO (Penal Law).
MONSALVE JARA, QUINTILIANO (Industrial and Agricultural Law).
OTÁROLA AQUEVEQUE, HUMBERTO (Public International Law).
PECCHI CROCE, CARLOS (Procedural Law).
PEÑA LÓPEZ, ROLANDO (Public International Law).
PUGA SEGUEL, ALBERTO (Introduction to Law and Social Sciences, Philosophy of Law).
RIOSECO ENRÍQUEZ, EMILIO (Commercial Law).
SAAVEDRA BELMAR, PABLO (Law of Labour).
SALAS QUEZADA, JULIO (Procedural Law).
SALAS VIVALDI, JULIO (Procedural Law).
SANHUEZA CRUZ, MANUEL (Chilean Constitutional History).
SPOTTKE SOLÍS, AGUSTÍN (Commercial Law).
TAPIA ARQUEROS, HUGO (Civil Law).
TAPIA SUÁREZ, ORLANDO (Forensic Medicine).
TORRES RAMÍREZ, HUMBERTO (Introduction to Law and Social Sciences).
URREJOLA ARRAU, ALFONSO (History of Law).
VARAS DODD, FRANCISCO (Mining Law).
VERGARA VERGARA, RENÉ (Procedural Law).

School of Medicine:

ARAYA CHIAPPA, PEDRO (Pediatrics).
AUERSPERG SCH., ALFREDO (Psychiatry).
BAEZA HERRERA (Urology).
BARDISA UBEDA, LUIS (Pharmacology).
BECKDORF, SAUNIER (Surgery).
BEHN KUHN, FRANCISCO (Forensic Medicine).
BELLOLIO Z., PEDRO (Oto-rhino-larynology).
BIEL CASCANTE, FRUCTUOSO (Introduction to Medicine).
CONCHA BARAHONA, JUAN (Physiology and Physiopathology).
DARRICARRERE TORBALAY, RAFAEL (Bacteriology).
ENRIQUEZ BELLO, DARIO (Surgery).
ENRIQUEZ FRODDEN, EDGARDO (Anatomy).
GARRETÓN UNDA, ILDEFONSO (Phthisiology).
GONZALEZ MARTIN, JUAN (Dermatology).
HENCKEL CHRISTOPH, CARLOS (Histology, Embryology).
HERMANSEN PEREIRA, IVAR (Medicine).
LARENAS OVALLE, ALBERTO (Obstetrics).
MARTINEZ MARDONES, ALFONSO (Pathological Anatomy).
MATAMALA RAABE, RENÉ (Surgery).
MELO MELO, RAÚL (Orthopædics and Child Surgery).
MOENA GÓMEZ, ALBERTO (Biochemistry).
OCAMPO MUÑOZ, HECTOR (Gynaecology).
OLIVER, SCHNEIDER (Ophthalmology).
PINO TIRAPEGUY, MARIO DEL (Dietetics, Nutrition).
SAN MARTÍN F., HERNÁN (Preventive and Social Medicine).
SKEWES ORELLANA, EDUARDO (Neurology).
VIVALDI C., ENNIO (Physical Pathology).

Faculty of Philosophy and Education:

ACUÑA DE GAZABATT, ENA (Didactics).
ALLENDES, DE LA CUADRA (Philosophy, Comparative Literature).
BAHAMONDES, GONZALEZ (Spanish Grammar and Methodology).
BENAVENTE ARAVENA, ROGELIO GASTON (Psychology).
BERTENS CHARNLEY, MAXIMO (English Grammar and Historical Grammar).
BRUZZONE ZULETA, ENRIQUE (Algebra).
CONCHA BARAHONA, JUAN (Physiology).
CANOVAS ROBLES, RENÉ (Spanish Grammar).
CHIZELLE AUBRAY, ROBERT (French Literature).
CONCHA MARDONES, MANUEL (Universal Geography).
CONTRERAS WEIBEL, HELES (Linguistics).
DARRICARRERE TORBALAY, RAFAEL (Hygiene).
DONOSO NUÑEZ, GUIDO (Universal History).
ENRIQUEZ FRODDEN, EDGARDO (Anatomy).
FIGUEROA DE GAJARDO, YOLANDA (Methodology of Mathematics).
GUERRERO VERDUGO, RAÚL (Human Geography).
HENCKEL CHRISTOPH, CARLOS (Histology).
ILABACA GUAJARDO, PEDRO (Physical Geography).
KNIGHT DYE, GEORGE, (English Literature).
LILLO GOMEZ, ROSARIO (Methodology of History).
LEFEBVRE ROBLEDO, ALFREDO (Spanish Literature).
LOVELUCK MACPHERSON, JUAN (Hispano-American Literature).
LUCO CARRIER, AMADEO (Latin, Spanish and French Historical Grammar).
MANQUILEF QUEZADA, ISOLDE (Sociology).
MARTINEZ TOLEDO, CARLOS (French Grammar and Phonetics).
MENDOZA ENRIQUEZ, JORGE (History of Art).
MELLA PORRAS, ENZO (Philosophy, Comparative Literature).
MENDEZ GUZMAN, MARTA (French Literature).
MILLAN ARATE, ISABEL (Methodology of French).
MUNOZ MELO, CONSUELO (Methodology of Chemistry).
OYARZUN PEÑA, LUIS (Logic and Ethics).
PANTOJA FRANCO, MARIO (English Phonetics).
RAMIREZ COFRE, MARCOS (Methodology of Physics).
RIVERA GAJARDO, LUIS (Zoology).
ROJAS MIX, MIGUEL (Universal History).
ROJAS PIZARRO, GONZALO (Composition and Aesthetics).
TIENKEN LILLEY, ARTURO (English and North American Literature).
TORRETI EDWARDS, ROBERTO (Philosophy).
VALLEBUONA CROVETTO, ROMANO (Comparative Literature).
VARGAS VARGAS, CORINA (Educational Psychology).
VIVALDI CICHERO, AUGUSTO (Chilean and American History).
WILHELM PERELMAN, RICARDO (Cosmography).
ZANARTU ARRATIA, RUDOLFO (Pedagogy).

School of Chemistry and Pharmacology:

BARDISA U., LUIS (Pharmacodynamics).
BELMAR ROIS, DANIEL (Industrial Pharmacy).
BRIEVA ALVARADO, JULIO (Chemical Pharmacy)
CARVAJAL ORREGO, VICTOR (Applied Microbiology).
CONCHA BARAHONA, JUAN (Physiology).
DARRICARRERE TORBALAY, RAFAEL (Bacteriology).
ENRIQUEZ F., EDGARDO (Anatomy).
GODOY C., HAYDE (Nutrition).
HENCKEL C., CARLOS (Histology).
MEIER G., NORMA (Functional Analysis of Organic Medicine).
MOENA GOMEZ, ALBERTO (Biochemistry).
MONTES G., MARCO (Pharmacognosis).
PENA RAMOS, ELEODORO (Clinical Biochemistry).
PINTO ALVAREZ, ANIBAL (Analytical Chemistry, Bromatology).
POZO L., MARIO (Biophysics).
SERRANA L. DE H., RICARDO (Pharmaceutical Legislation, Deontology).
VARGAS CACERES, LUIS (Galenic Pharmacy).
VILLAFANE LEON, GUILLERMO (Accountancy and Organisation).
WOERNER V., RICARDO (Instrumental Analysis).

Faculty of Engineering:

ACUNA DE LA FUENTE, JORGE (Fuel Technology).
ARACENA, OMAR (Industrial Accountancy).
ARZE LOPEZ, ELIAS (Resistance of Materials).
BLUHM SPANNUTH, EDGAR (Forestal Products).
BORIE BORIE, ESTEBAN (Electrical Installations).
CABALA, LUCIANO (Draughtsmanship).
CHIESA MONTEMERLO, JOSÉ (Electronics and Industrial Instrumentation).
CORNET RIERA, CAYETANO (Machine Drawing).
DAMILANO BONFANTE, JUAN (Industrial Chemistry).
DAROCH NEUMANN, HERNAN (Mechanics of Fluids).
DREIFUSS SPIEGEL, WALTER (Industrial Chemistry).
EMPERANZA DEL SOLAR, SERGIO (Thermal and Hydraulic Machines).
FIGHETTI SPADA, CESAR (Applied Thermodynamics).
FULLER BRAIN, DAVID (Metallurgy).
GUZMAN MORALES, CARLOS (Industrial Constructions).

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HARTWIG CARTE, ALEJANDRO (Organisation and Administration of Undertakings).
HERMOSILLA BRITO, CARLOS (Geometry and Machine Drawing).
HIRSCHFELD FRIEDLANDER, HEINZ (General Technology).
LENIZ CERDA, PATRICIO (Applied Mechanics).
LIRA INFANTE, RUPERTO (Applied Thermodynamics).
MONTANARI ASSOLINI, MARIO (Electrotechnics).
MORALES GANGAS, ADRIANO (Natural Resources).
PHAGOUAPE ONORATO, ARMANDO (Electrotechnics).
PIZARRO CASTRO, GUSTAVO (Industrial Chemistry).
RIESCO GIACOMOZZI, L. ARMANDO (Electronics and Industrial Instrumentation).
RIOSECO VAN CAUWELAERT, VALERIO (Siderurgy).
RUDLOFF ROEPKE, ERNESTO (Costing and Estimating).
SALAS SALINAS, OSCAR (Unitary Operations).
SANHUEZA ROJAS, ARNOLDO (Unitary Processes).
SCHIAVI LAGGIARD, PEDRO (Machine Drawing).
SCHROERS RICHTER, CURT (Machines).
SEARLE WITTING, ALFREDO (Unitary Operations).
SUTULOV POPOV, ALEXANDER (Mechanical Operations).
THEYER GERWITZ, PEDRO (Elementary Machine Construction).
URBAN NAMENEK, VALETIN (Cranes and Transport Machinery).
VALLE BENAVENTE, HERNAN DEL (Resistance of Materials).
VARAS DODD, FRANCISCO (Industrial Legislation).
WAGEMANN WIEDENBRUG, GUENTER (Economic Geography and Transport).
WOSCOBOINIK BASSIS, SANTIAGO (Rationalisation of Procedures and Methods).

Faculty of Odontology:

BARDISA U., LUIS (Pharmacology).
BEHN K., FRANCISCO (General Pathology).
BELLOLIO Z., PEDRO (Surgery).
CAFFARENA F., MANILO (Surgery).
CONCHA B., JUAN (Physiology).
CORRAL P., JESUS (Radiology).
DARRICARRERE T., RAFAEL (Bacteriology).
ENRIQUEZ F., EDGARDO (Descriptive Anatomy).
GUTIERREZ G., JUAN (Operations).
HENCKEL CH., CARLOS (Histology).
KOKIC R., ANTONIO (Parodontics).
MAHUZIER A., PEDRO (Orthodontics).
MOENA G., ALBERTO (Biochemistry).
PARRA H., NANY (Prosthesis).
SOL RAMIREZ, ARTURO DEL (Crowns and Bridges).
VIVALDI Q., LUZ (Stomachic Pathology).
VIVALDI CH., ENNIO (Physiopathology).
VIGNOLO M., CARLOS (Odontotechnics).
WERNEKINCK L., ALBERTO (Maxillo-Facial Prosthesis).

School of Agriculture: f. 1943:
President and Director: THOMAS LERMANDA C.
Dean: LUIS DEL VILLAR Z.
Secretary: SERGIO TRIVINO.
Publication: *Union Agricola del Sur.*

The School possesses a Meteorological Station in communication with the Oficina Meteorologica de Chile (*Observer:* MIGUEL POMERI).

School of Journalism:
Director: ALFREDO PACHECO BARRERA.

School of Social Service:
Director: CELIA CORTES JULLIAN.

School of Political and Economic Sciences:
Director: IGNACIO PEREZ SALGADO.

UNIVERSIDAD CATÓLICA DE CHILE
(Catholic University of Chile)

AV. BERNARDO O'HIGGINS 340, CASILLA 114-D, SANTIAGO
Telephone: 30091, 30177
Founded 1888.

Grand Chancellor: and Rector: Mgr. Dr. ALFREDO SILVA SANTIAGO.
Vice-Rectors: R.F. ALCIMO DE MERINGO, SS.CC., RAÚL PÉREZ OLMEDO.
General Secretary: LUÍS FELIPE LETELIER.
Library: *Director:* MARIA TERESA SANZ, B.-M.
Number of teachers: 1,015.
Number of students: 7,009.

DEANS:

Faculty of Sacred Theology: R.F. CARLOS, O. DE M. (Vice-Dean).
Faculty of Philosophy and Sciences of Education: R.F. ALCIME DE MERINGO, DS.CC.
Faculty of Juridical, Political and Social Sciences: PEDRO LIRA URQUIETA.
Faculty of Physical and Mathematical Sciences: RAÚL DEVES.
Faculty of Architecture and Fine Arts: SERGIO LARRAÍN GARCÍA MONENO.
Faculty of Agronomy: CARLOS CORREA VALDÉS.
Faculty of Economics and Social Sciences: JULIO CHANÁ CARIOLA.
Faculty of Medicine and Biological Sciences: Dr. RODOLFO RENCORET D.
Faculty of Technology: CARLOS DEL SOLAR TAGLE.

Faculty of Sacred Theology:

ALDUNATE, R. F. JOSÉ, S.J., (Moral Theology).
AHUMADA, Illmus. D. VICENTE (Liturgy).
MEDINA, JORGE (Dogmatic Theology).
METZINGER, ADALBERTO (Exegesis).
MORENO, ANTONIO (Scripture, Hebrew Language).
OVIEDO, CARLOS (Canon Law).
VIGANÓ, EGIDIO (Fundamental Theology).

Faculty of Juridical, Political and Social Sciences:

BOWEN H., ALFREDO (Labour Law).
CHANÁ C., JULIO (Commercial Law).
DELPIANO, VICTOR (Civil Law).
DOMINGUEZ C., CARLOS (Philosophy and Sociology).
EYZAGUIRRE G., JAIME (History of Law).
GUZMAN V., MANUEL (Penal Law).
HAMILTON D., EDUARDO (Private International Law).
HAMISCH E., HUGO (Roman Law).
ILLANES E., JAIME (Labour Law).
LIRA U., PEDRO (Civil Law).
LARRAIN R., HERNÁN (Civil Law).
MALDONADO B., LUIS (Procedural Law).
PIEDRABUENA R., ENRIQUE (Financial Law).
RAVEAU S., RAFAEL (Roman Law).
SERRANO M., GUSTAVO (Juridical Accountancy).
URREJOLA R., SERGIO (Procedural Law).
VALDES S., GABRIEL (Economic Science).
VERGARA V., SERGIO (Economic Science).
VIAL C., GONZALO (History of Law).
VARAS, ALFONSO PAULINO (Administrative Law).

School of Social Service (attached to the Faculty): 12 Professors.

Faculty of Architecture and Fine Arts:

ASTICA M., JUAN (Town Planning).
BRAVO H., LUIS (Low Cost Homes).
BESA Z., JAIME (Workshop)
MOLINOS O., OSCAR (Mathematics).
PIWONKA O., ALBERTO (Basic Design).
PUMPIN B., JUAN (Stability).
RIVERA C., VICTOR (Theoretical Stability).
RODRIGUEZ V., LEÓN (Workshop).
SANTA MARÍA, IGNACIO (Town Planning).
VENEGAS C., RAMÓN (Low Cost Homes).
ZACCARELLI M., OSCAR (Data Analysis).

School of Fine Arts (attached to the Faculty): 8 Professors.

Faculty of Physical and Mathematical Sciences:

AYARZA E., HERNÁN (Technology of Materials).
AZNAZA, GOÑI (Philosophy and Theology).
ARZE, ELÍAS (Workshop Metallic Structure).
BAKOVIC, LUKAS (Cost Accountancy and Statistics).
BIANCHI, ENNIO (Chemistry).
CONSTANTINESCU, PAUL (Economic Seminar).

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CATEPILLÁN, JORGE (Industries).
CORTES P., HERNÁN (Calculus).
CRISOSTO A., LUIS (Structure Theory and Workshop).
CURA R., LIONEL (Strength of Materials).
DAVILA I., FERNANDO (Workshop and Applied Hydraulics).
DEVES J., RAÚL (Construction Seminar).
DOMINGUEZ S., FRANCISCO (Theoretical Hydraulics).
DOMINGUEZ C., JOSÉ (Applied Physics).
ERRAURIZ, JAIME (Electronics Laboratory).
ESPINOZA W., RAÚL (Operational Research).
GARBARINO, JUAN (Organic Chemistry).
GONZALEZ G., JAIME (Machinery and Mechanics Laboratory).
GRACIA, AMBROSIO (Workshop of Applied Hydraulics).
GRANDJOT, CARLOS (Calculus).
GUERRA, SILVANO (Marketing and Sales).
HERREROS E., GONZALO (Workshop of Reinforced Concrete).
HOFMANS, FLORENCIO (Theology).
IBAÑEZ L., MIGUEL (Philosophy).
IZQUIERDO B., JOSÉ (Evaluations).
JACOBELLI P., ORLANDO (Mechanical Processes and Metallurgy).
KOSTIN R., RAÚL (Planning and Control).
LEIGHTON, CARLOS (Wood Structure).
LEIVA M., CESAR (Graphics).
MONTERO R., LUIS (Strength of Materials).
MORALES M., ARTURO (Soil Mechanics).
O'BRIEN W., JORGE (Applied Electricity).
OCHSENIUS E., VICTOR (Geometry).
POCH, ANDRES (Applied Electricity).
RAHAUSEN, ALBERTO (Personnel Administration).
ROSALES, EDUARDO (Professional Ethics).
SANTAMARIA H., FRANCISCO (Analytical Chemistry).
THAYER, WILLIAM (Sociology and Social Law).
UNDA O., FRANCISCO (Sanitary Engineering).
VALPUESTA A., DIONISIO (Surveying.)
VILAPLANA G., EDUARDO (Mechanical Design).
WISNIAK, JAIME (Chemical Engineering).

Faculty of Agronomy:

ALBORNOZ, MARIO (Statistics).
ALVAREZ, ANGEL (Farm Machinery).
ARROYO, MANUEL (Rural Administration).
AZANZA, DANIEL (Religion).
CAGLEVIC, MILAN (Plant Pathology).
CARMONA, PATRICIO (Irrigation and Drainage).
CASTRO, ALFONSO (Feeding).
CONTRERAS, DAVID (Forage).
COSTABAL, RICARDO (Poultry Husbandry).
DÍAZ, LUIS (Topography).
ESPINOZA, MARIO (Enology).
FERNÁNDEZ, ROBERTO (Entomology).
GARCIA, GUILLERMO (Sheepbreeding).
HIRSCH, PEDRO (Feeding).
LAZCANO, SERGIO (Farm Forestry).
LEÓN, FRANCISCO (Plant Physiology).
MONARDES, LUIS (Hygiene and Prophylaxis).
OLALQUIAGA, GABRIEL (Zoology).
OSSANDÓN, ROBERTO (Rural Administration).
PERALTA, MARIO (Soil and Morphology).
REÑASCO, GINES (Farm Forestry).
RODRIGUEZ, MANUEL (Soil Conservation).
ROMERO, JUAN (Dairy Production).
VALDES, RODODOLFO (Organic Chemistry).
VERGARA, CLAUDIO (Plant Pathology).
YOPO, BORIS (Animal Nutrition).

Faculty of Economics and Social Sciences:

School of Economics: 26 professors.
School of Sociology: 13 professors.

Faculty of Medicine and Biological Sciences:

BARAHONA, ROBERTO (Pathological Anatomy).
CROXATTO, HECTOR (Physiology).
CROXATTO, RAÚL (Biological Chemistry).
DIAZ B., FERNÁN (Radiology).
ESPILDORA, JOSÉ (Ophthalmology).
JARPA, ARTURO (Parasitology).
LUCO, JOAQUIN (Neurophysiology).
MENEGHELLO, JULIO (Pædiatrics).
NUÑEZ, CARLOS (Psychiatry).
ORTUZAR, RAMÓN (Medicine).
RODRIGUEZ, MANUEL (Bacteriology).
RIESCO, SANTIAGO (Oto-rhino-laryngology).
UBERALL, ENRIQUE (Neurology).
VIAL, JUAN DE DIOS (Anatomy).
VARGAS, LUIS (Physiopathology).

School of Nursing: 19 professors.

Faculty of Philosophy and Sciences of Education:

Department of History:

GARCIA H., A. (Civic Studies).
GONZALEZ, JAVIER (History of Chile).
GREZ, CARLOS (American History).
HERRERA, OSCAR (Economic Policy).
KREBS, RICARDO (World History).
LARRAIN, JOSÉ (Latin Texts).
ORTIZ, JORGE (Geography of Chile).
RACZYNSKI, JOSE (History of Art).
VIAL, GONZALO (History of Chile).
WEISSENBERGER, PRVISLAV (Philosophy of History).

Department of Plastic Arts:

CORREA, MARÍA (Enamel Work).
DANNEMANN, MANUEL (History of Art).
FUENTALBA, MARIA (Ceramics).
GERIAS, ENRIQUE (Methodology of Plastic Art).
LECAROS, JUANA (Tempera and Painting).
VARGAS, LUIS (Drawing Composition).
VILCHES, EDUARDO (Engraving, Colour, Posters).

Department of German:

ANABALON, MIGUEL (German Language and History).
MOLTKE, RUDOLF VON (Language Practice and Methodology).
WEISSENBERGER, PRVISLAV (Grammar and German History).

Department of Spanish:

BARROS, JAIME (Spanish-American).
IBARRA, JORGE (Grammatic Research).
IVELIC, RADOSLAV (Systematic Grammar).
LIRA, OSVALDO (Aesthetics).
MONTES. HUGO (Modern Spanish Literature).
NAZAL, PATRICIA (Contemporary Spanish Literature).
VIAL, FERNANDO (Comparative Literature).

Department of English:

BOCAZ, AURA (Phonetics).
DAVIS-EVANS, HUGH (Language Practice).
MINARD, JACQUES (Special Methodology).
TORNERO B., FLORENCIO (Language Practice).
WIGDORSKY, LEOPOLDO (Systematic Grammar).

Department of Physics and Mathematics:

ALAVA, LUIS (Algebra, Calculus, Mechanics).
ALVAREZ, ENRIQUE (Physics).
ATRIA, MANUEL (History of Mathematics).
AZÓCAR, MARIO (Analytic Geometry).
DEZA, ANGEL (Physics Laboratory).
MARTINEZ, TEODORO (Geometry).
ROJAS, VIOLETA (Physics).
VIDELA, CARLOS (Modern Algebra).

Department of Biology and Chemistry:

ALIAGA, POLINARDO (General Practical Biology).
PEREDA, JAIME (Practical Morphology).
ROMO, OMAR (Methodology of Biology).
RYCHLOWSKI, BRUNO (Philosophy of Biology).
SALCEDO, MARIO (Hygiene).
SÁNCHEZ, PATRICIO (Zoology).
VALENCIA, JOSÉ (Practical Zoology).

Department of Philosophy:

ALLIENDE, FELIPE (Latin).
ATRIA, MANUEL (Physics and Mathematics).
HOURTON, JORGE (History of Modern Philosophy).
LIRAS, OSVALDO (Ethics).
MERINGO, ALCIME DE (Logic).
VERDUGO, FRANCISCO (Seminar).

Department of French:

DUBOIS, MARIE LOUISE (Language Practice).
GÉRARD, HARRY (20th Century Literature).
GUY, ALBERT (Language Practice).
MUÑOZ, LUIS (Head of Department).

Department of Professional Orientation:

ARACENA, MOISES (Psychometry).
CALCAGNI, LEONEL (Professional Orientation).

Department of General Subjects:

ANABALÓN, MIGUEL (Latin, Linguistics).
CUETO, ENRIQUE (General Education).
DINTRANS, RADAMANTA (Didactics).

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GUTIERREZ, MARTA (Child and Adolescent Psychology).
PEÑA Y LILLO, SANTIAGO (History of Education).
QUIROGA, CARMEN (Classical Literature).
SIEGEL, WOLFGANG (Didactics).

School of Psychology: 14 professors.

School of Journalism: 7 professors.

Faculty of Technology:
School of Building:
ALAVA, LUIS (Algebra).
ALCALDE, ARSENIO (Building).
ALFARO, RAQUEL (Metallic Structures).
BRUNELL, ALBERTO (Applied Hydraulics).
BUCHEISTER, RENATO (Bridges).
BUSETA, SERGIO (Stability).
CABALLERO, SERGIO (Roads, Streets, Airports).
HANNING, JOAQUIN (Machinery, Soil Movement).
HERRERA, CARLOS (Mechanics, Strength of Materials).
HEWSTONE, ENRIQUE (Sanitary Equipment, Head of School).
MARCHANT, GUILLERMO (Trigonometry).
MEZA, MARIO (Calculus).
SAQUEL, MARIO (Social Law).
SOLAR, CARLOS DEL (Building).
VALENZUELA, CARLOS (Business Organisationa and Accountancy).
VEGA, CARLOS (Philosophy).

School of Electronics:
AMPUERO, OMAR (Drawing).
AZOCAR, MARIO (Calculus).
BELTRAN, ABELARDO (Telephones).
CARABALL, PEDRO (Electronics, Television).
CORTES, MANUEL (Electrotechnics, Head of School).
DEZA, ANGEL (Algebra).
ESCUDERO, OSCAR (Trigonometry).
ESPINOZA, FRANKLIN (Analysis).
ROCA, MIGUEL (Electrotechnics).
SABAT, ANTONIO (Electrotechnic Experiments).

School of Chemistry:
BARRIGA, RAFAEL (Thesis).
DEZA, ANGEL (Basic Physics).
GANA, RAFEL (Electrochemistry).
HADDAD, RICARDO (Hygiene and Industrial Safety).
KERRIGAN, DONALD (Thermodynamics).
MARGOZZINI, JOSÉ (Food Chemistry).
MUÑOZ, FRANCISCO (Inorganic Chemistry).

UNIVERSIDAD CATÓLICA DE VALPARAÍSO

CASILLA 4059, VALPARAÍSO
Telephone: 56177-8
Founded 1928

Chancellor: Monseñor EMILIO TAGLE.
Rector: R.P. HERNÁN LARRAIN ACUÑA.
Secretary-General: Prof. JULIO RUIZ.
Librarian: OLGA NAVARRO.

Library of 52,654 vols.
Number of teachers: 413.
Number of students: 2,735.

Publication: *Anales de la Universidad Católica de Valparaíso.*

Faculty of Physics and Mathematics:
Dean: ROBERTO SERRA.
School of Chemical Engineering.

Faculty of Architecture and Town Planning:
Dean: CARLOS BRESCIANI.
School of Architecture.

Faculty of Law and Social Science:
Dean: JOSÉ F. INFANTE.
Law School.
School of Social Service.

Faculty of Economics and Commerce:
Dean: PEDRO IBÁÑEZ.
Schools of Commerce and Business Administration.

Faculty of Philosophy and Education:
Dean: HÉCTOR HERRERA.
School of Philosophy and Letters.
School of Physics and Mathematics.
School of History and Social Sciences.
School of Biology and Chemistry.
Department of Education.

Technical Institute:
Director: PABLO DILHAN.
Schools of Civil Engineering, Electricity, Mechanics, Electronics, College of Fisheries, and Agronomics.

AFFILIATED ORGANISATION:

Arts Cultural Extension Institute.
Conservatorium of Music.
School of Dramatic Art.

UNIVERSIDAD TECNICA DEL ESTADO
(State Technical University)

AVENIDA ECUADOR 3469,
CORREO 2, SANTIAGO
Telephone: 97401-08
Founded 1952

Rector: HORACIO ARAVENA ANDAUR.
Secretary-General: JORGE SOTO.

Number of teachers: 1,430, including part-time.
Number of students: 7,730.

Schools of Industrial Engineers, Arts and Crafts, Mines (of Antofagasta, Copiapó and La Serena), Industrial Schools of Concepción, Temuco and Valdivia; Institute of Technical Pedagogics; University courses of Punta Arenas and Talca.

UNIVERSIDAD TÉCNICA "FEDERICO SANTA MARÍA"

CASILLA 110V, VALPARAÍSO
Telephone: 60206
Telegraphic address: Unitecnica: Valparaiso.
Founded 1926

President: AGUSTÍN E. EDWARDS.
Rector: CARLOS CERUTI GARDEAZÁBAL.
Vice-Rector: JULIO HIRSCHMANN.
General Administrator: HERNÁN PLAZA PALMA.

Number of teachers: 78.
Number of students: 855.
Publication: *Scientia* (quarterly).

Workers' Night School.
Junior Technical School.
Technical Institutes.
Schools of Engineering.
School of Civil Construction.
Graduate School.

DEANS:

Faculty of Electro-technics: GUILLERMO FEICK.
Faculty of Mathematics and Physics: ROBERTO FRUCHT.
Faculty of Mechanics: MARIO DERPICH.
Faculty of Chemistry: MAX VON BRAND.
Faculty of Construction: JULIO FERNANDEZ LAGOS.

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MILITARY COLLEGE

Escuela Militar "General Bernardo O'Higgins": Casilla 174, Las Condes, Santiago; f. 1817 (by General O'Higgins); 50 military instructors and officials, 60 civilian instructors, 750 students: Dir. Col. SERGIO CASTILLO ARANGUIZ; publ. *Revista "Cien Aguilas"*.

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música (*National Academy of Music*): Compañía 1264, Santiago.

Conservatorium of Music: Universidad Católica de Valparaíso, Valparaíso.

Escuela de Artes Aplicadas (*School of Applied Arts*): Arturo Prat 1171, Santiago; Dir. VENTURA GALVAN L.

Escuela de Bellas Artes (*School of Fine Arts*): Parque Forestal, Santiago; Dir. CARLOS PEDRAZA OLGUÍN.

Instituto Secundario de las Escuelas Artisticas (*Secondary Institute of the School of Art*): Santiago; Dir. ENRIQUE ASTORGA.

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PEOPLE'S REPUBLIC OF CHINA

Population 720,000,000

ACADEMIES

CHINESE ACADEMY OF SCIENCES
(Academia Sinica)
PEKING

Founded 1949

President: Kuo Mo-Jo.
Vice-Presidents: Ch'en Po-Ta, Li Ssukuang, Chang Chin-Fu, Chu K'O Chen, Wu Yu-Hsun.
Secretaries: P'Ei Li-Sheng, Ch'ien San-Ch'iang, Chen Kang-Pai.
Publications: *Science Monthly, Acta Scientia Sinica* (quarterly).

Departments of the Academy

Department of Physics, Mathematics, and Chemistry: f. 1955; *Chair.* Wu Yu-Hsun.
- Institute of Applied Chemistry: Changchun; f. 1948.
- Institute of Applied Physics: Peking; f. 1950.
- Institute of Atomic Energy: Peking.
- Institute of Chemistry: Peking; f. 1958.
- Institute of Computing Technology: Peking.
- Institute of Mathematics: Peking; f. 1941, re-organised 1952.
- Institute of Mechanics: Peking.
- Institute of Organic Chemistry: Shanghai; f. 1950.
- Institute of Physical Chemistry: Shanghai; f. 1950.
- Institute of Semiconductors: Peking: f. 1956.
- Institute of Upper Atmospheric Physics.
- Lanchow Research Laboratory of Chemistry; Lanchow, Kansu.
- Sian Institute of Chemistry: Sian, Shensi; f. 1959.
- Wuhan Institute of Chemistry: Wuhan, Hupeh.

Department of Biological Sciences: f. 1957; *Chair.* T'ung Ti-Chou.
- Institute of Agrobiology:
- Institute of Applied Mycology: Peking; f. 1958.
- Institute of Biochemistry: Shanghai; f. 1958.
- Institute of Biophysics.
- Institute of Botany: Peking; f. 1950.
- Institute of Botany, South China Branch: Canton; f. 1954.
- Institute of Entomology: Peking; f. 1950.
- Institute of Experimental Biology: Shanghai; f. 1950.
- Institute of Limnology: Wuhsi, Kiangsu.
- Institute of Marine Biology: Shanghai; f. 1950.
- Institute of Materia Medica: Shanghai; f. 1953.
- Institute of Microbiology: Peking.
- Institute of Palæontology: Nanking; f. 1950.
- Institute of Physiology: Shanghai; f. 1950.
- Institute of Plant Physiology: Shanghai; f. 1944.
- Institute of Plant Taxonomy: Peking.
- Institute of Vertebrate Palæontology: Peking; f. 1928; attached to Academy 1953.
- Institute of Zoology: Peking; f. 1950.
- Amoy Institute of Marine Biology: Amoy, Fukein; f. 1950.
- Laboratory of Developmental Physiology of the Institute of Experimental Biology: Shanghai.
- Laboratory of Nutrition Research: Shanghai.
- Laboratory of Plant Physiology: Peking; f. 1957.
- Research Institute of Yellow Sea Fisheries: Tsingtao, Shantung.
- Genetics Laboratory of the Institute of Botany: Peking.
- Northweatern Institute of Agriculture and Biology: Wukung.
- Tsingtao Marine Life Museum, Tsingtao, Shantung.
- Wuhan Laboratory of Bacteriology, Wuhan, Hupeh; f. 1957.

Department of Geography and Geology: f. 1957; Chair. Yin Chan-Hsun.
- Institute of Forestry and Pedology: Shenyang, Liaoning.
- Institute of Forestry Science: Peking.
- Institute of Geography: Peking; f. 1950; attached to Academy 1953.
- Institute of Geography: Nanking Branch; f. 1953.
- Institute of Geology: Peking; f. 1950.
- Institute of Geophysics: Peking; f. 1952.
- Institute of Meteorology and Geophysics: Shanghai.
- Institute of Mineralogy: Peking; f. 1958.
- Institute of Oceanography: Tsingtao, Shantung; f. 1950.
- Institute of Pedology: Nanking; f. 1952.
- Laboratory of Pedology, Chunking: Szechwan.
- Research Laboratory of Geology, Chungchun: Kirin.
- Changsha Institute of Mineraology: Changsha, Hunan.
- Hunan Institute of Geology: Hunan.
- Lanchow Geological Research Laboratory: Lanchow, Kansu.

Department of Technical Sciences: f. 1955; Chair. Yen Chi-T'zu.
- Institute of Applied Chemistry: Changchun, Kirin; f. 1948; attached to Academy 1954.
- Institute of Applied Physics: Peking; f. 1950.
- Institute of Automation and Remote Control: Peking; f. 1956.
- Institute of Chemical Engineering and Metallurgy: Peking.
- Institute of Civil and Architectural Engineerings: Peking.
- Institute of Computing Technology: Peking; f. 1956.
- Institute of Electrical Engineering: Peking.
- Institute of Electronics: Peking; f. 1956.
- Institute of Iron and Steel: Liaoning.
- Institute of Mechanical and Electrical Engineering: Changchun, Kirin.
- Institute of Metallurgy and Ceramics: Shanghai; f. 1928, present name acquired in 1952.
- Institute of Metals: Peking; f. 1953.
- Institute of Optics and Precision Instruments: Changchun, Kirin; f. 1957.
- Institute of Petroleum: Dairen, Liaoning; f. 1952.
- Research Academy of Hydrology: Peking; f. 1958.
- Changsha Institute of Metallurgy and Ceramics: Changsha, Hunan.
- Canton Institute of Applied Chemistry: Kuangchou, Kuangtung.
- Lanchow Institute of Petroleum: Lanchow, Kansu.

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Department of Philosophy and Social Sciences: f. 1955; Chair. Kuo Mo-Jo.

Institute of Archaeology: Peking; f. 1950.
Institute of Economics: Peking; f. 1949, present name in 1950.
Institute of Ethnology: Peking; f. 1958.
First Institute of History: Peking; f. 1954.
Second Institute of History: Peking; f. 1954.
Third Institute of History: f. 1950, present name in 1954.
Institute of International Relations: Peking.
Institute of Languages and Linguistics: Peking; f. 1950.
Institute of Law: Peking.
Institute of Languages of National Minorities: Peking.
Institute of Literature: Peking; f. 1956.
Institute of Natural Science History: Peking; f. 1954.
Institute of Philosophy: Peking.
Institute of Psychology: Peking; f. 1952.

Observatories

Feng-huang-shan Astronomical Observatory: Kunming, Yunnan.
Hanghcow Astronomical Observatory: Hangchow, Chekiang.
Hsu-chia-hui Astronomical Observatory: Shanghai; f. 1873, re-organised 1950.
Peking Astronomical Observatory: Peking.
She-shan Astronomical Observatory- Kiangsu.
Tzu-chin-shan Astronomical Observatory: Nanking; f. 1928.

Documentation Centre

Institute of Scientific and Technical Information Centre: Peking; f. 1956.

Botanical Gardens

Botanical Garden of Lushan: Lushan, Kiangsi; f. 1934, re-formed 1950.
Botanical Garden of Nanking: Nanking; f. 1929, re-formed 1954.
Botanical Garden of Peking: Peking; f. 1954.
Botanical Garden of Wuhan: Wuhan, Hupeh.

BRANCH ACADEMIES

Anhwei Branch: Hofei, Anhwei; f. 1959.
Canton Branch: Kuangchow, Kuangtung; f. 1958.
Chekiang Branch: Hangchow, Chekiang; f. 1958.
Hopei Branch: Paoting, Hopei; f. 1958.
Kiangsi Branch: Nanchang, Kiangsi; f. 1958.
Kiangsu Branch: Nanking; f. 1958.
Kirin Branch: Changchun, Kirin; f. 1958.
Kweichow Branch: Kweiyang, Kweichow; f. 1958.
Lanchow Branch: Kansu; f. 1959.
Shanghai Branch: Shanghai; f. 1958.
Shantung Branch: Tsinan, Shantung.
Shensi Branch: Sian, Shensi; f. 1958.
Sinkiang Branch.
Szechwan Branch: Szechwan; f. 1958.
Wuhan Branch: Wuhan, Hupeh; f. 1959.
Yunnan Branch: Kumning, Yunnan; f. 1958.

CHINESE ACADEMY OF MEDICAL SCIENCES

PEKING

AFFILIATED INSTITUTES

Institute of Anti-biotics: Peking.
Institute of Parasitology: Peking.
Institute of Micro-biology: Peking.
Institute of Tuberculosis, Peking.
Institute of Oncology: Peking.
Institute of Internal Medicine: Peking.
Institute of Surgery: Peking.
Institute of Acupuncture and Moxabustion: Peking.
Institute of Traditional Chinese Drugs: Peking.
Institute of Pediatrics: Peking.
Institute of Medical Radiology: Peking.
Institute of Hypertension: Peking.
Institute of Labour Hygiene, Labour Protection, and Occupational Diseases: Peking.
Institute of Epidemiology and Microbiology: Peking.
Institute of Biological Products: Peking.
Institute of Pharmacology: Peking.
Institute of Blood Transfusion and Hemopathology: Peking.
Institute of Dermatology: Peking.
Laboratory of Isotopes: Peking.
Fukien Institute of Epidemiology: Foochow.
Shensi Institute of Traditional Chinese Medicine: Shensi.
Shensi Institute of Acupuncture and Moxabustion: Shensi.

CHINESE ACADEMY OF AGRICULTURAL SCIENCES

PEKING

Founded 1957

Central Research Institutes

Institute of Agricultural Economics: Peking; f. 1958.
Institute of Agricultural Mechanisation: Peking.
Institute of Animal Husbandry; Peking; f. 1958.
Institute of Breeding and Cultivation; Peking; f. 1957.
Institute of Chinese Veterinary Science: Peking; f. 1958.
Institute of Cotton: Peking; f. 1958.
Institute of Olericulture: Peking; f. 1958.
Institute of Plant Protection: Peking; f. 1957.
Institute of Pomology: Peking; f. 1958.
Institute of Soil and Fertilisers: Peking; f. 1957.
Research Laboratory of Agricultural Hereidites: Peking; f. 1958.
Research Laboratory of Agricultural Meteorology: Peking; f. 1958.
Research Laboratory of Atomic Energy Applications: Peking; f. 1958.
Chenchiang Sericultural Research Institute: Chenchiang, Kiangsu.

Branch Research Institutes

Central China Institute of Agricultural Sciences: Wuhan, Hopei.
East China Institute of Agricultural Sciences: Nanking.
Hunan Institute of Agricultural Sciences.
Hupeh Institute of Agricultural Sciences.
Kiangsu Institute of Agricultural Sciences: Nanking.
Kirin Institute of Agricultural Sciences: Changchun.
Liaoning Institute of Agricultural Sciences: Shenyang.
Northeastern China Institute of Agricultural Sciences: Kungchuling, Kirin.
Northern China Institute of Agricultural Sciences.
Northwestern China Instititute of Agricultural Sciences: Sian, Shensi.
Southern China Institute of Agricultural Sciences: Kuangchou, Kuantung.
Szechwan Institute of Agricultural Sciences: Chengtu.

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LEARNED SOCIETIES

The All-China Federation of Scientific Societies: Peking; f. 1950; Hon. Chair. WU YU-CHANG; Chair. LEE SSU-KWANG; Sec.-Gen. YEN CHI-TZE. There are 575 local branches of the societies in 53 cities and the federation has 24 local offices. Total mems. 57,000. Affiliated organisations include the following:

Chinese Mathematical Society: Peking; f. 1936; Pres; HUA LOO-KENG; Sec.-Gen. TUAN HIO-FU; 24 local branches; 4,000 mems.; publs. *Acta Mathematica Sinica, Bulletin of the Chinese Mathematical Society.*

Chinese Physical Society: 3 Wen Ching Chieh, Peking; f. 1932; Pres. CHOU PEI-YUAN; Sec. LU HSUH-SHAN; 26 local branches; 2,200 mems.; publ. *Acta Physica Sinica, Physics Bulletin.*

Chinese Chemical Society: Peking; f. 1932; Pres. HOU TEH-PANG. Sec.-Gen. TU CHUEN-YEN; 30 local branches; 5,000 mems.; publs. *Acta Chemica Sinica, Chemical Bulletin.*

Zoological Society of China: Peking; f. 1934; Pres. PING CHIH; Sec.-Gen. CHENG TSO-HSIN; 16 local branches; 700 mems; publs. *Acta Zoological Sinica, Biological Bulletin.*

Botanical Society of China: Peking; f. 1933; Pres. CH'IEN TS'UNG-SHU; Sec. LING YONG; 15 local branches; 1,200 mems.; publ. *Acta Botanica Sinica.*

Chinese Society of Plant Pathology: Peking; f. 1929; Pres. TAI FANG-IAN; Sec.-Gen. CH'IU WEI-FAN; 20 local branches; publs. *Journal of Plant Pathology.*

Geological Society of China: Peking; f. 1922; Pres. LEE SSU-KWANG; Sec.-Gen. HOU TEH-FENG; publ. *Acta Geologica Sinica.*

Chinese Meteorological Society: Peking; f. 1924; Pres. CHAO CHIU-CHANG; 11 local branches; publ. *Acta Meteorologica Sinica.*

Palæontological Society of China: Peking; f. 1929; Pres. YANG CHUNG-CHIEN; Sec. WANG HUNG-CHEN; 140 mems; publ. *Acta Palæontologica Sinica.*

Chinese Society of Oceanography and Limnology: Tsingtao; f. 1950; Pres. CHANG HSI; Sec.-Gen. CHU SHU-PING; 4 local branches.

Chinese Geographical Society: Peking; f. 1950 (merger of former Chinese Geographical Society of Peking and a Chinese Geographical Society of Nanking, founded in 1909 and 1933 respectively). Pres. COCHING CHU; Sec.-Gen. SUN CHING-CHIH; 15 local branches (4 more being established); 1,000 mems.; publs. *Acta Geographica Sinica, Geographical Bulletin.*

Chinese Society of Anatomy: Peking; f. 1947; Pres; CHANG YUN; Sec. CHANG CH'A-LI; 21 local branches; more than 800 mems.; publ. *Acta Anatomia Sinica* (Journal of Anatomy).

Chinese Psychological Society: Peking; f. 1955; Pres. PAN SHU; Sec.-Gen. TING TSAN; 14 local branches (4 more being organised); 509 mems.; publs. *Acta Psychologica, Translated Articles on Psychology.*

Chinese Metallurgical Society: Peking; f. 1954; Chair. CHOU JEN; Sec. WANG CHIH-HSI; 2 local branches.

Chinese Astronomical Society: Peking; f. 1922; Pres. Y. C. CHANG; Vice-Pres. LI HUAN; 5 local branches; 100 mems.; publ. *Acta Astronomica Sinica.*

Chinese Geophysical Society: Peking; f. 1947; Pres. KU KUNG-HSU; Vice-Pres. WONG WEN-PO; Sec.-Gen. CHEN TSUNG-CHI (these two officials form the preparatory committee set up to reorganise the society in 1953); 141 mems.; publ. *Acta Geophysica Sinica.*

Chinese Society of Mechanical Engineers: Peking; f. 1951; Pres. SHIH CHIN-JEN; Sec.-Gen. CHIN CHIN-HSUAN; f. 1951; 17 local branches (4 more being organised); publ. *Chinese Journal of Mechanical Engineering.*

Chinese Society of Civil Engineering: Peking; f. 1953; Pres. MAO YI-SHENG; 25 local branches; 6,200 mems.; publs. *Chinese Journal of Civil Engineering, Civil Engineering.*

Chinese Society of Aeronautical Engineering: Peking; f. 1955; Preparatory Committee WANG CHUN-K'UEI, WANG TE-JUNG.

Chinese Society of Chemical Engineering: Peking; f. 1956; Pres. HOU TE-PANG; Sec.-Gen. HOU HSIANG-LIN; more than 16 branches.

Chinese Society of Fuels: Liao-ning Province; Publ. *Journal of Fuel.*

Chinese Society of Silicates: Peking; f. 1956; Pres. LAI CH'I-FANG; Sec.-Gen. LING CH'I-CHUN; 8 local branches.

Chinese Society of Mechanics: Peking; f. 1957; Pres. CH'IEN HSUEH-SHEN; Sec.-Gen. LI MIN-HAU; 1000 mems.

Chinese Society of Photography: Peking; f. 1956; Pres. SHIH SHAO-HUA; Sec. WU CH'UN; 21 mems. (standing committee).

Hydraulic Engineering Society of China: Peking; f. 1957; Pres. CHANG HAN-YING; 17 local branches.

Electrical Engineering Society of China: Peking; f. 1957; Pres. LIU LAN-PO; 27 local branches.

Electronics Society of China: Peking; f. 1956; Pres. WANG CHENG; Sec. LO P'EI-LIN.

Chinese Society of Paper Making: Peking; f. 1959; Pres. CHAO HUI-HUA.

Shipbuilding Society of China: Shanghai; f. 1941; reorganised 1951; Pres. CH'ENG WANG; Sec. CHUNG EN.

Chinese Society of Geodetics and Cartography: f. 1956; f. 1956; Pres. CH'EN WAI-OH; Sec.-Gen. LI HSU-CHIH.

Automation Society of China: Peking; Pres. CH'IEN HSUEH-SEN; Sec. T'U SHAN-CH'ENG.

Architectural Society of China: Peking; f. 1953; Pres. CHOU JUNG HSIN; Sec.-Gen. WANG CHI-CH'I; 18 local branches; 4,000 mems.; publ. *Chinese Journal of Architecture.*

Chinese Society of Textile Engineering: Peking; f. 1930 as the Chinese Textile Society and reorganised under its present name in 1954; Pres. CHEN WEI-TSIE; Sec.-Gen. KUEI SHIH-CHIH; 26 local branches; 4,000 mems.; publ. *Textile Bulletin.*

Chinese Society of Agronomy: f. 1956; Pres. YANG HSIEN-TUNG; Secs.-Gen. TAI SUNG-EN, C. H. LI; 7 local branches (12 more being organised); 1,000 mems.

Chinese Society of Forestry: Peking; f. 1951; Pres. LIANG HSI; Sec.-Gen. CHANG CHU-PAO; 13 local branches; publ. *Forestry.*

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Chinese Association of Zootechnic and Veterinary Science: f. 1955; Pres. CHEN LING-FENG; Sec.-Gen. TANG YEI-ZEN; 1,400 mems.; publ. *The Chinese Journal of Zootechnic and Veterinary Science.*

Chinese Society of Pedology: Szechwan Province; f. 1945; Pres. MA JUNG-CHIH; Sec.-Gen. HUANG JUI-TSAI; 9 local branches; publ. *Acta Pedologica Sinica.*

Chinese Society of Horticulture: in process of establishment in 1955; Pres. LI-KUI; Vice-Pres. SHEN TSUIN, CHANG WEN-TSAI; Sec.-Gen. HA KUEI-TSENG.

Phytopathological Society of China: Nanking; f. 1929; Pres. TAI FANG-LAN; Sec.-Gen. CHIU WEI-FAN; 20 local branches; publ. *Acta Phytopathologica Sinica.*

Chinese Society of Entomology: Peking; f. 1951; Pres. CH'EN SHIH-HSIANG; Sec.-Gen. HUANG JUI-TS'AI; 24 local branches; 901 mems.; publs. *Acta Entomologica Sinica, Bulletin.*

Chinese Medical Association: 4 San Tiao Hutung Tung Tan Pailou, Peking; f. 1914; Pres. FU LIEN-CHANG; Sec.-Gen. FANG SHIH-SHAN; 43 local branches; publs. *Chinese Medical Journal* (in English), *National Medical Journal of China* and 13 specialised journals.

Chinese Pharmaceutical Association: f. 1917; Pres. LUNG TSAI-YUN; 29 local branches; 3,100 mems.; publs. *Pharmaceutical Bulletin, Acta Pharmaceutica Sinica, Journal of Chinese Drugs.*

Chinese Society of Physiological Sciences: f. 1926 (originally called The Chinese Society of Physiology); Pres. CHAO I-PING; Sec.-Gen. CHIN YIN-CHANG.

Chinese Society of Microbiology: Peking; f. 1928; Pres. F. F. TANG; Sec.-Gen. FANG KANG; 25 local branches; 1,300 mems.; publ. *Microbiological Information, Acta Microbiologica Sinica.*

All-China Association for the Dissemination of Scientific and Technical Knowledge: f. 1950; Chair. LIANG HSI; Vice-Chair. MAO YI-SHENG, COCHING CHU, TING HSI-LIN, CHEN FENG-TUNG (these 5 officials comprise the National Committee); Sec.-Gen. HSIA KANG-NUNG; there are branches in all the provinces of China; 38,000 mems.; publs. *Science for the Masses, Science Pictorial, Science Studies* (monthly).

All-China Federation of Literary and Art Circles: Peking; f. 1949; Chair. KUO MO-JO; Sec.-Gen. YANG HAN-SHENG. The objects of the Federation include the development of criticism and self-criticism in relation to literature and art and the direction of the literary and art activities of the masses. Affiliated organisations include the following:

Union of Chinese Writers: f. 1953; Chair. MAO TUN; Sec. LIU PAI-YU.

Union of Chinese Musicians: f. 1953; Chair. LU CHI.

Union of Chinese Artists: f. 1953; Chair. CHI PAI-SHIH.

Union of Chinese Stage Artists: f. 1953; Chair. TIEN HAN.

China Opera Research Society: f. 1953; Chair. WANG TSUN-SAN.

China Dance Research Society: f. 1953; Chair. WU HSIAO-PANG.

All-China Federation of Societies of Natural Sciences: Peking; Chair. LI SZE-KUANG.

Chinese Historical Society: Peking; f. 1951; Chair. KUO MO-JO, Vice-Chairs. WU YU-CHANG, FEN WEA-LAN.

China Institute of Economics: Dir. CHEN PO-TA; Vice-Dirs. MA YIN-CHU, TU SHOU-SSU, HSICH MO-CHIAO, CHEN HAN-SHENG.

Chinese Society of Philosophers: Chair. LI TA.

Chinese People's Institute of Foreign Affairs: Peking; Hon. Chair. CHOU EN-LAI; Pres. CHANG HSI-JO; Sec.-Gen. WU MAO-SUN.

Committee to Reform the Chinese Written Language: Chair. WU YU-CHANG.

Michurin Society of China: Peking; f. 1949; Chair. YUEH TIEN-YU; object is to increase agricultural output by applying the theories of Michurin and Lysenko.

Political Science and Law Association of China: f. 1953; Chair. TUNG PI-WU.

RESEARCH INSTITUTES

China Institute for New Jurisprudence Research: Peking; Dir. SHEN CHUN-JU.

China Institute for New Political Science Research: Peking.

Golden Sea Chemical Research Institute: Fangchia-yuan, Peking; f. 1922; Pres. SUN HSUEH-WU; publ. *Huanghai* (bi-monthly).

National Institute of Biological Products: Peking; Dir. T'ANG FEI-FEN.

National Institute of Medical Research: Peking.

North China Institute of Agricultural Research: Peking.

Observatory: Nanking; observations on the minor planets, solar flares and satellite tracking.

LIBRARIES

National Library of Peking: Peking 7; f. 1912; the library contains the imperial collections of the Southern Sung (13th century), Ming (1368–1644) and Ching (Manchu) (1644–1911) dynasties; many rarities, including 5th-century MSS. and 9th-century wood-block prints; now has 4,400,000 vols.; Dir. Dr. TING HSI-LING.

National Capital Library: Peking; formerly Peking Municipal Library; 500,000 vols.

Peking University Library: Peking; f. 1902.

Nanking Library: Nanking; f. 1933; the library originally had 150,000 vols.; by 1945 it had grown to 1,400,000; the Sinological Library of Kiangsu Province was merged with it and it now has 2,290,000 vols.

PROVINCIAL LIBRARIES

Anhwei Library: Hofei; 310,000 vols.

Changchun Library, Kirin Province: Changchun; 230,000 vols.

Chekiang Library: Hangchow; f. 1872; 970,000 vols.

Chinghai Library: Hsining; 130,000 vols.

Chungking Library: Chungking; 1,850,000 vols.

Chungshan Library of Hunan: Changsha; 380,000 vols.

Chungshan Library of Kwangtung Province: Canton; f. 1909; 930,000 vols.

Fukien Library: Fuchow; f. 1929; 250,000 vols.

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Harbin Library, Heilungkiang Province: Harbin; f. 1950; 410,000 vols.

Honan Library: Kaifeng; f. 1909; 370,000 vols.

Hopei Library: Paoting; 180,000 vols.

Hupeh Library: Wuchang; 730,000 vols.

Kansu Library: Lanchow; 310,000 vols.

Kiangsi Library: Nanchang; f. 1922; 490,000 vols.

Kuan-hsi First Provincial Library: Kuei-lin; f. 1909.

Lan-chou Municipal Library: Lan-chou; f. 1957.

Liaoning Library: Shenyang (Mukden); f. 1948; originally called North-East Library, it was renamed in 1948; 1,310,000 vols.

Library of Inner Mongolia: Huhetot; 110,000 vols.

First Library of Kwangsi: Kweilin; 240,000 vols.

Second Library of Kwangsi: Nanking; 200,000 vols.

Library of the Chinese Academy of Sciences: Peking; f. 1954.

Library of Sinkiang Uighur Autonomous Region: Urumchi; 70,000 vols.

Lushun-Dairen Library, Liaoning Province: Shenyang (Mukden); 720,000 vols.

People's Library of Kweiyang: Kweiyang; 250,000 vols.

Shanghai Library: Shanghai; f. 1952; 3,500,000 vols.

Shanghai Library of Dailies and Periodicals: 440,000 vols.

Shanghai Library of Historical Documents: 520,000 vols.

Shanghai Municipal People's Library: f. 1912; 12 branch libraries; 900,000 vols.

Shanghai Library of Natural and Applied Sciences: 50,000 vols.

Shantung Library: Chinan; f. 1908; 660, 000 vols.

Shensi Library: Sian; 360,000 vols.

Shenyang Library, Liaoning Province: Shenyang; 570,000 vols.

Szechuan Library: Chengtu; 860,000 vols.

Tientsin Municipal Library: Tien-chin; 840,000 vols.

Tsingtao Library: Tsingtao; 290,000 vols.

Wuhan Library: Wuhan; 240,000 vols.

Yunnan Library: Kunming; 780,000 vols.

MUSEUMS

Peking

Imperial Museum: Imperial Palace; houses the art treasures of the different dynasties.

Peking Historical Museum: Curator Wang Yu-Chuan.

Preparatory Office of the Central Natural History Museum.

Preparatory Office of the Revolutionary Documents Museum.

Metropolitan Historical and Construction Museum.

The Peking Lu Hsün's Residence.

Shanghai

Shanghai Museum.

Shanghai Municipal Historical and Construction Museum.

Shanghai Lu Hsün's Memorial Hall.

Shanghai Revolutionary History Memorial Hall.

Provincial Museums

Anhui Provincial Museum: Hofei.

Canton Museum: Canton.

Canton Peasants' Institute: Canton.

Chekiang Provincial Museum: Hangchow.

Chengtu Tu Fu's Residence (Tsao Tang): Chengtu.

Chingtehchen Ceramics Museum: Chingtehchen.

Chungking Municipal Museum: Chungking.

Fukien Provincial Museum: Foochow.

Heilungkiang Provincial Museum: Harbin.

Honan Provincial Museum: Kaifeng.

Hopei Provincial Museum: Hopei.

Hsipop'o Memorial Hall: Chien Ping County.

Hunan Provincial Museum: Changsha.

Hupeh Provincial Museum: Wuchang.

Jehol Museum: Chengteh, Jehol.

Juichin Revolutionary Memorial Hall: Juichin County.

Kansu Provincial Museum: Lanchow.

Kiangsi Provincial Museum: Nanchang.

Kiangsu Provincial Museum: Suchow.

Kirin Provincial Museum: Changchun.

Kwangsi Provincial Museum: Kweilin.

Kweichow Provincial Museum: Kweiyang.

Liaoning Provincial Museum: Managing Offices in Antung and Chinchow.

Lushun Museum: Lushun.

Nanking Museum: Nanking.

North-Eastern Natural Resources Institute: Lushun, Dairen.

North-East Museum: Shenyang.

Shaohsing Lu Hsün's Memorial Hall: Shaohsing.

Shansi Provincial Museum: Taiyuan.

Shantung Provincial Museum: Tsinan.

Shensi Provincial Museum: Sian.

Shenyang Palace Museum: Shenyang.

Sinkiang Uighur Autonomous Region Museum: Urumchi.

Szechuan Provincial Museum: Chengtu.

Tientsin Municipal Historical Museum: Hopei.

Tientsin People's Science Hall: Hopei.

Tsingtao Marine-Products Museum: Tsingtao.

Tsunyi Conference Memorial Hall: Tsunyi.

Yenan Revolutionary Memorial Hall: Yenan.

Yunnan Provincial Museum: Kunming.

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UNIVERSITIES

AMOY UNIVERSITY
AMOY, FUKIEN

Founded 1921

President: WANG YA-NAN.

Number of Departments: 8—Chinese Language and Literature, Foreign Languages and Literature, History, Mathematics, Physics, Chemistry, Biology, Economics.

ANHWEI UNIVERSITY
WUHU

Number of Departments: 4—Chemistry, Physics, History and Geography.

CHENGCHOW UNIVERSITY
CHENGCHOW

President: CHI WEN-FU.

Number of Departments: 3—Mathematics, Physics, Chemistry.

PEOPLE'S UNIVERSITY OF CHINA
PEKING

Founded 1950

President: WU YU-CHANG.

Number of students: 3,000.

Number of Departments: 11—Economics, Finance, History, Industrial Economy, Journalism, Law, History and Administration, Planning and Statistics, Philosophy, Rural Economy, Trading Economy.

CHINAN UNIVERSITY
CANTON, KWANGTUNG

Founded 1958

Number of Departments: 4—Mathematics, Primary Industries, Mining and Geology, Marine Products.

CHUNGKING UNIVERSITY
CHUNGKING

President: CHENG SSU-CHUN.

Number of Departments: 6—Geological prospecting, Mining engineering and management, Power engineering, Metallurgy, Mechanical engineering, Telecommunications.

FUTAN UNIVERSITY
SHANGHAI, KIANGSU

Founded 1922

Presidnet: CHEN WANG-TAO.

Number of Departments: 11—Chinese Language and Literature, Journalism, Western Languages and Literature, History, Philosophy, Mathematics, Physics, Chemistry, Biology, Economics, Law.

HANG-CHOU UNIVERSITY
HANG-CHOU, CHE-CHIANG

Founded 1959

Number of Departments: 2—Biology, Mathematics.

HEI-LUNG-CHIANG UNIVERSITY
HARBIN, HEI-LUNG-CHIANG

HO-PEI UNIVERSITY
TEIN-CHIN, HO-PEI PROVINCE

Founded 1960

Number of Departments: 4—Mathematics, Physics, Chemistry, Biology.

HU-NAN UNIVERSITY
CHANG-SHA, HU-NAN PROVINCE

Founded 1959

Number of Departments: 5—Mathematics, Chemistry, Physics, Biology, Engineering.

HU-PEI UNIVERSITY
WU-HAN, HU-PEI PROVINCE

INNER MONGOLIA UNIVERSITY
HUHEHOT

President: WU-LAN-FU.

Number of Departments: 6—Chinese Language and Literature (including Mongolian Language and Literature), History, Mathematics, Physics, Chemistry, Biology.

KIRIN UNIVERSITY
CHANGCHUN

President: KUAN YA-MING.

Number of Departments: 7—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Economics, Law.

LANCHOW UNIVERSITY
LANCHOW, KANSU

Presidrnt: LI TI-SHENG.

Number of Departments: 8—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Geography, Economics.

LIAONING UNIVERSITY
SHENYANG, LIAONING PROVINCE

NANKAI UNIVERSITY
TIENTSIN, HOPEH

Founded 1919

President: YANG SHIH-HSIEN.

Number of Departments: 8—Chinese Language and Literature, Western Languages and Literature, History, Mathematics, Physics, Chemistry, Biology, Economics.

NANKING UNIVERSITY
NANKING, KIANGSU

President: KUO YING-CHIU.

Number of Departments: 11—Chinese Language and Literature, History, Foreign Languages and Literature (Russian, English, German and French), History, Mathematics and Astronomy, Physics, Chemistry, Biology, Geography, Geology, Meteorology.

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NORTHWESTERN UNIVERSITY
SIAN, SHENSI

Founded 1937

President: HOU WAI-LU.

Number of Departments: 10—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Geography, Geology, Economics, Law.

PEKING UNIVERSITY
PEKING

Formed from the former colleges of arts, natural sciences and law of Peking, Tsinghua and Yenching Universities.

President: LU P'ING.

Number of Departments: 15—Chinese Language and Literature, Russian Language and Literature, Western Languages and Literature (English, German and French), History, Philosophy, Eastern Languages (Japanese, Vietnamese, Arabic), Library Science, Mathematics, Physics, Chemistry, Biology and Geography, Economics, Law.

SHANTUNG UNIVERSITY
TSINGTAO, SHANTUNG

Founded 1926

President: CHAO CHE-FU.

Number of Departments: 7—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Oceanography.

SIAN CHIAO-TUNG UNIVERSITY
SIAN, SHEN-HSI PROVINCE

Founded 1954

SINKIANG UNIVERSITY
URUMCHI, SINKIANG PROVINCE

Founded 1960

SUN YAT-SEN UNIVERSITY
CANTON, KUANG-TUNG

Founded 1924

President: HSU CHUNG-CHING.

Number of Departments: 6—Mathematics, Physics, Chemistry, Botany, Zoology, Geography.

SZECHUAN UNIVERSITY
CHENGTU, SZECHUAN

Founded 1931

President: PENG TI-HSIEN.

Number of Departments: 7—Chinese Language and Literuate, History, Mathematics, Physics, Chemistry, Biology, Economics.

WUHAN UNIVERSITY
WUCHANG, HUPEH

Founded 1913

President: LI TA.

Number of Departments: 11— Chinese Language and Literature, History, Russian Language and Literature, Philosophy, Library Science, Mathematics, Physics, Chemistry, Biology, Economics, Law.

YUNNAN UNIVERSITY
KUNMING, YUNNAN

Founded 1934

President: LI KUANG-TIEN.

Number of Departments: 8—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Agriculture, Forestry.

TECHNOLOGICAL UNIVERSITIES

Chekiang University: Hankow; f. 1927; Power, Mechanical, Electrical, Chemical and Civil Engineering; Pres. HOU SHIH-LIEN.

Chiao-Tung University: Shanghai; f. 1896; Power Engineering, Machine and Tool Building, Electrical Machinery and Electronic Instrument Building, Telecommunications; Pres. PENG KANG.

Chi-lin Polytechnic University: Chang-chun, Chi-lin; f. 1958; Mathematics, Physics and Chemistry; Pres. K'UANG YA-MING.

China University of Science and Technology: Peking; Nuclear Physics and Engineering, Technical Physics, Applied Geophysics, Chemical Physics, Radio Electronics, Radiation Chemistry, Thermodynamics, High Polymer Chemistry, Applied Mathematics and Computers, Dynamics, Biophysics, Automation, Geochemistry, Rare Elements.

Foochow University: Foochow; Mathematics, Physics, Chemistry, Mechanical Engineering, Civil Engineering, Electrical Engineering, Chemical Engineering, Mining and Metallurgy.

Harbin Polytechnical University: Harbin; f. 1920; Pres. LI CHANG; 4,000 students; Electrical and Civil Engineering.

Ho-fei Polytechnical University: Hopfei, An-hui.

Northwestern Polytechnical University: Hsien-yang; Pres. SHOU SUNG-TAO.

Shanghai University of Science and Technology: Shanghai; Nuclear Physics and Engineering, Technical Physics, Applied Geophysics, Chemical Physics, Radio Electronics, Radiation Chemistry, Thermodynamics, High Polymer Chemistry, Applied Mathematics and Computers, Dynamis, Biophysics, Automation, Geochemistry and Rare Elements.

Shen-hsi University of Science and Technology: Sian; f. 1960.

Tientsin University: Tientsin; Pres. CHANG KUO-FAN; Vice-Pres. LIU HSI-YING, LI SHU-SEN; Electrical, Mechanical, Chemical, Hydraulic, Building and Civil Engineering.

Tsing Hua University: Peking; f. 1911; Pres. CHIANG NAN-HSIANG; 5,168 students; Building, Electrical, Radio and Hydraulic Engineering, Machine Manufacturing, Engineering Physics.

Tungchi University: Shanghai; f. 1908; Pres. HSUEH SHANG-SHIH; 2,000 students; this is China's largest civil engineering institute for the training of engineers. Depts. of Railway Engineering, Sewer and Pipe-line Laying, Building, Architecture, Surveying.

Yenpien University: Yenchi; agriculture, animal husbandry.

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INSTITUTES OF HIGHER EDUCATION

Agriculture

Anhwei Agricultural Institute: Hofei.
Central China Institute of Agriculture: Wuhan, Hupeh.
Ch'angch'un Veterinary Institute: Ch'angch'un.
Chekiang Agricultural Institute: Hangchow, Chekiang.
Fukien Agricultural Institute: Foochow.
Honan Agricultural Institute: Chengchow; Courses on Afforestation.
Hopei Agricultural Institute: Paoting.
Hunan Agricultural Institute: Changsha; Courses on Forest Management.
Inner Mongolia Institute of Animal Husbandry and Veterinary Science: Inner Mongolia.
Kiangsi Agricultural Institute: Nanchang.
Kwangsi Agricultural Institute: Kweilin.
Kweichow Agricultural Institute: Kweiyang.
Nanking Institute of Agriculture: Nanking.
Nanking Institute of Forestry: Nanking.
North Kiangsu Agricultural Institute: Yangchow. Courses on Animal Husbandry.
Northeastern Institute of Agriculture: Harbin.
Northeastern Institute of Forestry: Harbin.
Northwestern Institute of Agriculture: Wukung, Shensi.
Northwestern Institute of Animal Husbandry and Veterinary Science: Lanchow, Kansu.
Pei-an Institute of Agriculture: Pei-an. Includes courses on Soil Science.
Peking Agricultural Institute: Peking; Pres. Sun Hsiao-Tsun.
Peking Institute of Forestry: Peking; Pres. Li Hsiang-fu.
Peking Mechanical Institute of Agriculture: Peking; Pres. Hsu Chueh-fei.
Shanghai Institute of Marine Products: Shanghai.
Shansi Agricultural Institute: Taiku. Includes course on Animal Husbandry.
Shantung Agricultural Institute: Tsinan.
Shenyang Agricultural Institute: Shenyang.
Sinkiang "August First" Institute of Agriculture: Urumchi. Includes course on Water Conservancy.
South China Agricultural Institute: Kwangchow, Kwangtung.
Southwestern Institute of Agriculture: Chungking, Szechuan.
Szechuan Agricultural Institute: Ya-an.

Economics, Law, Politics

Central Institute for Minorities: Peking; languages and literature of national minorities, history.
Central-southern Institute of Finance and Economics: Wuchang.
Central South Institute for Nationalities: Wuhan; arts, music and fine arts.
Central-southern Institute of Law: Wuchang.
East China Institute of Law: Shanghai.
Kweichow Institute for Nationalities: Kweichow; arts, music and fine arts.
Northeastern Institute of Finance and Economics: Shenyang.
Northwest Institute for Nationalities: Lanchow; arts, nationalities' languages.
Peking Foreign Trade Institute: Peking; f. 1954; training of specialists in foreign trade services; departments of Economics of Foreign Trade, Russian Language, Western Languages, Eastern Languages; also a one-year post-graduate course which includes English; Pres. Li Chiu-yeh.
Peking Institute of Law: Peking; Pres. Chien Tuan-sheng.
Shanghai Institute of Finance and Economics: Shanghai.
Sinkiang Institute of Minorities: Urumchi.
Southwestern Institute of Law: Chungking.
Szechuan Institute of Finance and Economics: Chengtu.

Geology

China Institute of Geology: Peking; f. 1952; Pres. Liu Hsing.
Nanking Geological Institute: Nanking; f. 1951.
Northeastern Geological Institute: Changchun.
Peking Geological Institute: Peking.

Medical

Anhwei Medical College: Hofei.
Canton Chinese Medical College: Canton.
Chekiang Medical College: Hangchow.
Chengtu Chinese Medical College: Chengtu.
Chungking Medical College: Chungking; therapeutics, pediatrics.
Chungking Medical College: Kweiyang; therapeutics.
Dairen Medical College: Dairen.
East China College of Pharmacy: Nanking, Kiangsu.
Fukien Medical College: Foochow.
Harbin Medical College: Harbin.
Honan Medical College: Kaifeng.
Hopei Medical College: Paoting.
Hunan Medical College: Changsha; therapeutics.
Hupeh Medical College: Wuchang.
Inner Mongolia Medical College: Huhehot.
Kiangsi Medical College: Nanchang.
Kiangsu Medical College: Chenkiang.
Kunming Medical College: Kunming.
Kwangsi Medical College: Nanning.
Kweiyang Medical College: Kweiyang.
Lanchow Medical College: Lanchow.
Nantung Medical College: Nantung.
Peking Chinese Medical College: Peking.
Peking Medical College: Peking.
Shanghai Chinese Medical College: Shanghai; Pres. Kung Nai-chuan.
The First Medical College of Shanghai: Shanghai.
The Second Medical College of Shanghai: Shanghai.
Shansi Medical College: Taiyuan.
Shantung Medical College: Chinan.
Shenyang College of Pharmaceutics: Shenyang.
Shenyang Medical College: Shenyang.
Sian Medical College: Sian.
Sinkiang Medical College: Urumchi.

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South China Medical College: Canton.

Sun Yat-sen Medical College: Canton.

Szechuan Medical College: Chengtu.

Tientsin Medical College: Tientsin.

Tsingtao Medical College: Tsingtao; therapeutics.

Wuhan Medical College: Hankow.

PHILOLOGY

Harbin Institute of Foregin Languages: Harbin; Russian language and literature, English language and literature.

Northwest Russian Language Special Course School: Sian; Russian language and literature, English language and literature.

Peking Institute of Foreign Languages: Peking; English language and literature, German language and literature, French language and literature, Spanish language and literature, Rumanian language and literature.

Peking Russian Language Institute: Peking; Russian language and literature, Polish language and literature, Czechoslovak language and literature.

Shenyang Russian Language Special Course School: Shenyang; Russian language and literature.

Sinkiang Institute of Languages: Urumchi; Russian language and literature, English language and literature, German language and literature, French language and literature.

Southwest Russian Language Special Course School: Chunking; Russian language and literature.

TECHNOLOGY:

Central China Engineering College: Wu-chang, Hu-pei.

Central China Institute of Technology: Wuchang.

Central-southern Institute of Civil Engineering: Changsha.

Central-southern Institute of Mining and Metallurgy: Changsha; f. 1952.

Changchun Institute of Automotive Tractor Engineering: Changchun.

Changchun Institute of Geological Surveying: Changchun.

Chengtu Engineering College: Chengtu, Ssu-chuan.

Chengtu Institute of Geological Surveying: Chengtu.

Chengtu Institute of Technology: Chengtu; f. 1954; students 1,200.

Chengtu Institute of Tele-Communication Engineering: Chengtu.

Chungking Institute of Architectural Engineering: Chungking.

Dairen Institute of Marine Transportation: Dairen.

Dairen Institute of Engineering: Dairen; f. 1949; Mechanical, Chemical and Hydraulic Engineering.

East China Institute of Hydraulic Engineering: Nanking.

East China Institute of Technology: Shanghai; Organic and Inorganic Industry.

East China Institute of Textile Industry: Shanghai.

Harbin Architectural Engineering College: Harbin.

Hofei Mining Institute: Hofei.

Ho-pei Provincial College of Science and Technology: Ho-pei Province; f. 1960.

Kun-ming Engineering College: Kun-ming.

Nanking Institute of Engineering: Nanking; Food Industry, Machine Building, Engineering.

Nanyang Engineering Institute: Shanghai; Machine Building; Electrical Engineering.

Northeastern Engineering College: Shenyang; f. 1949.

Northeastern Institute of Engineering: Shenyang; Mine Exploitation, Iron and Steel Technology.

Northwestern Institute of Engineering: Sian.

Peking Institute of Aeronautical Engineering: Peking.

Peking Institute of Aeronautical Engineering: Peking. Vice-Pres. YANG TAI-FU.

Peking Institute of Geological Prospecting: Peking.

Peking Institute of Mining Technology: Peking.

Peking Petroleum Institute: Peking; f. 1953.

Peking Institute of Postal and Tele-Communications: Peking; f. 1955.

Peking Institute of Railway Engineering: Peking; Vice-Pres. LI HSIN-PO.

Peking Institute of Steel and Iron Technology: Peking; Physical Chemistry, Mining, Metallurgy, Technology, Mechanical Engineering; Vice-Pres. WEI CHING-CHANG.

Peking Institute of Technology: Peking; Chemical and Radio Engineering; Mechanics.

Shanghai Ship Building Institute: Shanghai; Ship-building, Electrical Engineering for Ships, Engineering Economics.

Shan-tung Engineering College: Chi-nan.

Shangtung Institute of Technology: Tsinan; Machine Manufacture.

Sian Institute of Aeronautics: Sian; Aircraft, Engines, Aeronautic Heat Processing Technology.

Sian Institute of Building Construction: Sian.

South China Engineering College: Canton.

South China Institute of Technology: Canton; Building, Mechanical and Chemical Engineering.

South Kiangsu Technical College: Soochow.

Taiyuan Institute of Technology: Taiyuan; Electrical and Chemical Engineering, Machinery Building.

Tangshan Institute of Railway Engineering: Tangshan.

Tsingtao Engineering College: Ching-tao, Shantung.

Tsingtao Institute of Technology: Tsingtao.

Wuhan Institute of Hydraulic Engineering: Wuchang.

Wuhan Institute of Inland Waterway Transportation: Wuchang.

Wuhan Institute of Surveying and Cartography: Wuchang.

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SCHOOLS OF ART AND MUSIC

Central Conservatory of Music: Tientsin; f. 1950; branch in Shanghai; Dean MA SSU TSUNG; Vice-Dean LU CHI.

Central Institute of Arts and Crafts: Peking; f. 1950; departments of Painting, Practical Fine Arts, Sculpture.

Central Institute of Drama: Peking; f. 1950; Dean WANG YAO-CHING; Vice-Dean TSAO YU.

Central Institute of Fine Arts: Peking.

Central-southern Institute of Fine Arts: Wuchang, Hupeh.

Central-southern Music Institute: Wuchang.

Hangchow Institute of Fine Arts: Hangchow.

Northeastern Institute of Fine Arts: Shenyang.

Northeastern Music Institute: Shenyang.

Northwestern Arts Institute: Sian.

Northwestern Music Institute: Sian.

Peking Institute of Filmology: Peking.

Shanghai Conservatory of Music: Shanghai; Pres. Ho LU-TING.

Shanghai Institute of Drama: Shanghai.

Southwestern Institute of Fine Arts: Chungking.

Southwestern Music Institute: Chengtu.

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REPUBLIC OF CHINA (TAIWAN)

Population 11,302,000

ACADEMIES

ACADEMIA SINICA

TAIPEI

President: WANG SHIH-CHIEH.

Director-General: Dr. VEICHOW C. JUAN.

There are 71 elected members.

Institute of Mathematics: Acting Dir. SHIH-SHAO LIU.

Institute of Chemistry: Dir. Prof. NGAN-SHOU WAI.

Institute of Botany: Dir. LI HSIEN-WEN.

Institute of Zoology: Dr. SHU-MU LIANG.

Institute of History and Philology: Dir. LI CHI.

Institute of Modern History: Dir. KUO TING-YEE.

Institute of Ethnology.

Institute of Physics: Dir. Dr. WU TA-YOU.

Institute of Ethnology: Dir. Dr. SHUN-SHENG LING.

Institute of Economics: Dir. Prof. MO-HUAN HSING.

ACADEMIA HISTORICA

TAIPEI

President: Dr. LO CHIA-LUEN.

BOARD OF COUNCILLORS:

Prof. YAO CHUNG-WU (*Head*), Prof. LI CHI, Prof. LI CHUNG-TUNG, Prof. LING HUNG-SHUN, Prof. HSIAO I-SHAN, Prof. KWANG LOO, Prof. MAO TSE-SHUI, Prof. KUO TING-YEE, Gen. LIU YUEN-YAO.

Contains national archives, library, documents; engaged in preparing history of China since the establishment of the Republic of China.

NATIONAL INSTITUTE FOR COMPILATION AND TRANSLATION

TAIPEI

Director: WANG FUNG-CHIAI.

Translates foreign books, examines and approves textbooks and standardises scientific and technical terms. Departments of Natural Sciences, Humanities and Textbooks.

LEARNED SOCIETIES

Astronomical Society of the Republic of China: 64 Kung Yuen Road, Taipei, Taiwan; f. 1958; to promote the sciences of astronomy and maintain contact with world astronomers; Pres. KAO PING TSU; Gen. Sec. RONG-AN LIN.

China National Foreign Relations Association: 94 Nanchang Road, Sec. I, Taipei; Pres. HUANG, KUO-SHU.

China Natural Science Promotion Association: Taipei; f. 1959; 900 mems.; to popularise natural sciences.

China Science Promotion Association: Taipei; f. Nanking 1917, refounded in Taiwan 1954; Dir. Dr. CHENG, TIEN-FANG.

Chinese Association for the Advancement of Sciences: 5 Chungshan South Road, Taipei; Pres. CHENG, TIEN-FONG.

Chinese Classical Music Association: 1 Lin Yi Street, Lane 3, Taipei.

Committee on Promotion of the Peaceful Uses of Atomic Energy: 110 Yenping South Road, Taipei; Pres. MILTON J. T. SHIEH.

International House Association, Taipei Chapter: 1 Hsinyi Road, Sec. III, Taipei; Pres. GEORGE Y. L. WU.

Physical Society of China: c/o Institute of Physics, Academica Sinica, Tapei.

RESEARCH INSTITUTES

Geological Survey of Taiwan: P.O. Box 31, Taipei, Taiwan; f. 1946; geological research and mapping; mineral survey; ground water and engineering research; Dir. CHING-CHANG, Biq; Chief Geologist T. L. HSU; Chief Minerologist T. P. YEN; Chief Fuel Geologist C. S. HO; Chief Palæontologist L. S. CHANG; library of over 10,000 vols.; publs. *Bulletin of the Geological Survey of Taiwan*, maps and papers.

National Research Institute of Agricultural Economics: Provincial College of Agriculture, Taichung; f. 1957.

Research Institute of Civil Engineering: Provincial Cheng Kung University, Tainan; f. 1959.

Research Institute of Electrical Engineering: Provincial Cheng Kung University, Tainan; f. 1959.

Research Institute of Electronics: National Chengchi University, 3 Lane 202, Roosevelt Road, Taipei; Dir. LEE SHIH-MOU.

Research Institute of Mechanical Engineering: Provincial Cheng Kung University, Taiwan; f. 1957.

Research Institute of Nuclear Science: National Tsing Hua University, Hsinchu; f. 1956; Acting Pres. Dr. KO-CHUNG CHEN; staff 105; post graduate students 70.

Taiwan Fisheries Research Institute: Chilung; Dir. TENG HUO-TO.

Union Industrial Research Institute: Ministry of Economic Affairs, Hsinchu, Taiwan; f. 1954; eleven research laboratories for studying industrial problems.

LIBRARIES

National Central Library: 43 Nan Hai Road, Taipei; f. 1954; 239,850 vols., including rare Chinese collection of 121,376 vols., stone rubbings, bronze inscription; Dir. CHIANG FU-TSUNG.

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Institute of History and Philology Library: Academia Sinica, Taipei: 201,000 vols.; 25,000 rubbings; Cabinet records of Ming and Ch'ing dynasties and Factual Files of Ming dynasty.

Kuomintang Central Committee Library: Taipei; 105,541 vols. on Dr. Sun Yat-Sen's writings and studies on San Min Chu.

National War College Library: Taipei; 78,604 vols. on political subjects.

Taipei City Library: Taipei; 56,388 vols.; seven branches.

Taiwan Provincial Library in Taipei: 1430-1 Chung Cheng Road, Taipei; f. 1915 and renamed in 1948; 303,000 vols.; special collections of Taiwan books (16,000 vols.), Southern Asian books (50,000 vols.); 3 brs. and mobile service; Dir. SING-WU WANG; publs. *Bulletin, Catalogue of Books Relating to Taiwan, Catalogue of Western Books on China, Union Catalogue of Chinese Bibliographies.*

MUSEUMS AND ART GALLERIES

Joint Administration National Palace and National Central Museum: Wu-feng, Taichung; f. 1949; collections brought from the National Palace and National Central Museums in China; 242,596 items dating from the Shang Dynasty (1523-1028 B.C.) to Ching Dynasty (1644-1911).

National Historical Museum: Nanhai Road, Taipei; f. 1956; includes collections formerly in Honan Provincial Museum, items recovered from Japan after the Sino-Japanese War; results of excavations on Kinmen and Penghu Islands; Dir. PAO TSENG-PENG.

National Taiwan Science Hall: 47 Nanhai Road, Taipei, Taiwan; f. 1958; planetarium, science exhibitions; organised Science Clubs of the Republic of China 1962; Publ. *Science Clubs Bulletin* (monthly).

Taiwan Provincial Museum: New Park, Taipei; f. 1908, renamed in 1946; collections of local Taiwan cultures, natural history and geology of Taiwan.

UNIVERSITIES

NATIONAL CHENGCHI UNIVERSITY

MUSHAN, TAIPEI

Founded 1927 as School of Political Science; raised to the status of University 1946. Government financed.

President: CHI-HUNG LIU.
Dean of Studies: CHI-YEAN LOH.

Library: 22,000 vols. in English, 67,018 vols. in Chinese.
Number of teachers: 417, including 302 professors.
Number of students: 3,121.

DEANS OF GRADUATE SCHOOLS:

School of Education: SHANTAN WU.
School of Political Science: CHING-CHIEN CHANG.
School of Diplomacy: KWANG-HSUN TU.
School of Journalism: SHU-PAI TSEN.

DEANS OF COLLEGES:

College of Arts: KANG WU.
College of Law: WAN-HAI TSOU.
College of Commerce: T. S. WEI.

HEADS OF DEPARTMENTS:

Department of Chinese Literature: KUNG-CHE HSIUNG.
Department of Oriental Languages: SHIH-HWAN MENG.
Department of Western Languages and Literature: ZI KHAU-PIAO.
Department of Education: PING CHENG HU.
Department of Political Science: CHU CHIEN-MING.
Department of Diplomacy: CHE-TAI LEE.
Department of Journalism: PAUL H. C. WONG.
Department of Ethnology and Sociology: LION HU.
Department of Public Finance: TSE-YAO CHANG.
Department of International Trade: YU BEH.
Department of Accounting and Statistics: T. T. KAO.
Department of Banking: TUNG SHIU-MING.
Department of Law: I-DIN CHANG.
Department of Business Administration: WEI-CHUN JAN.

NATIONAL TAIWAN UNIVERSITY

HSIN SHENG SOUTH ROAD, TAIPEI

Founded in 1928 during the Japanese occupation as the Taihoku Imperial University; taken over and name changed by the Chinese Government in 1945.

President: SHIH-LIANG, CHIEN.
Dean of Studies: YUAN-LIANG KU.
Dean of Students: FAH-HSUEN LIU.
Dean of Business Affairs: TEH-HSIN HWANG (acting).

Library of over 700,000 vols.
Number of teachers: 810.
Number of students: 8,125.

Publications: *Bulletin of the College of Arts, Bulletin of the Department of Archæology and Anthropology, Acta Geologica Taiwanica, Acta Botanica Taiwanica, Acta Chimica Taiwanica, Acta Zoologica Taiwanica, Journal of Social Science, Memoirs of the College of Medicine, Memoirs of the Faculty of Engineering, Memoirs of the College of Agriculture.*

DEANS OF COLLEGES:

College of Liberal Arts: KANG-PEH SHEN.
College of Science: KUNG-SHING SHIH.
College of Law: CHIEN-SHENG SHIH.
College of Medicine: HUO-YAO WEI.
College of Engineering: TSU-NIEN CHIN (Acting).
College of Agriculture: YEN-TIEN CHANG.

HEADS OF DEPARTMENTS:

College of Liberal Arts:
Chinese Literature: T'AI, CHIN-NUNG.
Foreign Languages and Literature: YING, IGNATIUS C.L.
History: LIU CH'UNG-HUNG.
Philosophy: HUNG YAU-SHUN.
Archaeology and Anthropology: RUEY, YIH-FU (Acting).

College of Science:
Mathematics: HSU CHEN JUNG.
Physics: TAI YUN-KWEI.
Chemistry: PAN, KUAN.
Geology: WANG, C. S. (Acting).
Zoology: WANG, YU-HSI MOLTZE.
Botany: CHAO CHUAN-YIN.
Psychology: SU HSIANG-YU.
Geography and Meteorology: HSUEH CHI-HSUN.
Pre-Medical Division: TAO HSIN-CHIH.

College of Law:
Law: HAN, GEORGE CHUNG-MO.
Political Science: HUANG ROBERT CHU-KUA.
Economics: CHANG HAN-YU.
Sociology: LUNG, KWAN-HAI.
Business Administration: LI, YIN-WU.

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College of Medicine:
Anatomy: Yu Chin-chuan.
Physiology: Fang Hwai-shih.
Biochemistry: Tung Ta-chen.
Bacteriology: Yen Chih-chung.
Parasitology: Huang Wen-hsien.
Pharmacology: Lee Cheng-yuan.
Pathology: Yeh Shu.
Public Health: Chen Kung-pei.
Internal Medicine: Tsai Hsih-chin.
Surgery: Lin Tien-yiu.
Gynaecology and Obstetrics: Wei Ping-yen.
Pediatrics: Wei Huo-yao.
Neuro-psychiatry: Ling Tsung-yi.
Otorhinolaryngology: Tu, Shih Mien.
Ophthalmology: Yang Yen-fei.
Dermatology and Urology: Hsieh Yui-fu.
Dentistry: Kuo Shui.
Radiology: Chiang Lang-chang.
Clinical Pathology: Yang, Sze-piao.
Pharmacy: Sung Yuin-tao.
Nursing: Yu Tao-cheng.
Medical Technology: Yang, Sze-piao.

College of Engineering:
Civil Engineering: Yu, Chao-chung.
Mechanical Engineering: Chin, Julian Tsu-nien.
Electrical Engineering: Sheng Ching-lai.
Chemical Engineering: Sheng Hsiung-ching.

College of Agriculture:
Agronomy: Chang, Lu-chih.
Agricultural Engineering: King, Cheng.
Agricultural Chemistry: Chen Chen-tow.
Plant Pathology and Entomology: Yie Shi-tao.
Forestry: Liu, Tang-jui.
Animal Husbandry: Lee, Teng-yuan.
Veterinary Medicine: Liu, Yong-piao.
Agricultural Economics: Chang Te-tsui.
Horticulture: Chen Ching-ching.
Extension: Yang Martin.

Directors of Research Institutes:
Chinese Literature: T'ai, Chin-nung.
History: Liu Ch'ung-hung.
Philosophy: Hung Yau-shun.
Archæology and Anthropology: Ruey, Yih-fu (acting).
Chemistry: Pan, Kuan.
Geology: Wang C. S.
Botany: Chao Chuan-yin.
Political Science: Huang Robert Chu-kua.
Botany: Shen Yu-feng.
Political Science: Lui Peiwei S.
Law: Han, George Chung-mo.
Economics: Chang Han-yu.
Physiology: Fang Hwai-shih.
Pathology: Yeh Shu.
Public Health: Chen Kung-pei.
Agronomy: Chang Lu-chih.
Agricultural Chemistry: Chen Chen-tow.
Plant Pathology and Entomology: Yie Shih-tao.
Mathematics: Hsu Chen-jung.
Zoology: Wang, Yu Hsi Moltze.
Civil Engineering: Yu Chao Chung.
Rural Social Economics: Chang Te Tsui.

TAIWAN PROVINCIAL CHENG KUNG UNIVERSITY
TAINAN, TAIWAN

Founded 1927 as Tainan Higher Technical School, renamed Taiwan Provincial College of Engineering 1946, took present name in 1956

Comprises three colleges: College of Engineering, College of Arts and Sciences, and College of Business Administration.

President: Dr. Chen-hsing Yen.
Librarian: C. L. Chou.

Number of teachers: 424.
Number of students: 3,480.

Deans:
Studies: Chiun-ti Chuang.
Students: Tso-shao Ting.
General Affairs: Hsien-lin Liu.
College of Arts and Science: Jen-ming Woo.
College of Engineering: Yun-pin Lo.
College of Business Administration: Ting-hsin Liu.
Heads of Departments: C. M. Shi, C. T. Fu, T. S. Chang, L. T. Lee, Y. S. Chu, C. H. Chou, H. Y. Lo, C. Nee, T. I. Chu, T. S. Liu, C. Y. Cheng, P. C. Fan, T. T. Lai, T. W. Chang.

TAIWAN PROVINCIAL CHUNG HSIN UNIVERSITY
TAICHUNG

Founded 1961

Includes the former Taiwan Provincial College of Agriculture, Taichung, and the Taiwan Provincial College of Law and Commerce, Taipei.

President: Tang Hui-sun.

Number of students: 3,639.

TAIWAN PROVINCIAL NORMAL UNIVERSITY
TAIPEI, TAIWAN
Telephone: 29916

Founded 1946

President: Dr. Yuan-tsai Tu.
Registrar: Wu Kuo-min.

Number of teachers: 410 full-time, 186 part-time.
Number of students: 5,105.
Publications: *Bulletin of Taiwan Normal University, Journal of Research Institute of Chinese Literature, Bulletin of Institute of Educational Research.*

Deans:
College of Education: Dr. Pei-lin Tien.
College of Arts: Ting-i Kuo.
College of Science: Dr. Ko-chung Chen.
Department of General Affairs: Tsuan-chao Yuan.
Study: Liang-tung Tsung.
Students: Tsung-ning Chang.

TUNGHAI (CHRISTIAN) UNIVERSITY
TAICHUNG, TAIWAN

Founded 1955 under the auspices of the United Board for Christian Higher Education in Asia and supported largely by the Board

President: Wu Teh-yao.
Dean of Studies: Tang Shou-chien.
Dean of Students: Chang Ching-yu.
Librarian: Harris B. H. Seng.

Number of teachers: 110.
Number of students: 830.

Deans of Colleges:
College of Arts: Ku Tun-jou.
College of Science: Wen Pu-yi.
College of Engineering: A. Theodore Trimble (*Acting Dean*).

Professors:
Faculty of Arts:
Buell, William A. (English).
Chang, Ching-Yu (Sociology).
Chang, Fo-Chuan (Political Science).

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CHAO, CHING-HSI (Economics).
CHI, LO-TUNG (History).
COCHRAN, ANNE (English).
FANG, SHI TOU (Chinese).
HSIAO, CHI-CHUNG (Chinese).
HSU, DAU-LIN (Political Science).
HSU, FU-KWAN (Chinese).
KAO, PAO-KWANG (Chinese).
LAN, WEN-CHENG (History).
LIANG, CHIA-PIN (History).
LIANG, JUNG-JOU (Chinese).
LUNG, KUAN-HAI (Sociology).
SENG, HARRIS B. H. (Library Science).
SUN, KE-KWAN (Chinese).
TIEN, KE-MING (Economics).
TU, HENG-TSE (Political Science).
YANG, SHAO-TSENG (History).
YANG, SHU-CHIA (Economics).

Faculty of Science:

CHEN, CHIEN-SHAN (Biology).
CHIEN, HSIEN-FANG (Biology).
CHU, YING-SIEN (Physics).
WANG, SHIN-FU (Physics).

Faculty of Engineering:

TRIMBLE, A. THEODORE (Chemical Engineering).

COLLEGES

College of Chinese Medicine and Pharmacy: Taipei; f. 1958; Pres. CHOW PANG-TAO; Depts. of Chinese medicine and pharmacy; 54 staff, 150 students.

College of Law of Private Soochow University: Taipei, Taiwan; Pres. SHIH CHAO-YUNG; 61 staff, 1,122 students (888 men, 234 women).

Institute of Electronics: Sinchu; f. 1958.

Private Kaohsiung Medical College: Kao-hsiung, Taiwan; f. 1954; Pres. TSUNG-MING TU; 126 staff, 789 students.

Providence English College: Taichung; Pres. Dr. MARK TSAI; 50 teachers, 480 women students.

Soochow University Law School: Hankow Street, Taipei; Dean Dr. SHIH CHAO-YUNG; 1,341 students.

Taipei Institute of Technology: Taipei; Pres. CHANG TAN.

Taiwan Christian College: Chung Li, Taiwan; f. 1955; Pres. M. S. HSIEH, PH.D.; 126 staff, 1,400 students.

Taiwan Provincial College of Agriculture: Taichung; f. 1946; ten departments; Pres. WANG TSU-KAO; 275 teachers, 1,226 students.

Taiwan Provincial College of Law and Commerce: Hokiang Street, Taipeh; f. 1949; five departments; Pres. CHEO IH KWEI; 276 teachers, 2,529 students.

Taiwan Provincial Institute of Agriculture: Ping-tung, Taiwan; f. 1954; Pres. WANG YU-KANG; Depts. of Agronomy, Agricultural Chemistry and Animal Husbandry, Veterinary Medicine, Forestry, Agricultural Machinery, and Irrigation and Drainage; 403 students.

Taiwan Provincial Junior College of Nursing: Taipei, Taiwan; formerly the Nursing Vocational School; Pres. HSU AI-CHU; 300 students.

Taiwan Provincial Maritime Junior College: Keelung, Taiwan; f. 1953; Pres. LEE CHANG-LY; 962 students.

Taiwan Provincial Taipei Junior College of Technology: Taipei, Taiwan; f. 1948; Pres. CHANG TAN; 1,805 students.

Tamkang College of Arts and Sciences: Tamsui; f. 1951; Pres. Dr. WEILUN CHEN; 3,015 students.

SCHOOLS OF ART AND MUSIC

National Taiwan Arts Centre: 47 Nanhai Road, Taipei; exhibitions of art; performances of national opera; plays, films, concerts, dancing.

National Taiwan Junior College of Arts: Pan-chiao Park, Taipei; f. 1955; cine-drama, radio-TV, music, crafts, printing, fine arts; 245 teachers, 747 students; Pres. TENG CHANG-KUO.

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COLOMBIA

Population 14,768,510

LEARNED SOCIETIES AND RESEARCH INSTITUTES

ACADEMIES

Bogotá

Academia Colombiana (*Colombian Academy*): Ap. Postal 815; f. 1871; corresponding Academy of the Real Academia Española, Madrid; 50 corres. mems.; publs. *Anuario* (12 vols.), *Boletín*.
Director: R.P. Félix Restrepo, S.J.
Deputy-Director: Eduardo Guzmán Esponda.
Secretary: José Manuel Rivas Sacconi.
Librarian: Manuel José Forero.
Treasurer: José Antonio León Rey.
Censor: Rafael Torres Quintero.

Members:

Aguilera, Miguel
Arciniegas, German
Azula Barrera, Rafael
Bateman, Alfredo D.
Bejarano Díaz, Horacio.
Caballero Calderón, Eduardo
Carranza, Eduardo
Castro Silva, Mgr. José Vicente
Caycedo, Bernardo J.
Escobar López, Ignacio
Florez, Luis
Forero, Manuel José
García, Mgr. Juan Crisóstomo
Gusmán Esponda, Eduardo
Hinestrosa Daza, Ricardo.
León Rey, José Antonio
Lleras Camargo, Alberto
Lopez de Mesa, Luis
Lozano Y Lozano, Juan
Martinez, Fernando Antonio
Maya, Rafael
Motta Salas, Julián
Naranjo Villegas, Abel
Ortega Torres, R.P. José J.
Ospina, R.P. Eduardo
Pabón Núñez, Lucio.
Piñeros Corpas, Joaquin.
Porras Troconis, Gabriel.
Restrepo, R.P. Félix
Rivas Sacconi, José Manuel
Rojas, Jorge.
Sánchez, R.P. Alvaro
Santos, Eduardo
Torres Quintero, Rafael

Academia Colombiana de Ciencias Exactas, Físicas y Naturales (*Colombian Academy of Exact, Physical, and Natural Sciences*): Observatorio Astronómico de Santafe de Bogotá, Carrera 8a, No. 8.00; Apdo. 2584; Pres. Jesus Emilio Ramírez, S.J.; Vice-Pres. Leopoldo Guerra Portocarrera; Academic Sec. Hernando Franco; Acad. Treas. Vicente Pizano Restrepo; 7 hon. mems., 28 mems., 85 corres. mems.; publ. *Revista*.

Academia Colombiana de Historia (*Colombian Academy of History*): Calle 10 No. 8-95, Bogotá; f. 1902; library 50,000 vols.; 40 mems. excluding Colombian and foreign corres. mems.; Pres. Dr. Eduardo Santos; Sec. Luis Duque Gómez; publ. *Boletín de Historia y Antiguedades* (Dir. Dr. Mario Germán Romero).

Academia Colombiana de Jurisprudencia (*Colombian Academy of Jurisprudence*): Apdo. Nacional 28-39; f. 1894; Sec. Gerardo Melguizo; publs. *Revista, Anuario*.

Academia Nacional de Medicina (*National Academy of Medicine*): Carrera 9, No. 20-13, Apdo. Nacional 386; f. 1890; 40 mems., 10 hon. mems.; Pres. Prof. Edmundo Rico; Vice-Pres. Dr. Gonzalo Esguerra Gómez; Sec. Dr. Guillermo Rueda Montaña; Perm. Sec. Dr. José Vicente Huertas; publ. *Revista* (quarterly).

Cartagena

Academia de Historia de Cartagena de Indias (*Cartagena Academy of History*): Calle de Vicente García 6; f. 1912; 24 mems., 25 hon., 50 Colombian, and 112 foreign corresponding; Pres. Gabriel Porras Troconis; Vice-Pres. Raúl Porto del Portillo and Gabriel Jiménez M.; Perm. Sec. Fidel J. Pérez Calvo; Treas. Eduardo Gz. de Piñeres; Librarian Simón J. Vélez; publ. *Boletín Historial* (Dir. Pastor Restrepo).

Medellín

Academia Antioqueña de Historia (*Antioquia Academy of History*): Carrera 53, Nos. 51-65; f. 1903; Pres. Emilio Robledo, M.D.; publ. *Repertorio Histórico*.

SOCIETIES

Bogotá

Alliance Française: Carrera 7a, 22-78, a.n. 805; Dir. R. Liquière.

British Council, The (*El Consejo Britdnico*): Apdo. Aéreo 4682, Calle 22, No. 6-21; Rep. P. A. Harrison (Acting).

Conservatorio Nacional de Música de Bogotá (*Academy of Music*); Ciudad Universitaria; Dir. Maestro Fabio González Zuleta; publ. *Monografías del Centro de Estudios Folkloricos y Musicales*.

Departamento Administrativo Nacional de Estadística (*Statistics Office*): Carrera 13, No. 13-24; f. 1923; Dir. Dr. Alberto Charry Lara; Admin. Head Ernesto Santos Serrano; publs. *Boletín Mensual de Estadística, Anuario General de Estadística, Anuario de Comercio Exterior, Anales de Economía y Estadística, Geografías Económicas Seccionales, Censos*, and others.

Fundación Rockefeller (*Rockefeller Foundation*): f. 1919; Dir. Dr. Ulises J. Grant.

Instituto Caro y Cuervo: Apdo. Postal 805 (Chapinero); f. 1942; Dir. Dr. José Manuel Rivas Sacconi; Dep. Dir. Dr. Rafael Torres Quintero; Sec.-Gen. Dr. Francisco Sánchez Arévalo; Chief of Dept. of Lexicography Dr. Fernando Antonio Martínez; Chief of Dept. of Dialectology Dr. Luis Flórez; Chief of Dept. of Bibliography Dr. Rubén Pérez Ortiz; Chief of Dept. of Cultural History Dr. Guillermo Hernández de Alba; Chief of Dept. of Classical Philology Dr. Jorge Páramo; publs. *Thesaurus* (three times yearly, Vol. I, 1945-), *Biblioteca de Publicaciónes del Instituto*

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(18 vols.), *Series Minor* (8 vols.), *Clásicos Colombianos* (5 vols.), *Filólogos Colombianos* (3 vols.), *Anuario Bibliográfico Colombiano* (1951-56, 1957-58, 1959-60, 1961), *Serie Bibliográfica* (4 vols.), *Diccionario de construcción régimen de la lengua castellana*, tomes 1-3.

Instituto Central de Medicina Legal (*Institute of Forensic Medicine*): Carrera 13, Nos. 7-30 and 7-46; f. 1914; Dir. Dr. GUILLERMO URIBE CUALLA; Sec. FRANCISCO ABELLA; publ. *Revista de Medicina Legal de Colombia.*

Instituto Colombiano de Antropología (*Colombian Institute of Anthropology*): Carrera 7A, No. 28-66, Apdo. Nacional 407; f. 1952; formerly *Instituto Etnológico Nacional*; Dir. Dr. MANUEL JOSÉ CASAS-MANRIQUE; Sec. Sta. MILLINA MUÑOZ; publs. *Revista Colombiana de Antropología, Revista Colombiana de Foklor.* This Institute administers also the Museo Arqueológico Nacional and the Museo Etnográfico Nacional.

Instituto Colombiano de Especialización Técnica en el Exterior (ICETEX) (*Colombian Institute for Advanced Training Abroad*): Carrera 7, No. 14-28, Apdo. Aéreo 5735, Bogotá; f. 1952; helps to prepare qualified leaders for all fields of Colombian life in universities of the world by means of loans and scholarships; Dir. Dr. GABRIEL BETANCUR-MEJÍA.

Instituto de Ciencias Naturales (*Institute of Natural Sciences*): Apdo. 2535; f. 1938; to conduct scientific research; three main sections: botany, zoology and geology; Dir. Dr. JOSÉ PABLO LEYVA; publs. *Caldasia* (Natural Sciences), *Lozania* (Zoology) and *Mutisia* (Botany).

Instituto Geofísico de los Andes Colombianos (*Geophysical Institute of the Colombian Andes*): Apdo. 270; f. 1941; Dir. R.P. J. EMILIO RAMÍREZ, S.J.; Sub.-Dir. RAFAEL GOBERNA, S.J.; Librarian FRANCISCO MIRANDA; comprises:

Ionospheric Section: Estación Ionosférica; Modelo C-4; f. 1957.

Meteorological Section: Observatorio Meteorológico; formerly Observatorio Nacional de San Bartolomé; f. 1922; publ. *Anales del Observatorio, Meteorology* (periodical).

Seismic Section: Estación Sismológica; f. 1941; publ. *Seismology* (periodical).

Other publs. *Boletín Serie C-Geología, Boletín Serie B-Meteorología, Boletín Serie A-Sismología, Earthquake History of Colombia,* Seismic and Tectonic map of Colombia, monographs, *Los Minerales Radio-Activos en Colombia, Interior de la Tierra*; small specialised library on the geology and geophysics of Colombia; rare works on geology and travels dating from 1540.

Instituto Geográfico "Agustin Codazzi": Avenida Ciudad de Quito 48-51; f. 1935; prepares topographical, cadastral and agricultural maps of the country, and geophysical and geodetic surveys; Dir. José LUIS CADAVID.

Instituto Nacional de Cancerologia: Ministerio de Salud; Dir. MARIO GAITÁN YANGUAS.

Instituto Nacional de Salud (*National Institute of Health*): Calle 57, No. 8-35, Apdo. Aéreo 3495; Dir. Dr. FERNANDO SERPA FLÓREZ.

Istituto Italiano di Cultura: Calle 24, No. 5-21; Dir. Prof. OTTAVIO MULAS.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Apdo. 2584; f. 1803; library 2,000 vols.; Dir. Ing. JORGE ARIAS DE GREIFF; publs. *Revista de la Academia Colombiana de Ciencias.*

Sociedad Colombiana de Cardiología (*Colombian Cardiological Society*): Carrera 13, No. 48-26; f. 1944; 26 mems.; Pres. Dr. A. DE FRANCISCO; Sec. Dr. H. FORERO-LAVERDE.

Sociedad Colombiana de Ingenieros (*Colombian Society of Engineers*): Carrera 4, No. 10-41; f. 1887; 950 mems.; library 6,000 vols.; Pres. ALFONSO DÁVILA ORTIZ; Sec. DEMETRIO VALDÉS O.; publ. *Anales de Ingeniería.*

Sociedad Colombiana de Pediatria y Puericultura (*Colombian Pædiatrics Society*): Hospital Militar Nuevo, Transveral 5, No. 49-00, 13th Floor; f. 1917; 98 mems.; Pres. Dr. JUAN B. CASTAÑO CASTILLO; Sec. Dr. EDDY ROMERO MANRIQUE; publ. *Revista* (quarterly).

Sociedad Colombiana de Radiología (*Radiological Society*): f. 1945; 42 mems.; Pres. Dr. CARLOS MONSALVE ARBOLEDA; Sec. Dr. ARRY CONSTANTIN.

Sociedad de Agricultores de Colombia (*Agricultural Society of Colombia*): Apdo. 2252; f. 1871; consultative body for the Government; 1,213 mems. in Bogotá, 233,000 others in remainder of the country; Pres. PEDRO BERNAL ESCOBAR; Sec.-Gen. MARÍA ESTER ARANGO DE SALINAS; publs. *Revista Nacional de Agricultura* (monthly), *Agricultura* (weekly).

Sociedad de Biología de Bogotá (*Biological Society*): Carrera 8, No. 81-A-25, Apdo. postal 373; f. 1942; 30 mems.; Pres. Dr. J. HERNANDO ORDÓÑEZ; Sec. Dr. FRANCISCO DE CASTRO; publ. *Anales.*

Sociedad Geográfica de Colombia (*Colombian Geographical Society*): Observatorio Astronómico Nacional, Apdo. 2584; f. 1903; 40 mems.; Pres. Dr. MANUEL JOSÉ FORERO; Sec. GERMÁN SIERRA OCHOA; publs. *Boletín* (3 times a year), *Cuadernos de Geográfia Columbiana*; principal affiliated societies: Geographical societies (Centros Geográficos) in Barranquilla, Pasto, Medellin, Tunja, Sibundoy.

Sociedad Jurídica de la Universidad Nacional (*Juridical Society of the National University*): f. 1908; Pres. RAFAEL ZÚÑIGA NAVIA; Vice-Pres. HUGO GÓMEZ ANGEL; Administrator MIGUEL HUSSMAN J.; publs. *Revista Jurídica* and *Universidad Nacional de Colombia* (quarterly).

Medellín

Sociedad Antioqueña de Agricultores (*Farmers' Assen.*): San Juan X Bolívar No. 50-65, Edificio del Agricultor; f. 1914; publ. *Boletín Agrícola* (monthly).

Sociedad Antioqueña de Ingenieros (*Society of Engineers*): f. 1944; Pres. Ing. GUILLERMO HINCAPIÉ; Sec.-Gen. Ing. CARLOS POSADA P.

LIBRARIES

There are Municipal Libraries in all towns.

Bogotá

Archivo Nacional de Colombia: Biblioteca Nacional, Apdo. 2587; f. 1868; Dir. Dr. ENRIQUE ORTEGA RICAURTE; publs. *Revista* and series of historic documents.

Biblioteca de Dr. Luis A. Cuervo (*Private Library of Dr. Luis A. Cuervo*): 50,000 vols.

Biblioteca de Dr. Antonio Gómez Restrepo (*Private Library of Dr. Antonio Gómez Restrepo*): 50,000 vols.

Biblioteca del Colegio Máximo de la Compañía de Jesús Carrera 10a, No. 65-48; f. 1936; 30,000 vols.

Biblioteca del Seminario Mayor de Bogotá (*Library of the Bogotá Major Seminary*): El Chico, Bogotá 2; 15,000 vols.; Librarian P. JUAN DYACK.

Biblioteca de la Pontifica Universidad Católica Javeriana 102,000 vols.; Librarian ERNESTO DELGADO A.

Biblioteca de la Universidad Nacional de Colombia: 30,000 vols.; Librarian LUCÍA BELMONTE.

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Biblioteca "Luis-Angel Arango" del Banco de la República (*Bank of the Republic Library*): Calle 11 No. 4-14; f. 1932; Dir. JAIME DUARTE FRENCH; 100,000 vols., 200 MSS.

Biblioteca Nacional (*National Library*): Calle 24, No. 5-60, Apdo. 2525; f. 1939; 200,000 vols.; 500 MSS.; Dir. Dr. ALBERTO MIRAMÓN.

Bello

Biblioteca del Marco Fidel Suárez: public library and regional centre.

Medellín

Biblioteca de la Universidad Pontificia Bolivariana: Ap. Nal. 109; Ap. Aéreo 1178; 36,000 vols.

Biblioteca Pública: brought into being by UNESCO, now independent; library extension work; 1 br.

Popayán

Biblioteca "Guillermo Valencia": 20,000 vols.

Tunja

Biblioteca del Centro de Historia (*Library of the Historical Association*): 10,000 vols.

MUSEUMS

Bogotá

Museo Nacional (*National Museum*): Carrera 7a No. 28-66; f. 1824; history and art relating to the foundation of Bogotá, Spanish conquest and colonial period; collections of portraits, arms, banners, medals and coins; fine arts section. The museum also possesses a theatre and an exhibition gallery. Dir. TERESA CUERVO BORDA.

Museo Arqueológico y Etnográfico Nacional (*National Archaeological and Ethnographical Museum*): Apdo. Nacional 407; f. 1938; ceramics, stone carvings, gold objects, textiles, etc., from all districts of Colombia; is a Department of the Instituto Colombiano de Antropólogia; Dir. Dr. LUIS DUQUE GÓMEZ.

Museo de Arte Colonial (*Museum of the Colonial Period*): Carrera 6a, No. 9-77; f. 1942; controlled by the Ministry of Education; paintings, sculpture, furniture, gold and silver work, drawings, etc., of the Spanish colonial period (16th, 17th, and 18th centuries); it is installed in a building erected by the Jesuits in 1602; Dir. LUIS ALBERTO ACUÑA.

Museo del Oro (*Gold Museum*): Banco de la República; f. 1939; 8,000 Colombian and pre-Colombian gold objects representing the gods, myths, and customs of the Quimbaya, Chibcha and other native Indian cultures; these collections are considered unique in the world; Founders JULIO CARO and LUIS-ANGEL ARANGO; Dir LUIS BARRIGA DEL DIESTRO; publs. *El Museo del Oro, Orfebrería Pre-hispánica de Colombia.*

Quinta de Bolívar or **Museo Bolivariano** (*Bolívar Museum*): f. 1922 in the country house occupied by Simón Bolívar in 1827, where relics of the Liberator and his epoch are exhibited; is administered by the Sociedad de Mejoras y Ornato de la Ciudad de Bogotá.

Medellín

Museo de Ciencias Naturales del Colegio de San José (*Natural Science Museum*): San José College.

PUBLIC UNIVERSITIES

UNIVERSIDAD DE ANTIOQUIA

APARTADO POSTAL 229, MEDELLÍN

Telephone: 169-63

Telegraphic Address: Uniantioquia

Founded 1822

Rector: Dr. JAIME SANIN ECHEVERRI.

Secretary-General: CARLOS BARRERA DELGADO.

Librarian: JOSÉ I. GONZÁLEZ.

Number of teachers: 570.

Number of students: 4,467.

Publications: *Universidad de Antioquia, Estudios de Derecho, Antioquia Médica, Inginiería Química, Boletín de Programas de la Emisora, Boletín del Instituto de Antropología, Ciencias Económicas, Revista Odontológica.*

DEANS:

Faculty of Law: JAIRO DUQUE PÉREZ.

Faculty of Medicine: Dr. ORIOL ARANGO MEJÍA.

Faculty of Odontology: Dr. ALBERTO ARANGO RESTREPO.

Faculty of Economics: Dr. JORGE RODRIGUEZ ARBELAEZ.

Faculty of Chemical Engineering: Dr. HERNÁN GÓMEZ GONZÁLEZ.

Faculty of Chemical Pharmacy: Dr. DARIO URIBE GAVIRIA.

Faculty of Education: Dr. MIGUEL ROBERTO TELLEZ.

UNIVERSIDAD DEL ATLÁNTICO

CARRERA 43, No. 50-53,

APARTADO AÉREO 1890, BARANQUILLA

Telephone: 13-513

Founded 1941

Rector: Dr. ELBERTO GONZÁLEZ-RUBIO.

Secretary-General: Dr. CARLIN NIETO CARROLL.

Librarian: JOSEFINA JIMÉNEZ.

Number of teachers: 140.

Number of students: 957.

Publication: *"Studia" Revista de la Universidad.*

DEANS:

Faculty of Economics: JOSÉ A. MEDINA.

Faculty of Pharmacy and Chemistry: Dr. VICTOR NASSAR.

Faculty of Law and Political Science: Dr. MIGUEL BOLÍVAR.

Faculty of Chemical Engineering: Dr. ERNESTO CORTISSOZ.

Faculty of Architecture: Dr. ADOLFO FALQUEZ.

PROFESSORS:

Faculty of Economics:

ARELLANA, DANILO (Accountancy).
FUENTES, OSCAR (Accountancy).
LLINAS, FERNANDO (Monetary Economics).
MEDINA, NICOLÁS (Econometrics).
SANTIAGO, CÉSAR (Mathematics and Statistics).
ZAPATA, CESÁR (Accountancy).

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Faculty of Pharmacy and Chemistry:
CARRILLO, FERNANDO (Bromatology).
CRISSIEN, CARLOS (Pharmaceutical Chemistry).
DAZA, JAIME (Organic Chemistry).
ESCOLAR, EDUARDO (General Chemistry and Physical Chemistry).
STEVENSON, JOSÉ (Mathematics and Physcis).

Faculty of Law and Political Science:
No full professors.

Faculty of Chemical Engineering:
ALEMÁN, MARIO (Organic Chemistry, Petroleum Analysis).
ARRÁZOLA, IGNACIO (Inorganic Chemistry).
CIFUENTES, JORGE (Physics).
DE FEX, RAFAEL (Physical Chemistry).
DE LA HOZ, LUIS (Units Operations—Algebra).
ESCOLAR, EDUARDO.
MINA, ADRIANO (Organic Qualitative Chemistry, Differential Equations).

Faculty of Architecture:
CARREÑO, MARCO T. (Physics, Algebra Analysis, Mathematical Analysis).
GHIARDO, RAÚL (Construction).
SUÁREZ, WALTER (Descriptive Geometry).

AFFILIATED ORGANISATIONS:

Institute of Economic Research.
Director: Dr. JOSÉ A. MEDINA.

School of Music.
Director: Prof. PEDRO BIAVA.

School of Painting.
Director: ALEJANDRO OBREGON.

Institute of Scientific Research.
Director: Dr. ARMANDO DUGAND G.

UNIVERSIDAD DE CALDAS

MANIZALES

Telephone: 32-51 to 32-56

Telegraphic address: Universidad de Caldas

Founded 1950

Rector: Dr. RAFAEL MARULANDA VILLEGAS.
Secretary-General: ARTURO JARAMILLO.
Librarian: GLORIA ESTRADA ROBLEDO.

The library contains 7,000 vols.
Number of teachers: 170.
Number of students: 1,044.

DEANS:

Faculty of Philosophy and Letters: Lic. JULIO C. MORALES.
Faculty of Law: Dr. CESAR GÓMEZ ESTRADA.
Faculty of Agronomy: Dr. GONZALO SANINT MEJÍA.
Faculty of Veterinary Science: DIEGO VILLEGAS T.

Department of Fine Arts.
Director: GABRIEL JARAMILLO ARANGO.

Department of Languages.
Director: Prof. ANTONIO CARDONA LONDOÑO.

UNIVERSIDAD DE CARTAGENA

APARTADO POSTAL 195, CARTAGENA

Founded 1827

Rector: Dr. ELÍAS RAMÓN MACÍA.
Secretary-General: Dr. ALCIDES ANGULO PASOS.
Librarian: FANNY PELÁEZ.

The library contains 20,000 vols.

DEANS:

Faculty of Law: Dr. EFRAIM ALDANA.
Faculty of Medicine: JUAN BURGOS ARTEAGA.
Faculty of Engineering: ALBERTO VILLEGAS.
Faculty of Chemistry and Pharmacy: GERMÁN COVO TONO.
Faculty of Odontology: Dr. VICENTE M. FORTICH.
Faculty of Economics: GUMERSINDE SERJE.
School of Nursing: MATILDE VILLEGAS CANO.

HEADS OF DEPARTMENTS:

Humanities: Dr. ROBERTO BURGOS OJEDA.
Mathematics: ALVARO RUEDA.
Physics: JOSUÉ MUÑÓZ.
Physiology: ROBERTO LLAMAS MENDOZA.
Morphology: Dr. FRANCISCO HAYDAR.
Chemistry: ALBERTO PUENTE.
Preventive Medicine: Dr. ABEL DUEÑAS PADRÓN.

UNIVERSIDAD DEL CAUCA

POPAYÁN

Founded 1827

Rector: Dr. MIGUEL ANGEL ZUÑIGA.
Secretary-General: ARY JOSÉ LUNA.
Librarian: FABIO RESTREPO.

Number of teachers: 141.
Number of students: 1,540.

Publications: *Universidad del Cauca, Popayán, Novedades Colombianas.*

DEANS:

Faculty of Law and Political Sciences: Dr. JORGE ILLERA FERNÁNDEZ.
Faculty of Civil Engineering: Ing. A. GÓMEZ MUÑOZ.
Faculty of Medicine: Dr. GUSTAVO FERNÁNDEZ.
Faculty of Electronic Engineering: Dr. BORIS IGNACIO PLAZAS.

SCHOOLS AND INSTITUTES:

Conservatorio de Música.
Director: Prof. WOLFGANG SCHNEIDER.

Archivo Central del Cauca.
Director: JOSÉ M. ARBOLEDA.

School of Arts and Crafts.
Director: SILVIO CABRERA.

Colonial Art Museum.
Director: Sra. CARMENZA ARAGÓN B.

Natural History Museum.
Director: CARLOS LEHMMAN.

UNIVERSIDAD NACIONAL DE COLOMBIA
(National University of Colombia)

BOGOTÁ

Telephone: 442768

Founded 1573.

Rector: Dr. ARTURO RAMÍREZ MONTÚFAR.
Academic Secretary: Dr. JORGE ELIÉCER RUIZ.
Registrar: Dr. JOSÉ M. DE GUZMÁN.

DEANS:

Faculty of Agriculture: Dr. JOSÉ PABLO LEYVA.
Faculty of Architecture: Arq. ARTURO ROBLEDO OCAMPO.
Faculty of Economics: Dr. EDUARDO SUAREZ GLASSER.
Faculty of Law and Political Sciences: Dr. HERNANDO MORALES.
Faculty of Pharmacy: Dr. EDUARDO CALDERÓN GÓMEZ.
Faculty of Philosophy and Letters: Dr. RAFAEL CARILLO LÚQUEZ.
Faculty of Education: Dr. RAFAEL BERNAL JIMÉNEZ.
Faculty of Civil Engineering: Ing. HERNANDO CORREAL.
Faculty of Mathematics: Dr. ARTURO RAMÍREZ MONTÚFAR.
Faculty of Medicine: Dr. RAÚL PAREDES MANRIQUE.
Faculty of Veterinary Science: Dr. ERNESTO WILLS.

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Faculty of Odontology: Dr. Luis Eduardo Argüello.
Faculty of Chemical Engineering: Dr. Sven Zethelius.
Faculty of Psychology: Dr. Jorge Giraldo Angel.
Faculty of Sociology: Dr. Orlando Fals Borda.
Faculty of Agriculture and Forestry Institute (Medellin): Dr. Carlos Garcés Orejuel.
Faculty of Architecture (Medellín): Arq. Fabio Ramírez Arango.
Faculty of Agriculture (Palmira): Dr. Efrén Cabal Martínez.
Faculty of Engineering (Manizales): Dr. Dr. Jorge Manrique Londoño.
Faculty of Nursing: Enf. Aminta Navas Uribe.

PROFESSORS:

Faculty of Medicine:

Aguilera, Alvaro
Barragán, Jesús María.
Beltrán, Raúl
Bernet, Jorge Eduardo
Caceres, Eduardo
Cadena, Dario
Caro, Alvaro
Casasbuenas, Jaime
Casas M., Rafael
Cediel, Ricardo
Cortes Mendoza, Eduardo
Covelli, Hugo
Cuervo T., Carlos
De Francisco, Adolfo
Del Portillo, Hernando
Duque, Marcos
Fajardo, Luis Felipe
Flores, Toribio
Forero Nougues, Luis
Galindo, Januario
Guerrero, Roberto
Lichtemberger, Egon
Méndez, Alfonso
Mendoza, César
Millan Rodríguez, Francisco
Montaña, Luis David
Mora, Rubio José
Osorno Mesa, Ernesto
Paredes, Raúl
Patiño, José Fèlix
Posada Sarmiento, Emilio
Restrepo, Guillermo
Ronderos, Alvaro
Sánchez, Claudio
Sánchez, Manuel
Soriano Lleras, Andrés
Triana C., Santiago
Velasco, Alvaro
Villareal, Jorge
Yunis Turbay, José

Faculty of Odontology:

Cadena, Dario
De Kulnis, Bárbara
Sánchez, Claudio
Torres Pinzón, Rafael

Faculty of Veterinary Medicine and Zootechnics:

Albornoz, Jorge E.
Arenas Bonilla, Jaime
Bacca, Carlos Arturo
Belalcazar, Carlos E.
Diáz Garay, German
D'Orsonville, Mario
Fandiño, Carlos Julio
Gonzalez Quintana, Rafael
Henao Saenz, Pablo
Luque Forero, Gonzalo
Pacheco Pérez, Daniel
Reverend, José A.
Sandino, Ricardo
Segura, Augusto

Faculty of Economics:

Cabrerizo, Eduardo
Cardenas, Garcia Jorge
Daza Roa, Alvaro
Gonzalez Santos, Jaime
Sarmiento, Luis
Von Gleich, Albert

Faculty of Psychology:
Number of Professors; 3.

Faculty of Sociology:
Number of Professors; 4.

Faculty of Architecture:

Chica Pinzón, Humberto
Mayo Caicedo, Camilo
Neira Martínez, Alons

Faculty of Pharmacy:

Clemens, Hayoz
Gaviria, Luis E.
Ospina, Melo Mario
Otalora, Rojas Antonio
Rodríguez, Alfonso
Theikuhl, Juan F.

Faculty of Philosophy and Letters:

Bergman, Antonio
Carillo, Rafael (*Dean*)
De Nuñez, Gerda
Hernández, Hernán
Jaramillo, Jaime
Mora Rubio, Mary
Rochester, Howard
Velez Sáenz, Jaime

Faculty of Law:

Arenas, Antonio Vicente
Betancourt, Rey Miguel
Morales, Dr. Hernando (*Dean*)

Faculty of Engineering:

Arias de Grieff, Jorge
Aycardi, Luis Guillermo
Bernal, German
Bomhard, Marijan
Castillo, Guillermo
Correal, Hernando
Diáz S., Guillermo
Garavito, Santiago
González B., Alvaro
Guzmán, Abdías
Herkrart, Juan
Isaza, Jaime
Jiménez, Gonzalo
Kerpel, Enrique
López, Jaime
Lutz, Martín
Morales A., Octavio
Neira, Hernando
Obregón, Ernesto
Rocha, Julio Roberto
Rodríguez, Jaime
Rodríguez F., Carlos
Sánchez, Jorge Alvaro
Sandino, Alejandro
Soma, Shinzam
Tellez, Carlos

Faculty of Education:
Number of Professors; 3.

Department of Humanities:
Number of Professors; 10.

Faculty of Chemical Engineering.
Number of teachers: 27.

Faculty of Nursing.
Number of professors: 18.

AFFILIATED FACULTIES:

Faculty of Agriculture and Forestry Institute, Medellín.
Number of teachers: 26.

Faculty of Agriculture, Palmira.
Number of teachers: 26.

Faculty of Architecture, Medellín.
Number of teachers: 13.

Faculty of Civil Engineering, Manizales.
Number of teachers: 21.

Faculty of Mining, Medellín.
Number of teachers: 20.

AFFILIATED ORGANISATIONS:

National Conservatory of Music, Bogotá.
Director: Fabio González Zuleta.

School of Fine Arts, Bogotá.
Director: Dr. Eugenio Barney Cabrera.

School of Public Health.
Director: Dr. Santiago Rengifo S.

Institute of Natural Sciences, Bogotá.
Number of teachers: 7.

Institute of Labour Legislation, Bogotá.
Director: Dr. Crotatas Londoño.
Number of teachers: 7.

Institute of Penology, Bogotá.
Director: Dr. Jorge E. Gutiérrez.
Number of teachers: 12.

Radium Institute.
Director: Dr. César Pantoja.

Observatorio Astronómico.
Director: Dr. Jorge Arias de Grieff.

UNIVERSIDAD DISTRITAL
("Francisco José de Caldas")

CARRERA 8, No. 40-78, BOGOTÁ

Rector: Dr. Manuel Orozco Castañeda.
Secretary-General: Dr. Armando Castañeda V.
Librarian: Luis Manrique.

Number of vols. in library 1,500.
Number of students: 700.

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DEANS:

Faculty of Electronic Engineering: MANUEL DREZNER.
Faculty of Forestry Engineering: ALFRED KOTSCHWAR.

SCHOOLS AND INSTITUTES:

Dibujo Lineal, Topográfico y Cartográfico (*Linear, Topographical and Map Drawing*).
Director: ALFRED KOTSCHWAR.

Forestry Experts.
Director: ALFRED KOTSCHWAR.

Cadastral Topography.
Director: ALFRED KOTSCHWAR.

Forestry Technical School.
Director: HIPÓLITO CAMARGO.

UNIVERSIDAD PEDAGÓGICA NACIONAL FEMENINA

(National Pedagogical University for Women)

CALLE 72, No. 11-60, BOGOTÁ

Founded 1951

Rector: Lic. IRENE JARA DE SOLÓRZANO.
Secretary-General: CARMEN PARRA FLÓREZ.
Librarian: LEONOR RODRÍGUEZ DE RODRÍGUEZ.

DEANS:

Faculty of Philology and Languages: Dr. JOSÉ DARÍO ABREU J.
Faculty of Psychology and Education: BEATRIZ ARBOLEDA DE VALENCIA.
Faculty of Biology and Chemistry: MARINA RUEDA DE NORIAGA.
Faculty of Social Science and Economics: Dr. LEONARDO PÉREZ CASTILLO.
Faculty of Physics and Mathematics: Dr. ARTURO CAMARGO CASTRO.

UNIVERSIDAD INDUSTRIAL DE SANTANDER

(Industrial University of Santander)

APARTADO AÉREO 678, BUCARAMANGA.

Telephone: 3141

Telegraphic Address: Universidad, Bucaramanga

Founded 1948

Rector: Dr. JUAN F. VILLAREAL.
Secretary-General: Ing. RAÚL GONZÁLEZ ALONSO.
Librarian: HERNÁN VERA.

Number of teachers: 85.
Number of students: 1,147.

Publications: *Revista de la Universidad Industrial de Santander, Boletín de Geología, Boletín Informativo de la U.I.S.*

DEANS:

Faculty of Chemical Engineering: Ing. ALVARO BARRERA RUEDA.
Faculty of Mechanical Engineering: Ing. CIRO VILLABONA GRANADOS.
Faculty of Electrical Engineering: Ing. JUAN LUIS FAURA.
Faculty of Metallurgical Engineering: Ing. CIRO DUARTE PACHECO.
Faculty of Oil Engineering: Ing. PEDRO FERNÁNDEZ OROZCO.
Faculty of Industrial Engineering: Ing. HÉCTOR PRADA SALAS.

DIRECTOR:

Department of Mathematics and Physics: Ing. JOSÉ ALVAREZ CERÓN.

Division of Scientific Research.
Head: Dr. JUAN RAMÍREZ MUÑOZ.

The Division comprises the following sections:

Institute of Pure and Applied Research.
Dir. Dr. JUAN RAMÍREZ-MUÑOZ.

Institute of Industrial Consultation.
Dir. Ing. WILFRIDO MONTAGUT.

Institute of Colombian Standards.
Dir. Ing. FERNANDO MEJÍA VALENZUELA.

General Library.
Dir. HERNÁN VERA.

Department of Scientific Publications and Exchange.
Dir. J. R. ALAMILLA.

Centre of Documentation and Information.
Dir. Mrs. CLARE DE SILVA.

PROFESSORS:

ALVAREZ CERÓN, JOSÉ (Mathematics, Statistics).
ALVAREZ CERÓN, JULIO (Industrial Organisation, Ferrous Metals).
BARRERA LARRARTE, ALVARO (Unit Operations).
DUARTE PACHECÓ, CIRO (Non-Ferrous Metallurgy).
FERNÁNDEZ, PEDRO (Refining, Natural Gas).
GARCIA ARENAS, JAIME (Quantitative Chemical Analysis).
JULIVERT, MANÚEL (Geology).
LOBO CARVAJALINO, LUIS (Thermodynamics).
MAMITZA, FREDERICO (Mathematics).
MEJÍA VALENZUELA, FERNANDO (Fluid Mechanics).
PRADILLA SORZANO, JAIME (Physical Chemistry).
RAMÍREZ-MUÑOZ, JUAN (Petroleum Reservoir Engineering).
RUIZ PALACIO, JAIRO (Engineering and Building).
SPACHOVSKY, WILHELM (Electrical Machinery).

UNIVERSIDAD DE NARIÑO

PASTO, NARIÑO

Telephone: 16-53, 16-62

Telegraphic Address: Unariño

Founded in 1827 as Colegio Provincial by General Francisco de Paula Santander; later named Colegio Académico. By Decree No. 49 dated 1904, the foundation was raised to the status of a university with the present name.

Rector: LUIS SANTANDER B.
Secretary-General: ALFREDO VERDUGO VILLOTA.
Librarian: Lic. LUIS E. ACOSTA HOYOS.

The library contains 4,000 vols.
Number of teachers: 105.
Number of students: 1,674.

Publications: *Anales de la Universidad de Nariño.*

The Governing Council is composed of the Director of Education, the Rector, the Dean of the Faculty of Law and representatives of the teaching staff and the students.

SCHOOLS AND INSTITUTES:

Institute of Technical Agriculture.
Director: Dr. LUIS EDUARDO MORA OSEJO.

Law School.
Dean: Dr. EDGAR PUERTAS ROJAS.

School of Music.
Director: GONZALO ROJAS.

School of Painting.
Director: Dr. ARNULFO GUERRERO R.

UNIVERSIDAD DEL TOLIMA

APDO. AÉREO No. 546, IBAGUÉ

Telephone: 32544

Founded 1954

Rector: Dr. NESTOR HERNANDO PARRA.
Secretary-General: LUIS HERNANDO RODRÍGUEZ.
Librarian: ORLANDO ARBOLEDA.

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Number of teachers: 72 (17 part-time).
Number of students: 550 full-time, 335 part-time.

DEANS:

Faculty of Agronomic Engineering: Ing. Agr. JAIME PARRA ARCE.
Faculty of Forestry Engineering: Ing. For. JOSÉ HIPÓLITO CAMARGO.
Faculty of Veterinary Medicine and Zootechnics: Dr. BERNARDINO RODRÍGUEZ URREA.
Faculty of Sciences and Arts: Ing. Civ. EDGAR PERILLA.

Higher Polytechnic Institute.
Director: Ing. Civil RICARDO GAMBOA.

UNIVERSIDAD DEL VALLE

APARTADOS: AÉREO 2188, Nal. 439
CALI-COLOMBIA

Founded 1945

Rector: Dr. MARIO CARVAJAL.
Secretary-General: Dr. OSCAR GERARDO RAMOS.

The library contains 17,593 vols.
Number of professors: 431.
Number of students: 1,450.

DEANS:

Faculty of Architecture: Dr. JAIME CRUZ.
Faculty of Chemical Engineering: Dr. ANGEL ZAPATA.
Faculty of Electromechanical Engineering: Dr. ALBERTO GHITIS.
Faculty of Medicine: GABRIEL VELÁZQUEZ.
Faculty of Economics: Dr. ANACLETO APODACA.
Faculty of Sanitary Engineering: Dr. LUCIANO PEÑA.
Faculty of Humanities and Education: Dr. OSCAR GERARDO RAMOS.
Dean of Students: Dr. TULIO RAMÍREZ.
Dean of Studies: Dr. ALFONSO OCAMPO.
School of Nursing: INÉS VIVEROS (*Director*).

UNIVERSIDAD PEDAGÓGICA Y TECNOLÓGICA DE COLOMBIA

(Pedagogical and Technological University of Colombia)

TRUNJA, BOYACA

Telephone: 21-74

Founded 1953

Rector: Dr. RAFAEL AZULA BARRERA.
Secretary-General: Dr. BOSSUET GÓMEZ FERNÁNDEZ.
Head Librarian: FERNANDO RODRÍGUEZ PINZON.

Number of teachers: 60.
Number of students: 2,737.

DEANS:

Faculty of Education: Dr. ULISES ROJAS.
(Comprising five Departments):
Department of Education and Philosophy.
Head: Lic. VALENTIN VANARCKEN.
Department of Social Science and Economics.
Head: Lic. JOSÉ AUGUSTIN BLANCO.
Department of Philology and Languages.
Head: Dr. JESÚS OBANDO MARTÍN.
Department of Biology and Chemistry.
Head: Dr. JOSÉ GABRIEL GARCÍA.
Department of Mathematics and Physics.
Head: Lic. HERNANDO MESA NUNCIRA.
Faculty of Agriculture: Dr. JORGE CASTRO.
Institute of Higher Technology: Dr. JESUS ERNESTO GARCÍA BRICEÑO.
Institute of Scientific Research: Dr. JOSÉ ESTILIANO ACOSTA.

INSTITUTES AND SCHOOLS:

(Dependencies of the University)

Teachers' Training College for Men, Varones.
Director: Dr. SAMUEL CAMARGO URIBE.

Teachers' Training College for Women, Varones.
Director: Lic. EMMA ROSA DE OSPINA.

Technical Teachers' Training College, Duitama.
Director: Capitan DEMETRIO SALAMANCA.

Agricultural Teachers' Training College, Paipa.
Director: Dr. JORGE DE ANTONIO.

Rural Vocational Training School.
Director: Dr. JORGE DE ANTONIO.

Institute of Anthropology snf History, Sogamoso.
Director: Dr. ELIÉCER SILVA CELIS.

Institute of Studies of Indigenous Tribes, Sogamoso.
Director: Dr. ELIÉCER SILVA CELIS.

UNIVERSIDAD TECNOLÓGICA DE PEREIRA

(Pereira Technological University)

CARRERA 13, No. 18-56, APARTADO AÉREO 97, PEREIRA

Founded 1960

Rector: Dr. JORGE ROA MARTÍNEZ.
Secretary: Dr. ARMANDO ESCOBAR MUÑOZ.
Dean of Studies: Dr. MANUEL CHAPARRO B.
Librarian: Lic. HARVEY DELGADO GÓMEZ.

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PRIVATE UNIVERSITIES

FUNDACIÓN UNIVERSIDAD DE AMERICA

CALLE 10, No. 6-44, CASA DE LOS DERECHOS, BOGOTÁ

Founded 1952

Rector: Dr. JAIME POSADA.
Secretary-General: Dr. IGNACIO TAVERA PLATA.
Librarian: BLANCA CALVO.

DEANS:

Faculty of Economics: PEDRO GÓMEZ VALDERRAMA.
Faculty of Architecture: Arq. GABRIEL ANDRADE LLERAS.
Faculty of Engineering: Ing. LUIS ESCOBAR GARCÍA.

DEPARTMENTS:

Department of Mechanical Engineering.
Director: Dr. JOSÉ LUIS ALVA.

Department of Petroleum Engineering.
Director: Dr. LUIS MENDOZA NATES.

Department of Chemical Engineering.
Director: Dr. JORGE BONILLA.

SCHOOLS:

School of Topography.
Director: Dr. JELÍ MORENO OTERO.

School of Journalism and Publicity.
Director: Dr. RICARDO ORTIZ MCCORMICK.

School of Architectural Draughtsmanship.
Director: ALICIA LOZANO.

UNIVERSIDAD LIBRE SECCIONAL DEL ATLÁNTICO

(The Free Sectional Atlantic University)

CARRERA 46, No. 64-53, BARANQUILLA

Founded 1956

Dean: Dr. JULIO SALGADO VÁSQUEZ.
Secretary: NELLIT ABUCHAIBE.

DEAN:

Faculty of Law: Dr. JULIO SALGADO VÁSQUEZ.

Dependency of the Universidad Libre of Bogotá.

FUNDACIÓN UNIVERSIDAD DE BOGOTÁ

"Jorge Tadeo Lozano"

CARRERA 7 No. 23-08, BOGOTÁ.

Telephone: 43 53 89, 34 14 83.
Telegraphic Address: Unibogotá.

Founded 1954

Rector: Dr. FABIO LOZANO Y LOZANO.
Director of Public Relations and Secretary-General: Dr. Prof. JOAQUÍN MOLANO CAMPUZANO.
Librarian: JUAN PABLO RODRÍGUEZ.

Number of teachers: 150.
Number of students: 1,200.
Publication: *Hechos y Noticias* (monthly).

DEANS:

Faculty of Economic Sciences: DELIO JARAMILLO ARBELÁEZ.
Faculty of Natural Resources: CARLOS LLERAS DE LA FUENTE.
Faculty of Geography: JOSÉ IGNACIO RUIZ.
Faculty of Marine Science: LUIS ORTIZ BORDA.
Faculty of Accountancy: CARLOS BARBOSA ROCA.

UNIVERSIDAD PONTIFICIA BOLIVARIANA

APDO. NACIONAL 109, MEDELLÍN

Founded 1936

Rector Magnífico: Mons. FÉLIX HENAO BOTERO.
Secretary-General: Dr. DARÍO PIEDRAHITA A.

Library: *see* Libraries.
Number of teachers: 430.
Number of students: *c.* 4,500.
Publications: *Revista Universidad Pontificia Bolivariana, Revista de la Facultad de Derecho de la Universidad Pontificia Bolivariana, Revista de la Facultad de Filosofia y Letras.*

In addition to the following faculties for men, there is a Women's Faculty of Art and Decoration, attached to the Colegio del Sagrado Corazón.

DEANS:

Faculty of Philosophy and Letters: Rev. Mother TERESA MEDINA, O.D.N.
Faculty of Education: Rev. Mother TERESA MEDINA, O.D.N.
Faculty of Art: Rev. Mother M. DÁVILA, R.S.C.J.
Faculty of Humanities: Rev. Mother M. DÁVILA, R.S.C.J.
Faculty of Law and Political Science: Dr. CARLOS ARANGO HOYOS.
Faculty of Social Sciences: Dr. CARLOS ARANGO HOYOS.
Faculty of Chemistry: Dr. GUILLERMO MAYA ARANGO.
Faculty of Architecture and Town Planning: Dr. HERNANDO BOTERO MÉNDEZ.
Faculty of Electrical Engineering: Dr. ALBERTO PIEDRAHITA.
Faculty of Mechanical Engineering: Dr. GUSTAVO PATIÑO.
Faculty of Social Service: LUISA ARGUINZÓNIZ.
Baccalaureate Course: R.P. JAVIER PIEDRAHITA ECHEVERRI

DIRECTORS:

Medellín Preparatory Course: R.P. JOSÉ PIEDRAHITA.
American Preparatory Course: FABIO VALENCIA R.
Commercial School: Dr. CARLOS BETANCUR ARIAS.
Workers' Night Classes: Dr. LUIS JAVIER DUQUE.

UNIVERSIDAD EXTERNADO DE COLOMBIA

CARRERA 16, No. 24-45, BOGOTÁ

Telephone: 415181

Founded 1886

Rector: Dr. RICARDO HINESTROSA DAZA.
Secretary-General: Dr. MANUEL CUBIDES ROMERO.
Librarian: IRMA RAMÍREZ.

Number of professors: 6.
Number of students: 500.
Publication: *Revista de la Facultad de Derecho.*

DEAN:

Faculty of Law and Political Sciences: Dr. RICARDO HINESTROSA DAZA.

UNIVERSIDAD DE LA GRAN COLOMBIA

CARRERA 6, No. 13-92, BOGOTÁ

Founded 1951

Rector: Dr. MARIO FRANCO RUIZ.
Secretary-General: Dr. EMIGDIO RINCÓN GÓMEZ.

DEANS:

Faculty of Law: Dr. ALEJANDRO CÓRDOBA MEDINA.
Faculty of Architecture: Dr. HENRY SCIOVILLE SAMPER.
Faculty of Economics: Dr. JOSÉ HERNÁN GÓMEZ OCAMPO.
Faculty of Civil Engineering: Dr. VICENTE URIBE URIBE.

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PONTIFICIA UNIVERSIDAD JAVERIANA

CARRERA 7A, No. 40-62,
APARTADO POSTAL 445,
AÉREO 5315, BOGOTÁ.
Telephone: 455024, 458981

Founded 1622 by the Jesuit Fathers; re-established 1931 and raised to the status of a Pontifical University 1937.

Grand Chancellor: R.P. Juan B. Janssens, S.J.
Vice-Grand Chancellor: R.P. Eduardo Briceño, S.J.
Rector: R.P. Jesús Emilio Ramirez, S.J.
Secretary-General: Dr. Luis Fernando Gutierrez.
Registrar: Jaime Marulanda Uribe.
Librarian: Ernesto Delgado Aquirre.

Library: *see* Libraries.
The library contains 50,000 volumes.
Number of teachers: 802.
Number of students: 7,123.

Publications: *Ecclesiastica Xaveriana, Universitas, Cuadernillos de Arte, Hoy en la Javeriana.*

Deans of Ecclesiastical Faculties:

Faculty of Theology: R.P. Fernando Velásquez, S.J.
Faculty of Philosophy: R.P. Jaime Vélez, S.J.
Faculty of Canon Law: R.P. Jaime Bernal, S.J.

Deans of Civil Faculties:

Faculty of Economics and Law: R.P. Gabriel Giraldo, S.J. and Dr. Guillermo Ospina Fernández.
Faculty of Medicine: Dr. Bernardo Moreno.
Faculty of Odontology: Dr. Alvaro Delgado Morales.
Faculty of Philosophy, Letters, and Pedagogy: R.P. Augusto Ordoñez, S.J.
Faculty of Engineering: Dr. Argelino Durán.
Faculty of Architecture: Dr. Carlos Arbeláez C.
Faculty of Electronic Engineering: Dr. W. Westphal.
Faculty of Social Sciences: Cecilia Valdiri.

Professors:

Faculty of Theology:
Andrade, Vicente, S.J. (Pastoral Theology, Sociology).
Arenas, Alberto, S.J. (Dogma).
Bravo, Carlos, S.J. (Scripture, Hebrew, Biblical Greek).
Eguren, Juan Antonio, S.J. (Moral Theology).
Giraldo, Gabriel, S.J. (Ecclesiastical History).
González, Guillermo, S.J. (Fundamental Theology).
Ospina, Eduardo, S.J. (Christian Archæology).
Ramirez, Luis Carlos, S.J. (Dogma).
Ruggeri, Ignácio, S.J. (Dogma).
Sicard, Ignacio, S.J. (Moral Theology, Canon Law).
Velásquez, Fernando, S.J. (Dogma).
Zuluaga, Efraim, S.J. (Dogma).

Faculty of Philosophy:
Andrade, Vicente, S.J. (Sociology).
González, Gustavo, S.J. (Introduction to Philosophy, Logic).
Mankelunas, Mateo, Pbro. (Philosophy of Sciences).
Noriega Rueda, Jorge, S.J. (Ontology).
Uribe, Lorenzo, S.J. (Rational Psychology, Cosmology, Biology).
Vélez, Jaime, S.J. (Contemporary Philosophy).

Faculty of Canon Law:
Arboleda, José Rafael, S.J. (Sociology).
Noguera, Laborde Rodrigo (Philosophy of Law).
Restrepo, Liborio, S.J. (Methodology).
Rivera Concha, Alvaro (Modern Colombian Ecclesiastical Law).
Uprimny, Leopoldo (School Texts).
Wilches, Félix M., O.F.M. (Canonical Writings).
Yepes, Jesus Maria (International Law).

Faculty of Economics and Law:
Albán Holguín, Carlos (Political Economy).
Ancizar Sordo, Enrique (Colombian Economy).
Angel de la Torre, Alfonso (Tax Legislation).
Barragán Cardenas, Alfonso (Civil Law).
Benavides Patrón, Juan (Procedure—Labour Law).
Córdoba Mariño, Luis (Constitutional Law).
Echeverri, Angel Carlos (Commercial Law).
Escallón Vargas, Ernesto (Civil Law).
Esguerra Samper, José María (Procedural Law).
Gómez, José J. (Civil Law).
Gómez Pradilla, Juan Pablo (Civil Law).
Gutiérrez Anzola, Jorge E. (Penal Law).
Hoyos Arango, Samuel (International Commerce).
Martinez Zuñiga, Lisandro (Criminology).
Noguera Laborde, Rodrigo (Civil Law).
Ortega Nieto, Leonelo (Political Economy).
Ospina Fernández, Guillermo (Civil Law).
Pinzón M., José Gabino (Commercial Law).
Rodríguez, José Joaquín (Procedural Law).
Salazar Salazar, Mario (Statistics).
Uprimny, Leopoldo (Constitutional Law).
Uribe Cualla, Guillermo (Forensic Medicine).
Wilches, Félix, O.F.M. (Roman Law).
Yépes, Jesús María (Public International Law, Diplomatic History).

Faculty of Medicine:
Anzola, Jorge (Physiology).
Anzola Cubides, Hernando (Surgery).
Aparicio, Arturo (Gynæcology).
Atalaya, Ramón (Clinical Semeiology).
Barrientos, Rafael (Anatomy).
Botero Marulanda, Enrique (Orthopædics, Traumatology).
Calderón, Belisario (Obstetrics).
Consuegra, Juan (Clinical Medicine, Tropical Diseases).
Correa, Humberto H. (Clinical Gynæcology).
Dávila, Enrique (Urology).
Díaz Guerrero, Jorge (Clinical Ophthalmology).
Domenico, Juan D. (Technique of Surgery).
Fajardo Pinzón, Alvaro (Clinical Neurology).
Fischer, Guillermo (General Pathology).
Forero Vélez, Ricardo (Obstetrics).
Gaitán Yanguas, Mario (Cancerology).
Garcia, Carlos (Parasitology).
Gómez Salazar, Jaime (Biochemistry).
Gómez Villegas, César (Bacteriology).
González Torres, Luis (Oto-Rhino-Laryngology).
Groot, Hernando (Parasitology, Pathology and Tropical Diseases).
Iriarte Rocha, Eduardo (Clinical Pædiatrics).
Leyva, José Pablo (Surgery).
Márquez Villegas, Carlos (Anatomy).
Medina Pinzón, Alberto (Clinical Dermatology).
Mendoza, César (Genetics).
Negret Lopez, Mario (Clinical Surgery).
Ortega, Gabriel (Pathological Anatomy).
Osorno Mesa, Ernesto (Entomology).
Piñeros y Piñeros, Victor J. (Syphilology).
Rentería Mallarino, Gregorio (Medical Physics).
Sanchez, Linz Jaime (Psychiatry).
Uribe Cualla, Guillermo (Forensic Medicine).
Uribe Uribe, Alfonso (Clinical Medicine, Tropical Diseases).
Vargas Iriarte, Ricardo (Semeiology).
De Zubiría, Roberto (Clinical Medicine).

Faculty of Odontology:
Arias, José (Prosthesis).
Barrientos Conto, Rafael (Anatomy).
Castro, Luis Felipe (Prosthesis).
Convers, Jorge (Anæsthetics).
Cuéllar, Alfonso (Surgery).
Delgado Morales, Alvaro (Introduction to the Study of Odontology).
Gutíerrez, Enrique (Surgery).
Fernández, Augusto (Pathology).
Henao Sáenz, José Tomás (Physiology).
Ocampo Alvarez, Arturo (Oral Hygiene, Pharmacology and Therapeutics).
Rezk, José (Oral Medicine).
Sandino, Pedro Miguel (Dental Pathology).

Faculty of Science:
Escobar, Wladimiro, S.J. (Physics).
Posada, Hernando, S.J. (Chemistry).
Ramirez, Jesus Emilio, S.J. (Geology).

Faculty of Engineering:
Agudelo, Jorge (Electrical Engineering).
Bateman, Jorge (Theoretical Geophysics).

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CÁRDENAS, José I. (Physics).
CASABIANCA, MANUEL (Chemistry, Calculus).
GARCÍA, CARLOS (Drawing).
GARCÍA SAMPER, CARLOS (Structural Engineering).
HERNANDEZ, CIRO (Practical Geophysics).
RUIZ H., HERNANDO (Materials of Construction).
SCHOTBORGH, ALBERTO E. (Physics, Algebra).
TAMAYO, CARLOS (Hydraulics).

Faculty of Architecture:
ACEVEDO, INÉS (Drawing).
ARBELÁEZ, Carlos (Development of Architecture).
BERNAL, GUSTAVO (Design).
CORRADINE, RENÉ (Theory of Architecture).
MATÉ, MANUEL (Construction).

Faculty of Philosophy, Letters and Pedagogy:
ARCINIEGAS, REINALDO (Spanish).
DEMELENEURE, MARC (French).
LARRAÑAGA, EDUARDO (Critique).
MINDSZENTI, BELA (Latin).
PACCIOTTI DE GONZÁLEZ EDELWIS (Greek).
SCHRODER, CARLOS (German).
VIEIRA, MANUEL (English).

Women's Faculties.

DIRECTORS:

Bacteriology: Dir. Dr. JAIME GÓMEZ SALAZAR.
Art and Decoration: Dir. Dr. CARLOS ORTEGA MERIZALDE.
Nursing: CECILIA SILVA DE MOJICA.
Dietetics: Dir. Dr. MARGARITA DE TRIP.

PROFESSORS:

Bacteriology Course:
CORTÉS MENDOZA, EDUARDO (Theoretical Hæmatology).
GALVIS GÓMEZ, ELBERTO (Biochemistry, Biology).
GARAVITO, JOSÉ MARÍA (Parasitology).
GARCÍA CORTÉS, CARLOS (Mycology).
HERRNSTADT, BRÍGIDA (Practical Bacteriology).
LLERAS PIZARRO, ALFREDO (Theoretical Bacteriology).
ROSSELLI, ANDRÉS (Theoretical Anatomy and Physiology).
SARMIENTO, EDUARDO (Biophysics).

Art and Decoration:
ACEVEDO, INÉS (Technique of Colour).
ANGULO, JOSÉ JOAQUÍN (Composition and Design).
BARBA, JOSEFINA A. DE (Modelling and Sculpture).
ESCOBAR LÓPEZ, STELLA DE (Interior Decoration).
ORTEGA MERIZALDE, CARLOS (Design, Materials, etc.).
REYES RUBIANO, CARLOS (Perspective).
SOSA SALAZAR, JORGE (Commercial Art).

Nursing:
CANALES PEÑA, STELLA (History of Nursing).
DELGADILLO, ALBERTO (General Surgery).
PLATA BERMÚDEZ, HERNANDO (Introduction to Medical Science).
RIVEROS DEREYES, LOLA (Supervision of Nursing).
SIERRA, GUILLERMO (Radiology).
ZUBIRÍA, ROBERTO DE (Physics, Anatomy and Physiology

Dietetics:
FERNÁNDEZ D., GLADYS (Nutrition).
SANCHEZ DETRIP, MARGARETA (Dietetics).
SÁNCHEZ MEDINA, MARIO (Nutrition).

Escuela Superior de Periodismo y Radiodifusión (*Advanced School of Journalism and Broadcasting*).
Director: R.P. AUGUSTO ORDÓÑEZ, S.J.

Escuela de Bacteriología (*School of Bacteriology*).
Director: Dr. JAIME SALAZAR GÓMEZ.

Escuela de Arte y Decoración Arquitectónica (*School of Art and Architecture*).
Director: Dr. CARLOS ORTEGA MERIZALDE.

Escuela de Enfermería (*School of Neursing*).
Director: CECILIA SILVA DE MOJICA.

Escuela de Dietética (*School of Dietetics*).
Director: MARGARITA SÁNCHEZ DE TRIPP.

UNIVERSIDAD LIBRE
(Free University)

CARRERA 6A, No. 8-06, BOGOTÁ
Telephone: 344-884
Founded 1923

Rector: Dr. GERARDO MOLINA.
Secretary: JORGE SOLER MARIÑO.
Faculties' Secretary: Dr. CARLOS MARTÍNEZ RODRÍGUEZ.
Librarian: LUCREZIA MEDINA.

Number of teachers: 220.
Number of students: 1,850.

DEANS:

Faculty of Law and Social Sciences: Dr. HERNÁN BAQUERO G.
Faculty of Education: Dr. HUMBERTO RODRÍGUEZ.
Faculty of Engineering: Dr. RAMIRO OSORIO.

PROFESSORS:

Faculty of Law and Social Sciences:
ESPITIA, DIEGO ALBERTO (Public Law).
MINA BALANTA, ADOLFO (Procedural Law).
MONTAÑA CUELLAR, DIEGO (Economic and Social Sciences).
PÉREZ VIVES, ALVARO (Private Law).
POSADA DÍAZ, FRANCISCO (Philosophy of Law).
RUIZ, SERVIO TULIO (Penal Law).

Faculty of Education:
ABOUCHAAR, ALBERTO (Biology).
ARIZALA, JOSÉ (Economy).
CIVETTA, NICOLÁS (Mathematics).
CUESTAS, JOSÉ DEL C. (Social Sciences).
ESPINOSA, OSCAR (Psychology).
PEREA, AMERICO (Physics).
PEREA, JAIME (Chemistry).
ROJAS, ALVARO (Philosophy).

Faculty of Engineering:
CHAIB, ABDUL (Mathematics).

UNIVERSIDAD DE LOS ANDES

CALLE 18-A, CARRERA 1-E,
APARTADO AÉREO 4976, BOGOTÁ.
Telephone: 34-36-40
Founded 1948

Rector: Dr. RAMON DE ZUBIRÍA.
Secretary-General: GUSTAVO ARGÁEZ.
Librarian: CAMILA BOTERO.

The library contains 12,000 volumes.
Number of teachers: 168.
Number of students: 921.

DEANS:

Faculty of Economics: Dr. MIGUEL FADUL.
Faculty of Engineering: Dr. ALVARO SALGADO.
Faculty of Architecture: Dr. CARLOS DUPUY.
Faculty of Philosophy and Letters: Dr. DANILO CRUZ.
Faculty of Arts and Sciences: Dr. HERNANDO GROOT, M.D.
Dean of Studies: Dr. EDUARDO CAMALHO.

HEADS OF DEPARTMENTS:

Department of Modern Languages: MRS. MARY WEST.
Department of Mathematics: Dr. HENRI YERLY.
Department of Spanish: Dr. RAFAEL POSADA.
Department of Chemistry: Dr. VICTOR JIMÉNEZ.
Department of Physics: (Vacant).
Department of Draughtsmanship: Dr. ALBERTO SCHORTBORGH.
Department of Humanities: Dr. ABELARDO FORERO-BENAVIDES.

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UNIVERSIDAD DE MEDELLÍN

CALLE 31, No. 83-B-150, MEDELLÍN

Founded 1950

President: Dr. German Medeina.
Honorary President: Doña Luz Castro de Gutierrez.
Rector: Eduardo Fernández Botero.
Secretary-General: Dr. Horacio Franco.
Librarian: Adela Sanabria Parra.

Number of teachers: 101.
Number of students: 917.
Publication: *UDEM* (*Revista Universidad de Medellín*).

Deans:

Faculty of Law: Dr. Luis Carlos Calle Calle.
Faculty of Industrial Economy: Dr. Evelio Ramirez.
Faculty of Administrative Sciences: Dr. Frank Botero.

Professors:

Faculty of Law:
Arcila Ramírez, Luis (Judicial Trials).
Calle López, Guillermo (Legal Medicine)
Castrillón H., Gabriel (General Penal Law)
Cuartas Naranjo, Alfonso (Co-operatives)
Díaz Mendoza, Miguel (Mines, Crude Oils and Lands).
Fernández Botero, Eduardo (Colombian Constitution).
Fernández Santamaria, Jorge (Public Economy and Legislation).
Guevara, Enrique (Philosophy of Law)
Gutiérrez M., Alfredo (General Administration)
Hernández, Tito Octavio (Individual and Collective Labour Procedure).
Hernández Salazar, Jorge (Roman Law)
Jaramillo, Enrique (International Private Law).
Lopera Peña, Arsecio (Civil Law).
Mejía Ramírez, Gustavo (Civil Law)
Mejía Velásquez, Ignacio (Canon Law),
Ochoa Arismendi, Jaime (International Public Law).
Orozco Ramírez, Alfonso (Co-operatives)
Peláez Sierra, Juan (Civil Procedural Law)
Peláez Vargas, Gustavo (General Penal Law)
Quijano Aristizabal, John (Colombian Administration).
Restrepo, Bernardo (Instruments of Negotiation).
Rodríguez, Arturo (Introduction to Law).
Ruiz Sánchez, Gustavo (General Constitutional Law).
Sierra Garcia, Jaime (Civil Law)
Sierra Mejía, Hernando (Public Finance)
Sierra Restrepo, Horacio (Civil Law).
Sosa, Fabio (Philosphy of Law).
Suarez Acevedo, Carlos (General and American Sociology).
Turizo, Justiniano (Anthropology).
Upegui, Gabriel (Colombian Penal Law)
Uribe Bernal, Leonel (Civil Law).
Uribe Wills, Carlos (Colombian Penal Law).

Faculty of Industrial Economy:
Arango, Alberto (Markets and Sales).
Cano Rivera, Jorge (Public Finance)
Cañola, Jairo (Economy).
Cardenas, Octavio (Economy).
Cardozo, Gilberto (Auditing).
Castaño, Jorge (Administrative Theory).
Cossio, Israel (Tributary Finance and Legislation).
Duque, Emilio (Principles of Legislation).
Escobar, Román (International Economy).
Gómez, Ariel (Transport, Customs and Tariffs).
Gómez, Arturo (Securities).
Gómez, Javier (Accountancy).
Gonzalez, Mario (Labour Relations).
González, José María (News Editing).
Henao, Antonio (Financial Mathematics).
Jaramillo, Luis Fernando (Colombian Economy).
Machado, Rafeal (Social Investigation Methods).
Muñoz, Hugo (Economy).
Mustafa, Ignacio (Labour Legistalion and Problems).
Orozco, Darío (Business Organisation).
Ortega, Hernán (Costs and Auditing).
Ospina, Jaime (Industrial Relations).
Posada Angel, Jaime (Administrative Theory).
Poveda, Gabriel (Thesis Seminar)
Restrepo, Alberto (Statistics).
Rodas Baena, Jaime (Mathematics).
Sánchez, Hernán (Economic Geography)
Suarez, Carlos (Sociology, Economic History, Political Institutions).
Uribe, Raul (Rationalisation of Methods)
Villa, Oscar (Legislation and Banking Practices

Faculty of Administrative Sciences:
Botero Ramírez, Ernesto (Psychology and Psychotechnics)
Cano Rivera, Jorge (Organisation and Methods).
Eastman de López de Mesa, Haydee (Sociology).
Granados, Juan B. (History).
Lalinde Viveros, Guido (Introduction to Public Administration).
Márquez Vargas, German (Systems of Administrative Control).
Mesa Jaramillo, Alvaro (Public Relations and News Editing).
Muñoz Echandía, Hugo (Economy).
Mustafa, Ignacio (Commercial Law).
Ortíz Restrepo, Jaime (Personnel Administration, Professional Ethics).
Ospina Botero, Hector (Economy)
Peña Alzate, oscar (Budgetary Administration, General Planning).
Ramírez Martínez, Evelio (Mathematics).
Rodríguez, Mario (Administrative Analysis).
Ruiz Sánchez, Gustavo (Political Science).
Trujillo Palacio, Enrique (Banking Organisation)
Zuluaga Restrepo, Hermes (Human Relations).

COLEGIO MAYOR DE NUESTRA SEÑORA DEL ROSARIO

CALLE 14, Nos. 6-25, BOGOTÁ

Founded 1653

Rector: Illmo. Mons. José Castro.
Vice-Rector: Dr. Marco Cruz Díaz.
Director: Mons. Carlos Rodríguez.
Secretary-General: Dr. Rafael Osorio.
Librarian: Jorge Ortíz Arango.

The University has greatly increased its library and now has 50,000 books on Jurisprudence alone.

Faculties: Jurisprudence, Economics.

The faculties are under the direction of the Rector and the Faculties' Secretary.

Faculties' Secretary: Ovidio Oundjian.

Publication: *Revista.*

FUNDACIÓN UNIVERSIDAD SANTIAGO DE CALI

CALLE 10, No. 5-14, CALI

Founded 1958

Rector: Dr. Alfredo Cadena Copate.
Secretary-General: Dr. Marco Fidel Chaves.
Librarian: Dr. Liborio Villa Cantillo.

Deans:

Faculty of Law: Dr. Héctor Fabio Varela.

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CONGO REPUBLIC (BRAZZAVILLE)

Population 800,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: Brazzaville; 3 committees.

Bureau de Recherches Géologiques et Minières: Brazzaville.

Centre d'Océanographie: B.P. 322, Pointe Noire; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); Dir. G. R. BERRIT.

Centre Technique Forestier Tropical: Pointe Noire; forestry research.

Institut Africain: Mouyondzi; living African languages.

Institut d'Etudes Centrafricaines: B.P. 181, Brazzaville;. engages in scientific research; Dir. M. PAULIAN.

Institut d'Etudes Congolaises: Brazzaville; Dir. M. MALONGA.

Institut de Recherches du Coton et des Textiles Exotiques: br. at Madingou.

Institut de Recherches pour les Huiles Oléagineuses: brs. at Loudima, Sibiti.

Institut de Recherches Scientifique au Congo (*Scientific Research Institute*): Brazzaville; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer).

Institut Pasteur: B.P. 120, Brazzaville; f. 1908; clinical-biology department, anti-rabies and anti-smallpox vaccines and research departments, particularly in the fields of Trypanosomiasis, Biochemistry and Virology.

Station Fruitière du Congo: Loudima; f. 1963.

U.S. Information Center: Brazzaville.

COLLEGES

Centre d'Enseignement Supérieur: B.P. 69, Brazzaville; f. 1961; the centre is designed to form the nucleus of the future Université de Brazzaville; the centre co-operates with similar centres in Gabon, Chad and the Central African Republics. The Centre comprises: Schools of Law, Letters, Science, Medicine; Agronomic and Zootechnical courses and Teachers' Training Institute.

Rector: RENAUD PAULIAN.

Number of students: 772.

Centre d'Etudes Administratives et Techniques Supérieures: administrative and judicial centre, school of arts.

College Technique, Commercial et Industriel de Brazzaville (et centre d'Apprentissage): Brazzaville; f. 1959; for African students, internal and external (560 in 1960); Dir. HUBERT COUPPEY.

Lycée Technique d'Etat (*Technical College*): Brazzaville; commercial, general and industrial sections; Principal H. COUPEY.

Centre de Formation Professionnelle Agricole: Sibiti.

Secondary Teacher-Training Institute: Brazzaville; f. 1962 under U.N. Special Fund; students will be admitted from the Central African Republic, Chad and Gabon.

School of Fine Arts: Brazzaville; f. 1953; trains teachers of design for secondary schools.

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CONGO REPUBLIC (LÉOPOLDVILLE)

Population 13,864,421

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: B.P. 2-289, Léopoldville.

British Council: B.P. 597, Léopoldville; f. 1961; Rep. A. W. J. Barron.

Centre d'Etude des Problèmes Sociaux Indigenes (C.E.P.S.I.): B.P. 1873, Elizabethville; f. 1946; to study problems arising from the social evolution of the inhabitants of the Congo.

Institut National pour l'Etude Agronomique du Congo (I.N.E.A.C.): B.P. 3037, Kalina, Léopoldville; f. 1933; to promote the scientific development of agriculture in the Congo; the library and documentation centre provisionally at 1 rue Defacqz, Brussels 5; br. at Usumbura Burundi).

Institut pour la Recherche Scientifique en Afrique Centrale (I.R.S.A.C.): Lwiro, D.S. Bukavu; principal stations are at Lwiro, D.S. Bukavu (biology), Mabali, on Lake Tumba (botany, climatology and zoology), Uvira, on Lake Tanganyika (hydrobiology) and Elisabethville, Katanga (biology); Dir.-Gen. U. Rahm.

Institut des Parcs Nationaux: B.P. 1950, Elisabethville; f. 1961; controls the Upemba nature reserve in Katanga and conducts scientific research; Pres. Prof. J. J. Symoens; Conservator M. Carion.

U.S. Information Center: coin des Avenues Charles de Gaulle et Kasavuba, Léopoldville.

MUSEUMS

Musée de la Vie Indigène: B.P. 587, Léopoldville; Curator Jean Vanden Bossche.

Musée Léopold II: B.P. 739, Elisabethville, Katanga.

There are museums at Coquilhatville, Stanleyville and Luluabourg.

UNIVERSITIES

UNIVERSITE LOVANIUM DE LÉOPOLDVILLE

B.P. 127, LÉOPOLDVILLE, XI

Telephone: Léopoldville 7501

Founded 1954

The University was founded by the Université Catholique de Louvain in collaboration with the Government.

Chancellor: His Excellency Mgr. F. Scalais, Archbishop of Léopoldville.

Vice-Chancellor: Albert Ndele.

President: Dr. L. P. Gillon.

Vice Presidents: R. Borghgraef, Mgr. M. Bakole.

Registrar: M. Plevoets.

President of the Cité Universitaire: E. Liétard.

Chief Librarian: J. P. Gorissen.

Number of professors: 110 full-time, 38 part-time, 57 research directors and assistants.

Number of students: 1,200.

Publications: *Publications de l'Université Lovanium de Léopoldville, Studia Universitatis "Lovanium", Notes et Documents.*

Deans:

Faculty of Theology: Alfred Vanneste.
Faculty of Medicine: Jacques Vincent.
Faculty of Law: Jean Buchmann.
Faculty of Arts: Willy Bal.
Faculty of Science: Antoine de Bont.
Faculty of Social, Political and Economic Science: Gerard van de Velde.
School of Engineering: Paul Monnens.
Faculty of Agricultural Science: Hervé Michels.
Director, Institute for Psychology and Education: Marie-Thérèse Knapen.
Director, Isntitute for Economic and Social Research (I.R.E.S.): Hughes Leclercq.

Full Professors:

Bal, W. (Romance Linguistics).
Bontinck, F. R. (Church History).
Borghgraef, R. (Physiology).
Bouillon, A. (Zoology).
Buchmann, J. (International Law).
Cambier, J. (New Testament).
Carlier, A. (Botany, General Genetics).
Charette, J. (General Physics, Infra-red Spectrography).
Collart, E. (Phytotechnics, Phytopathology, Ecology).
Crahay, F. (Logic, Modern Philosophy).
Crève, R. (Canon Law).
De Bont, A. (Biology, Tropical Limnology).
De Rop, A. (Bantu Literature and Linguistics).
Dopp, H. P. (History of French Literature, History of Art).
Elliott, F. (Biochemistry).
Gillon, L. (Nuclear Physics).
Godfraind, T. (Pharmacodynamics).
Hennebert, P. (Surgery).
Kerkhofs, W. (Graphostatics, Resistance of Materials).
Knapen, M. Th. (Psychology and Education).
Leclercq, H. (Economics).
Lefebvre, R. (Pedagogy).
Loos, R. (Nuclear Physics).
Monnens, P. (Thermodynamics, Construction of Machines).
Nicaise, J. (Social Legislation, Applied Statistics).
Olivier, M. (Ethics).
Rouche, N. (Electrical Engineering, Theoretical Physics).
Rubbens, A. (Legal Practice).
Seynaeve, J. (New Testament).
Silvestre, H. (Society and Institutions of Classical Antiquity, the Middle Ages and Modern Times).
Sonnet, J. (Internal Medicine).
Van Coillie, R. (General Chemistry).
Van Compernolle, G. (Pedology, Soils).
Vandepitte, J. (Bacteriology).
Van de Velde, G. (Banking and Banking Practices).
Vanhove, A. (Psychology).
Van Pee, W. (General and Applied Microbiology).

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VAN TORRE, J. (Ecclesiastics, Oecumenical Studies).
VERHAEGEN, B. (Political and Social Science).
VINCENT, J. (Histology).

Centre for the Study of Comparative African Law (CEDCA).
Director: ANTOINE RUBBENS.

Centre for the Study of African-inspired Romance Literature (CELRIA).
Director: VICTOR BOL.

UNIVERSITÉ DE L'ÉTAT

B.P. 1825, ELISABETHVILLE

Founded 1955 as the Université Officielle du Congo et du Ruanda-Urundi, re-formed Sept. 1960.

Chairman of the Board of Governors: P. MUHONA, Katanga Government.

Rector, Vice-Chairman of the Board of Governors: Prof. J. FRENKIEL.

Representative of the Head of State: M. KALENDA.

Secretary to the Board of Governors: G. DESSART.

Chief Administrative Officer: M. KALENDA.

Faculty Member in Charge of the Library: Prof. A. VANDEGANS.

The library contains 50,000 vols. and 1,400 current periodicals.

Number of teachers: 46, including 20 professors and 6 visiting professors.

Number of students: 140.

Publications: *Publications de l'Université de l'État a Elisabethville* (irregular).

DEANS:

Faculty of Philosophy and Letters: Prof. A. GÉRARD.
Faculty of Law: Prof. H. VLIEBERGH.
Faculty of Science and Applied Science: Prof. J. BELLIÉRE.
Faculty of Medicine: Prof. Y. BOUNAMEAUX.

PROFESSORS (Full-time only):

Faculty of Philosophy and Letters:
COUPEZ, A. (African Studies).
GÉRARD, A. (English).
REMY, P. (French).
VANDEGANS, A. (French).
VERBRUGGEN, J. F. (History).

Faculty of Law
PERIPHANAKIS (Natural Law).
VLIEBERGH, H. (Public Law).

Faculty of Science and Applied Science:
ALEXANDRE, J. (Geography).
BELLIÈRE, J. (Geology).
DEHOUSSE, M. (Mathematics).
FALLA, L. (Physics).
FIERENS, P. (Chemistry).
FRENKIEL, J. (Physics).
HULS, R. (Chemistry).
SYMOENS, J. J. (Botany).

Faculty of Medicine:
BOUNAMEAUX, Y. (Pathology).
DUMONT, P. (Radiology).
FIRKET, H. (Histology).
FISCHER, P. (Pharmacology).
VAN REMOORTERE, E. (Physiology).

COLLEGES

Ecole Nationale de Droit et d'Administration: Léopoldville; f. 1960 by the UN Legal Advisory Commission to train Congolese for the magistracy and judiciary; four-year courses for trainee managers and senior administrative officers; 200 students.

Institut Pédagogique National: Djelo, Binza, Léopoldville; f. 1961 with the help of technical and financial aid by UNOC (UN Operations in the Congo); 50 students have started two-year courses to train as secondary school teachers and education officers; also short courses for primary school teachers.

Telecommunications School: Léopoldville; f. 1962; trains employees of the International Telecommunications Union in technical subjects and English.

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COSTA RICA

Population 1,273,887

ACADEMIES

Academia Costarricense de la Lengua: Sala España, Biblioteca Nacional, San José; f. 1923; 9th in order of foundation in Spanish America; corresp. of the Real Academia Española, Madrid; 18 mems.; publ. *Boletín de la Academia Costarricense de la Lengua.*

Director: Hernán G. Peralta.
Secretary: Juan Trejos Quirós.
Treasurer: José Marín Cañas.

Members:

Agüero, Arturo.
Aguilar-Machado, Alejandro.
Arce Bartolini, José Maria
Argüedas, Samuel.
Bonilla, Abelardo.
González, Luis Felipe.
Macaya, Enrique.
Marchena Vallerriestra, Julian.
Orozco Castro, Carlos.
Pacheco Solano, León
Rodríguez, Cristián.
Tinoco, Luis D.
Ulate, Otilio.
Vincenzi, Moisés.
Zamora Elizondo, Hernan.

Academia Costarricense de la Historia: San José; Pres. Prof. Luis Felipe Gonzalez; Sec. Lic. Marco Tulio Zeledon.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Culturelle Franco-Costaricienne (*Comité de l'Alliance Française au Costa Rica*): Apto. 812, San José.

Asociación Bolivariana de Costa Rica (*Costa Rica Association of Simon Bolívar*): San José; f. 1930; 66 mems.; Pres. Octavio Castro Saborio; Sec. Lic. Demetrio Gallegos Salazar.

Asociación de Cardiología (*Cardiology Association*): Hospital San Juan de Dios, San José.

Asociación de Cirugía (*Surgery Association*): Hospital San Juan de Dios, San José.

Asociación de Medicina Interna (*Internal Medicine Association*): Hospital San Juan de Dios, San José.

Asociación de Obstetricia y Ginecología (*Obstetrics and Gyncæology Association*): Hospital San Juan de Dios, San José.

Asociación de Pediatría (*Pediatrics Association*): Hospital San Juan de Dios, San José.

Instituto de Alajuela (*Alajuela Institute*): Alajuela; scientific research station; Dir. Julio C. Solera.

Instituto Costarricense de Ciencias Politicas y Sociales (*Costa Rican Institute of Social and Political Sciences*): San José, C.9, Ave. 1-3.

Instituto Geográfico: Apdo. 2272, San José; Dir. Ing. Federico Gutierrez Braun.

Servicio Meteorológico: Apdo. 1028, San José; Dir. Elliott Coen.

LIBRARIES

Archivos Nacionales: San José; 1,500 vols.; Dir. José Luis Coto Conde; publ. *Revista de Los Archivos Nacionales de Costa Rica* (twice yearly).

Biblioteca de la Asamblea Legislativa: San José; f. 1953; 15,000 vols.; Dir. Salvador Jiménez-Canossa.

Biblioteca del Banco Central: San José; f. 1950; 14,654 vols.

Biblioteca del Centro Cultural Costarricense-Norteamericano: San José; 5,000 vols.

Biblioteca Nacional: Calle 5, Avenidas 1/3, San José; f. 1888; 125,000 vols.; Dir. Julián Marchena V.

Biblioteca de la Universidad de Costa Rica: Ciudad Universitaria, Apto. 3862, San José; f. 1946; 80,000 vols.; Librarian Prof. Efrain Rojas.

MUSEUMS AND GALLERIES

Museo Indígeno (*Native Museum*): Seminario Central, San José.

Museo Nacional: Apto. 749, San José; f. 1887; general museum; Botany and Zoology Section: Alfonso Jiménez; Museologist: Manuel Font Frutos; Sec.: Rose Marie Campos.

Galería Teatro Nacional: San José.

Galería Facultad de Bellas Artes: University of Costa Rica.

Galería la Casa del Artista.

Sala de Conciertos Tassara: Calle 14, No. 944, San José.

UNIVERSITY

UNIVERSIDAD DE COSTA RICA

P.O. BOX 3979, SAN JOSÉ
Télephone: 6750

Founded 1843, re-founded 1940

Rector: Dr. Carlos Monge Alfaro.
Secretary-General: Lic. Eugenio Rodríguez Vega.

Number of teachers: 334.
Number of students: 2,456 men, 1,372 women, total 3,828.

Deans:

Faculty of Agronomy: Ing. Luis Angel Salas Fonseca.
School of Fine Arts: Prof. Juan Portuguez Fucigna.
Faculty of Economic and Social Sciences: Lic. Fidel Tristán Castro.
School of Law: Lic. R. Sotela Montagné.
School of Pharmacy: Lic. Oscar Ramírez.
School of Engineering: Ing. Alfonso Peralta Esquivel.
School of Odontology: Dr. Edwin Fischel.
Faculty of Education: Dra. Emma Gamboa Alvarado.
Faculty of Science and Letters: Lic. Claudio Gutiérrez.
Faculty of Medicine: Dr. Mario Miranda.

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PROFESSORS:

Faculty of Agronomy:
ACOSTA JIMINEZ, R. (Cocoa, banana cultivation and fertilisers).
ALVARADO, M. GUILLERMO (Chemistry).
BARTORELLI B., GASTÓN (Rural Economy).
CHAVARRÍA F., RAFAEL (Genetics, Animal Husbandry).
DONDOLI B., CESAR (Geology).
GUTIERREZ ZAMORA, G. (Coffee cultivation).
MORALES M., EVARISTO (Entomology).
NANNE M., HERBERT (Agronomy).
NAVARRO B., EDWIN (Animal Husbandry).
ORTIZ B., FERNANDO (Veterinary Medicine).
OVIEDO S., LEONEL (Botany, Horticulture).
PERALTA E., ALFONSO (Mathematics, Draughtsmanship).
SÁENZ M., ALBERTO (Agronomy, Edaphology).
SALAS F., LUIS A. (Zoology).
UMAÑA ARAYA, R. (Plant anatomy).
VIVES FERNÁNDEZ, L. (Soil technology).

School of Fine Arts:
AMIGHETTI R., FRANCISCO (History of Art and Painting).
BERTHEAU O., MARGARITA (Painting).
CAMBRONERO G., MERCEDES (Modelling).
FERNÁNDEZ CABALLERO, LOLA (Painting).
JIMÉNEZ QUESADA, CLAUDIA MARÍA (Painting).
JIMÉNEZ SÁENZ, G. (Drawing).
MOYA LÓPEZ, RIGOBERTO (Drawing).
PACHECO S., LEÓN (History of Civilisation).
PACHECO ZAMORA, ANGELA (Modelling).
PORTUGUEZ FUCIGNA, JUAN (Anatomy).
RODRÍGUEZ, FLORA (Methodology).
ROMERO, SONIA (Drawing).
SALAZAR H., CARLOS (Drawing and Perspective).

Faculty of Economic and Social Sciences:
BOLAÑOS B., ALVARO (Elementary Accountancy).
CARVAJAL V., ANTONIO (Private Insurance).
CASTRO, ALVARO (Coins and Credit Banking).
COVER, WALLACE (Accountant's Professional Practice).
DENGO OBREGÓN, OMAR (Statistics).
FUMERO, FERNANDO (Elementary Accountancy).
FLORES, JOSÉ (Intermediate Accountancy).
GUARDIA URIBE, GASTON (Labour Legislation).
HESS ESTRADA, RAÚL (Economic Development).
JIMÉNEZ, JOSÉ MANUEL (Economic Doctrines).
JIMÉNEZ ROYO, MARIO (Accountancy).
KELSO, PERCIVAL (Elementary Accountancy).
PÉREZ, ISAAC (Micro-economy and Statistics).
QUINTANA, CARLOS (Statistics and Income Analysis).
RAMÍREZ, MELENDEZ T. (Statistics).
ROMERO GUZMÁN, MARIO (Costing).
SOLERA, RODRIGUEZ A. (Mercantile Law).
SOLEY CARRASCO, RODRIGO (Public Finance).
TREJOS FERNÁNDEZ, JOSÉ (Statistics).
TRISTÁN CASTRO, FIDEL (Principles of Administration).
ZUMBADO BERRY, FERNANDO (Statistics).
ZUÑIGA TRISTAN, RAFAEL (Accountancy).

School of Social Service: 13 professors.

School of Law:
ACOSTA GUZMÁN, ALFONSO (Forensic Medicine).
BLANCO QUÍROS, MIGUEL (Procedural Law).
CASAFONT ROMERO, PABLO (Civil Law, Contracts).
ELIZONDO MORA, VÍCTOR (Financial Law).
FALLAS MONGE, OTTO (Labour Law).
FOURNIER, ACUÑA F. (Public International Law).
FOURNIER GUEVARA, RODRIGO (Philosophy of Law).
GUTIÉRREZ, CARLOS JOSÉ (Philosophy of Law).
ORTIZ MARTÍN, GONZALO (Private International Law).
PADILLA CASTRO, GUILLERMO (Penal Law).
QUIRÓS SALAZAR, DANIEL (Civil Law).
SALAZAR HERRERA, GONZALO (Notarial Practice).
SOTELA MONTAGNÉ, ROGELIO (Roman Law).
VALLE PERALTA, NAPOLEÓN (Commercial Law).
VARGAS, FERNANDEZ E. (Constitutional Law).

Faculty of Medicine:
AGUILÁR, MANUEL (Surgery).
CAMPOS, VICTOR M. (Pharmacology).
CÉSPEDES, RODLFO (Pathological Anatomy).
CORDERO, RODRIGO (Medicine).
FERNÁNDEZ, BERNAL (Microbiology).
FERRIS I., RANDALL (Surgery).
GUTIÉRREZ, RODRIGO (Physiology).
GUZMÁN, VESALIO (Surgery).
HERNÁNDEZ, VICTOR M. (Physio-pathology).
JIMÉNEZ, JESÚS (Bio-chemistry).
JIMÉNEZ, OTTO (Medicine).
MIRANDA, MARIO (Medicine).
ORLICH, CLAUDIO (Surgery).
ORTÍZ, OSCAR (Medicine).
PEÑA, ANTONIO (Preventive Medicine).
QUIRCE, JOSÉ M. (Surgery).
SÁENZ, CARLOS (Pediatrics).
SOTO, LONGINO (Surgery).
TREJOS, FERNANDO (Medicine).

Faculty of Pharmacy:
AZOFEIFA GONZÁLEZ, GUILLERMO (Pharmacology).
CERDAS CRUZ, JAIME (Toxicology).
GONZÁLEZ GONZÁLEZ, GONZALO (Organic Chemistry).
MIRANDA HERNÁNDEZ, RUBÉN (Pharmacology and Industrial Pharmacy).
RAMÍREZ, OSCAR (Applied Inorganic Chemistry).
SÁENZ RENAULD, JOSÉ ALBERTO (Applied Botany).
TREJOS FLORES, JOSÉ MANUEL (Pharmacy).

School of Engineering:
ARAGÓN RODRÍGUEZ, FERNANDO (Design and Structural Theory).
DOBLES, MANUEL (Topography).
DOBLES VILORIA, RODOLFO (Applied Mechanics).
ESPINACH, CARLOS (Railroads).
HERRERO LARA, MIGUEL A. (Analytical and Descriptive Geometry, Highways).
KIKUT LY, EDMUNDO (Concrete Construction).
LÓPEZ GONZÁLEZ, ALVARO (Chemistry).
MÉNDEZ ARIAS, RENÁN (Resistance of Materials, Graphic Statics).
OROZCO, SABORIO RODRIGO (Geology).
PERALTA ESQUIVEL, ALFONSO (Electricity).
QUIRÓS SASSO, MARIO (Hydraulics, Sanitary Engineering).
SÁNCHEZ ARIAS, FERNANDO (General Construction).
SITTENFELD ROGER, MAX (Testing of Materials).
ULATE RIVERA, CARLOS (Hydraulics).
VARGAS MONTERO, FRANCISCO (Mechanics).
VARGAS VARGAS, EDGAR (Architecture).

School of Odontology:
ACUÑA SOLERA, ELADIO (Prosthesis).
AGUILÁR ROJAS, CLAUDIO (General Pathology).
BRENES GUTIÉRREZ, FRANCISCO (Metallurgy and Dental Materials).
BRENES, VICTOR (Ethics).
CARMIOL BORBÓN, GERMÁN (Clinical Dentistry).
CARILLO ECHEVERRÍA, EDUARDO (Operative Dentistry).
CARTÍN MONTERA, HERNÁN (Operative Dentistry).
CÉSPEDES, RODOLFO (General Histology).
ESCALANTE PRADILLA, RODOLFO (Prosthesis).
ESQUÍVEL COOPER, JOSÉ LUIS (Dental Surgery, Anæsthetics).
FERNÁNDEZ, CARLOS MANUEL (Parcial Prosthesis).
FISCHEL, EDWIN (Clinical Surgery).
FONSECA, ALVARO (Human Anatomy).
GARCÍA VALVERDE, RAMÓN (Dental Anatomy).
MIRANDA, GUIDO (Origins of Medicine).
MONTES DE OCA VASQUEZ, PABLO (Crowns and Bridges).
ORTÍZ CÉSPEDES, JOSÉ MARÍA (Materia Medica).
PAULY S., RAYMOND (Clinical Periodontics).
TRUQUE GURDIÁN, MARIO (Clinical Dentistry).

Faculty of Education: 32 professors.

Faculty of Science and Letters:

Department of Philosophy:
BARAHONA, JIMENEZ (Classical Philosophy).
HERRERA, MATA LIGIA (Medieval Philosophy).

Department of Languages and Literature:
AGUERO CHAVES, ARTURO (Latin).
ANGOTA DE SANTORO, MARIA (Latin).
AZOFEIFA BOLANOS, ISAAC (National Literature).
BONILLA BALDARES, ABELARDO (Spanish Literature).
CABEZAS DUFFNER, RENEÉ (French).
CARRANZA VOLIO, MATILDE (English).
GARRIDO LLOVERA, LENIN (Classical Literature).
HASS BACHMANN, LILLY (French).
HERRERA RODRIGUEZ, VIRGINIA (English).

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Malavassi Vargas, Guillermo (Latin).
Orozco Carrillo, Elsa (English).
Padilla Castro, Guillermo (French).
Van Huffel Dedobbeleer, Rene (French).
Vitola Sangiovanni, Domenico (Italian).
Zuniga Tristan, Virginia (English Literature).

Department of Chemistry:
Acuña, Lic. Armando (Chemistry).
Ardón, Rodolfo (Chemistry).
Bravo, Lic. Orlando (Chemistry).
Cartín Montero, Rafael (Organic Chemistry).
Castañeda, Fernando (Physico-chemistry).
Jirik Olson, Frank (Physical Chemistry).
López González, Alvaro (Industrial Chemistry).
López, Rodrigo (Chemistry).
Malavassi, Ing. Enrique (Geology).
Monge, Lic. Reinaldo (Chemistry).
Salgado, Roberto (Chemistry).
Schlager, Guillermo (Industrial Organisation).
Solano, Juan A. (Analytic Quantitative Chemistry).
Thuél, Lic. Julio (Chemistry).
Vitoria Garayo, Juan (Industrial Bio-chemistry).
Zumbado, Eduardo (Bromatology).

Department of Microbiology:
Jimenez Quiros, Otto (Helminthology).
Leiva Quiros, Alvaro (Bacteriology).
Montero Castro, Rafael (Bacteriology).
Morales Vargas, Gonzalo (Biochemistry).
Soto Pacheco, Renato (Microbiology).
Vargas, Mendes, Oscar (Hygiene and Public Health).

Department of General Studies:
Lascaris Conmeno, Constantino (Fundamental Philosophy).
Rodriguez Caballero, Rafael (Fundamental Biology).
Santoro, Gustavo (Fundamental Sociology).

Department of Physics and Mathematics:
Alfaro Sagot, Bernardo (*Head of Department*).
Arias, Rodolfo (General Mathematics).
Calvo, Ing. Manuel (General Mathematics).
Carboni Escalante, Fernando (Trigonometry and Algebra).
Dobles Viloria, Rodolfo (Drawing).
Herrero Lara, Miguel (Analytical Geometry).
McGhie, Ing. Henry (Physics).
Sagot Castro, Walter (Mathematics).
Tebas, Lic. Manuel (Physics, Electricity and Magnetism).
Trejos, Prof. José (Algebra).
Zomer, Clara S. (Physics).
Zumbado Berry, Fernando (Mathematics).

Department of Geography and History:
Dengo Obregon, Omar (Principles of Economics).
Gomez Urbina, Carmen (Costa Rican History).
Melendez Chaverri, Carlos (History and Geography of Costa Rica).
Molina Coto de Lines, Maria (History of America and Costa Rica).
Monge Alfaro, Carlos (History and Economic Geography).
Nuñez Vargas, Benjamin (Sociology).
Obregon Loria, Rafael (History and Geography of Costa Rica).
Orozco Carrillo, Alexis (Principles of Economics).
Polanco Ramirez, Maria (Geography of Europe).
Yglesias Echeverria, Manuel (Costa Rican History).

Department of Biology:
Arrea, Dr. Carlos (Human Anatomy).
Balli Pranzini, A. (Biology, Zoology and Comparative Anatomy).
Carvajal, Ing. José F. (Plant Physiology).
Chavarría Flores, Rafael (Genetics).
De Abate, Dr. John (Biology).
Gámez, M. S. Rodrigo (Genetics).
Jiménez, Lic. José M. (Biology).
Oviedo Solano, Leonel (Plant Anatomy).
Sáenz Renault, José (Biology).
Valerio, Prof. Rómulo (Natural History).

Affiliated Institute:

Conservatorio Nacional de Música.

Cabezas Duffner, Raúl (Violin).
Caggiano Cabezas, Z. (Piano).
Cambronero Vargas, Carlos (Violoncello).
González Castro, Francisco (Sol-fa, Musical Dictation).
Jiménez Ferraz, Lucía (Sol-fa).
Martinez Quesada de López, M. (Piano).
Pacheco Solano, León (History of Music).
Pérez O., Juan de Dios (Flute, Sol-fa).
Quesada Argüello, Miguel A. (Piano).

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CUBA

Population 6,750,000

ACADEMIES

Havana

Academia Cubana de la Lengua: Calle 9, 454 Vedado; f. 1951; corresponds with the Real Academia Española.

Director: José Maria Chacon y Calvo.
Vice-Director: José Manuel Carbonell.
Secretary: Juan Fonseca.
Censor: Miguel Angel Carbonell.
Treasurer: Alfredo F. Padrón.
Librarian: Raimundo Lazo.

Members:

Félix Lizaso.
Emeterio S. Santovenia.
Fernando Ortiz y Fernández.
Cardenal Arteaga.
Juan J. Remos.
Agustín Acosta.
Antonio Iraizoz,
Esteban Rodríguez Herrera.
Adolfo Tortoló.
José de la Luz León.
Dulce M. Loynaz de Alvarez de Cañas (*Elected*).
Ernesto Dihigo (*Elected*).
Luis A. Baralt y Zacharié (*Elected*).
Carolina Poncet y de Cárdenas (*Elected*).
Néstor Carbonell Rivero (*Elected*).
Mario Guiral Moreno (*Elected*).

Academia de Ciencias Médicas, Físicas y Naturales de la Habana (*Academy of Medical, Physical and Natural Sciences*): Cuba 460; f. 1861; library of 105,000 vols.; Pres. Dr. Clemente Inclán; Sec. Dr. Luis F. Leroy; publs. *Anales, Revista Científica.*

Academia de Derecho Internacional de la Habana (*Academy of International Law*): Paula 251; f. 1915; 125 mems.; Pres. Prof. César Salaya; Sec. Dr. Antonio Linares Fleytas; publ. *Anuario.*

Comisión Nacional de la Academia de Ciencias de la Réppublica de Cuba: Capitolio Nacional, Havana; f. 1962; scientific research in anthropology, biology, oceanography, geography, history, mathematics and agricultural investigations, ethnology; 10 mems.; Pres. Capt. Dr. Antonio Núñez Jiménez; Sec. Ernesto Tabío; publs. *Boletín del Archivo Nacional* (Institute of History), *Poeyana* (Institute of Biology), *Finlay* (Historical Museum of Medical Science).

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Havana

Agriculture, Botany, Biology

Instituto Biológico Cubano (*Cuban Biological Institute*): f. 1928; Dir. Gilberto Silva.

Instituto de Biologia de la Academia de Ciencias de la Republica de Cuba (*Institute of Biology of the Academy of Sciences*): Capitolio Nacional, Havana; Dir. Miguel L. Jaume; The Cuban Natural History Museum, the Zoological Park of Havana, the Botanical Garden and the Cuban National Aquarium are under the direction of the Institute.

Sociedad Cubana de Botanica.

Jardín Botánico de la Universidad de la Habana (*Havana University Botanical Gardens*): Carlos III and Infanta; f. 1817 as Jardín Botánico de La Habana by the Sociedad Patriotica de Amigos del País; incorp. with Faculty of Science, Havana Univ., 1866; includes a botanical library and museum; Dir. Dr. Manuel Mencía y García; publ. *Revista de la Sociedad Cubana de Botánica*; library.

Sociedad Cubana de Historia Natural "Felipe Poey" (*Felipe Poey Society of Natural History*): Havana University; f. 1913; Pres. Dr. Luis Howell Rivero; Sec. Dra. Violetta Valenzuela; publs. *Mémorias, Torreia.*

Engineering and Radio

Sociedad Cubana de Ingenieros (*Cuban Engineers' Association*): Ave. de Bélgica 258; f. 1908; library of 9,000 vols.; 500 mems.; Pres. Ing. Eduarde I. Monteulieu; Sec. Ing. Honorate Colete; publ. *Revista* (bi-monthly).

Sociedad de Radiologia de la Habana (*Havana Radiological Society*): f. 1926; Dir. Dr. Pedro L. Fariñas; publ. *Anales de Radiologia y Fisioterapia.*

Fine Arts

Havana

Circulo de Bellas Artes: Industria 458.

Sociedad Pro-Arte Musical (*Musical Society*): Calzada 510; Vedado; f. 1918; 4,500 mems.; Pres. Conchita Giberga de Oña; publ. *Revista de Pro-Arte* (bi-monthly).

Sociedad Universitaria de Bellas Artes (*University Society of Fine Arts*): f. 1942; sections: literature, music, drama, cinema, plastic arts, native arts, dancing, eurhythmics, publicity.

Santiago

Asociación Más Luz: Calle 11, No. 33; its sections include a library (f. 1932) of 14,500 vols.; a historical museum (f. 1942); a periodicals library (*Hemeroteca José Martí*); and an art gallery; the Association organises annual exhibitions of painting and sculpture; publ. *Memorial Más Luz* (annual).

Law

Havana

Instituto Americano de Derecho Internacional (*American Institute of International Law*): Paula 251; f. 1919; Dir. Dr. Ricardo J. Alfaro; publ. *Revista de Derecho Internacional* (quarterly).

Sociedad Cubana de Derecho Internacional (*Cuban International Law Society*): Concordia 166, Dept. 203; f. 1915; 132 mems.; Pres. César Salaya; Sec. Dr. Pablo F. Lavín y Padrón; Treas. Dr. Antonio Linares; publs. *Revista, Anuario.*

Literature

Alianza Francesa de Cuba: Avda. de los Presidentes 405, Vedado.

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Asociación Bibliográfica Cultural de Cuba (*Bibliographical Cultural Association*): Calle 10, No. 356, Vedado; f. 1935; 150 mems.; Pres. Dr. JULIO VILLOLDO; Secs. Sra. MARÍA TERESA FREYRE DE ANDRADE and José CONANGLA.

Ateneo de La Habana (*Havana Athenaeum*): Calle 9 No. 454, Vedado; f. 1902; Pres. Dr. José M. CHACÓN Y CALVO; Sec. Dr. JOSÉ M. FUENTE CARRETERO.

Casa de las Americas (*Association of American Writers and Artists*): Calle 3 y Avenida de los Presidentes; f. 1936; Dir. HAYDÉE SANTAMARÍA; total number of mems., 43,822; affiliations in Argentina, Brazil, Chile, Costa Rica, Dominican Republic, Haiti, Mexico, Panama, Nicaragua, Uruguay; 20 cultural institutes for the different countries of Latin America in Havana; permanent Sections: Propaganda, Organisation and Research; Literature; Science; Music; Painting; Sculpture; Architecture; Drama; publ. *América*; has established Casa-Editorial del Libro Americano to publish books of the Americas; independent department of the Instituto Nacional de Previsión y Reformas Sociales; library.

Sociedad de Autores e Artistas: Pres. NICOLAS GUILLÉN.

METEOROLOGY, ASTRONOMY

Havana

Observatorio del Colegio de Belén (*Belén College Observatory*): Apdo 221; f. 1858; Dir. JOSEPH R. GOBERNA S.J.; library of over 20,000 vols.; publs. yearly meteorological observations (1858–1925), hurricane studies and predictions; occasional papers.

Observatorio Nacional (*National Observatory*): Casa Blanca; f. 1902; Dir. José CARLOS MILLÁS; publs. *Boletín* (quarterly).

Cienfuegos

Observatorio del Colegio "Nuestra Señora de Montserrat" (*Our Lady of Montserrat College Observatory*): San Fernando 263, Apdo. 405, Cienfuegos L.V.; f. 1910; acts as a meteorological station for the Observatorio del Colegio de Belén, Havana, and the Weather Bureau, Washington; Dir. JOSEPH R. GOBERNA, S.J.; Assist. Dir. ESTEBAN BEDOYA, S.J.; publs. *Anales* (1911-1922).

SCIENCE, MEDICINE

Havana

Circulo Medico de Cuba (*Cuban Medical Circle*): Ave. A. Maceo 61, La Habana.

Consejo Nacional de Tuberculosis (*National Tuberculosis Council*): Avda. Columbia y 8a, Marianao; Dir. Dr. ERNESTO BELLO.

Instituto Cubano de Investigaciones Tecnológicas (*Cuban Institute of Technological Investigations*): Via Blanca y Carretera Central, Habana.

Instituto del Cáncer (*Institute of Cancer*): Hospital Calixto García, Habana.

Instituto de Nutrición (*Institute of Nutrition*): Calle 23 No. 1670, Vedado, La Habana.

Instituto Dietético Nacional (*National Diatetic Institute*): Calle 26, No. 322, Vedado, La Habana.

Instituto Finlay: Avda. Infanta y Crucero; f. 1927; scientific research and health instruction; Dir. Dr. OSCAR MATEO DE ACOSTA; publs. *Boletín Oficial del Ministerio de Salubridad y de Asistencia Social*, scientific works; library and museum.

Instituto Nacional de Investigacion Cientifica (*National Institute for Scientific Investigation*).

Sociedad Cubana de Cardiologia (*Cuban Society of Cardiology*): Linea No. 8, Apdo. 55, Vedado, La Habana.

Sociedad Cubana de Cirugia (*Cuban Surgical Society*).

Sociedad Cubana de Ciencias Físicas y Matemáticas (*Society of Physical and Mathematical Sciences*): Edificio Poey, University of Havana; publ. *Revista*.

Sociedad Cubana de Historia de la Medicina (*Cuban Society of the History of Medicine*): Cuba NRO 460, Havana 1; Pres. Dr. IGNACIO ALVARÉ GÓMEZ; Sec.-Gen. CÉSAR RODRÍGUES ESPÓSITO.

Sociedad Cubana de Pediatria (*Cuban Pædiatrics Society*): Edificio Radiocentro, Vedado; f. 1928; publ. *Boletín*.

Sociedad Cubana de Tisiologia (*Cuban Society of Phthisiology*): Virtudes 618, La Habana.

Sociedad de Estudios Clinicos de la Habana (*Society of Clinical Studies*): Manrique 412, Habana.

Sociedad Malacológica "Carlos de la Torre" (*Malacologcail Society*): Havana University, Apdo. 2634; f. 1942. library of 3,000 vols.; Pres. CARLOS G. AGUAYO; Sec. MIGUEL L. JAINE; Libr. Dr. MAR JUAREZ; publ. *Revista*;

Sociedad Nacional de Anestesiologia (*National Society of Anaesthesiology*): Ave. de los Presidentes 506, Vedado, Habana.

MISCELLANEOUS

Havana

Centro Asturiano (*Asturian Centre*): San Rafael No. 3, entre Zulueta y Monserrate; f. 1886; library of 21,000 vols.; Dir. JUAN VÁZQUEZ CABRERA.

Instituto de Documentación: Capitolio Nacional, Havana; Dir. Dr. HÉCTOR TOUZA.

Instituto de Geografia y Geologia de la Academia de Ciencias de la Republica de Cuba (*Institute of Geography and Geology of the Academy of Sciences*): Capitolio Nacional, Havana; library of 5,000 vols.; 198 mems.; Dir. Dr. SALVADOR MASSIP; Sec. Dr. SARAH YSALGUE; publ. *Revista*.

Instituto de Historia (*Institute of History*): Compostela y Velazco; f. 1962 to succeed Academia de la Historia de Cuba; library of 25,000 vols.; Dir. JULIO LE RIVEREND; Advisory Council Dr. RAUL CEPERO BONILLA, Dr. EMILIO ROIG DE LEUCHSENRING, Dr. ELIAS ENTRALGO BALLINA, SERGIO AGUIRRE CARRERAS, CARLOS FUNTANELLAS CASTELLANOS, FERNANDO PORTUONDO DEL PRADO.

Instituto Interamericano de Historia Municipal e Institucional (*Inter-American Institute of Municipal History and History of Institutions*): Leonor Pérez 251; f. 1943; Pres. ANDRÉS ANGULO Y PÉREZ; Sec. JOSÉ L. FRANCO.

Instituto Nacional de Previsión y Reformas Sociales (*National Institute of Social Reform*): Avenida de los Presidentes 52, Vedado; f. 1935; library of 25,000 vols.

Junta Nacional de Arqueologia y Etnologia (*National Office of Archæology and Ethnology*): Palacio Conde Lombillo, Plaza de la Catedral; f. 1937; 30 mems.; Pres. Dr. EMILIO ROIG DE LEUCHSENRING; Vice-Pres. Dr. FELIPE MARTINEZ ARANGO, JOSE LUCIANO FRANCO FERRÁN; Sec. Dr. ANGEL SUAREZ ROCABRUNA; comprises three sections; arqueología aborigen (*native archæology*), Pres. Cap. Dr. ANTONIO NUÑEZ JIMENEZ; arqueología colonial (*colonial period archæology*), Pres. Arq. JOSE M. BENS ARRARTE; etnología (*ethnology*), Pres. Dr. JULIP MORALES COELLO; publ. *Revista*.

Sociedad Colombista Panamericana (*Panamerican Columbus Society*): Paula 251; f. 1935; consists of the Biblioteca Pública Panamericana Habana and the Hemeroteca Pública Americana Colón; aim: to perpetuate the memory of Columbus and encourage closer relations between the American peoples; open to the public.

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Sociedad de Estudios Afrocubanos: (*Afro-Cuban Folklore Society*): Calle 27, No. 160; f. 1924; Pres. Dr. Fernando Ortiz.

Sociedad del Folklore Cubano (*Cuban Folklore Society*): Calle 27 No. 160; f. 1923; Pres. Dr. Fernando Ortiz; publ. *Archivos del Folklore Cubano.*

Sociedad Económica de Amigos del País: Carlos III 710; f. 1793; library (see under Libraries); 75 mems.; Pres. Dr. A. M. Eligio de la Puente; Sec. Dr. Federico Castillo Pastrana; publs. *Memorias, Revista Bimestre Cubana.*

Sociedad Hispano-Cubana de Cultura (*Spanish-Cuban Cultural Society*): Calle 27, No. 160, Vedado; f. 1926; 500 mems.; Pres. Dr. Fernando Ortiz.

LIBRARIES AND ARCHIVES

Havana

Archivo Histórico Municipal de la Habana (*Municipal Archives of Havana*): Plaza de Catedral; Dir. Dr. Emilio Roig de Leuchsenring.

Archivo Nacional de Cuba (*Cuban National Archives*): Compostela y Velasco; f. 1840; Dir. Orlando Castañeda Escarrá.

Biblioteca Braille para Ciegos de la Asociación Cubana de Ciegos (*Braille Library of the Cuban Association of the Blind*): Carmen 213, Vibora; f. 1935; 250 vols.

Biblioteca Braille-Hauy del Comité pro Biblioteca Pública e Imprenta para Ciegos (*Public Braille Library for the Blind*): Finlay entre Varona y Asunción, Los Pinos; f. 1939; Dir. Zacarías Alvisa; 400 vols.

Biblioteca de la Cámara de Representantes "Martí" (*Library of the Chamber of Representatives*): Capitolio Nacional; f. 1904; Dir. Dr. María J. Beltran; 45,000 vols.; private library.

Biblioteca de la Logia Martires de la Libertad (*Library of the Martyrs for Freedom Lodge*): Castillo 253; f. 1937; Libr. Lorenzo Fernández; 6,107 vols.

Biblioteca de la Sociedad Económica de Amigos del País (*Library of the Economic Society of the Friends of the Country*): Carlos III, 710; 360,000 vols., 350,000 periodicals; collection of Havana newspapers prior to 1878; Librarian Dra. Berta Becerra (*see also* entry under Professional Schools).

Biblioteca del Colegio de Abogados (*Library of the College of Advocates*): Lamparilla 114 esq. Cuba; f. 1880; Dirs. Dr. Gregorio del Real Alonso (Admin.) and Andrés Alonso Sánchez (Technical); 28,000 vols.; publ. *Revista* (quarterly); annual competitions on legal subjects; lectures; private library.

Biblioteca del Colegio de Belén (*Library of the Belén Jesuit College*): Apdo. 221, Marianao; f. 1954; library contains 25,000 vols. in the *Biblioteca General*, 24,000 vols. in the *Biblioteca Cubana*, 18,000 vols. in the *Biblioteca del Observatorio* and 5,000 vols. in the *Biblioteca Hispánica*; Pres. R. Miguel Angel Larrucea, S.J.; Sec. Ricardo Chisholm, S.J.; publ. *Ecos de Belén* (three times a year).

Biblioteca del Consejo Nacional de Tuberculosis "Paulina Aldina" (*Library of the National Council of Tuberculosis*): Calzada de Colombia y Octava, Marianao; f. 1946; Dir. Dr. Ernesto Bello; 5,000 vols., partly for patients' loan service and partly scientific for use of doctors; periodicals library.

Biblioteca del Instituto de Pre-universitario de La Habana (*Library of the Pre-University Institute of Education*): Zulueta y San José; f. 1894; Dir. José Manuel Castellanos Rodiles; 31,262 vols.; rare works dating from 1605; newspaper library.

Biblioteca del Museo de Zoología (*Library of the Zoological Museum*): 13 No. 351, Vedado; Dir. Miguel L. Jaume; 29,500 vols.; publs. *Circulares del Museo de Zoología, Catálogo de los Moluscos de Cuba, Entomología Cubana.*

Biblioteca del Seminario "El Buen Pastor" (*Library of the Buen Pastor Seminary*): Arroyo Arenas; 8,000 vols.

Biblioteca del Senado (*Senate Library*): Capitolio Nacional; f. 1909; 8,000 vols.

Biblioteca General de la Universidad de La Habana (*Havana University Library*): f. 1728; 120,000 vols. and numerous periodicals; there are specialised libraries attached to the Faculties and Laboratories; separate collection of Cuban authors; complete copy of *Historia Física, Política y Natural de la Isla de Cuba*, in Spanish, printed in Paris 1837-57 by Ramón de la Sagra; open to the public; acquired in 1947 the library, Cuban and general, of Dr. Nestor Carbonell y Rivera; Libr. Rubén Martinez Villena.

Subsidiary Libraries of Havana University:

Biblioteca de la Facultad de Agronomía (*Library of the Faculty of Agronomy*): f. 1934; 5,970 vols.

Biblioteca de la Facultad de Ingeniería (*Library of the Faculty of Engineering*): 4,000 vols.

Biblioteca de la Facultad de Medicina (*Library of the Medical Faculty*): 14,118 vols.; about 6,000 medical reviews; publ. *Catálogo General de Revistas.*

Biblioteca de las Facultades de Derecho y Ciencias Sociales de la Universidad de La Habana (*Library of Faculties of Law and Social Sciences, Havana University*): f. 1928 as Biblioteca "Carlos Aguirre y Sánchez", present name 1935; Libr. Dr. Lorenzo Rodríguez Fuentes; 13,167 vols.

Biblioteca del Jardin Botánico (*Library of the Botanical Gardens*): f. 1926; Libr. Héctor Muñoz-Bustamante y Aguirre; 7,994 vols., specialising in botany; open to the public; publ. *Revista de la Sociedad Cubana de Botánica* (quarterly).

Biblioteca de la Sociedad Cubana de Historia Natural "Felipe Poey" (*Library of the Felipe Poey Natural History Society*): Facultad de Ciencias; f. 1913; Dir. Dr. Mar Juárez; publ. *Memorias de la Sociedad Cubana de Historia Natural F. Poey*; private library.

Biblioteca Histórica Cubana y Americana (*Cuban and American Historical Library*): Municipio de La Habana, Oficina del Historiador de la Ciudad; f. 1938; lending library based on the private collections of Emilio Roig de Leuchsenring, Fermín Peraza y Sarausa, Enrique Gay Galbó, Mario Guiral Moreno, Raquel Catalá, José Luciano Franco, Emeterio S. Santovenia, Gerardo Castellanos, Félix Lizaso, Elias Entralgo, Julio Villoldo, Joaquín Llaverías, Federico Córdova, Manuel Bisbé, Roberto Agramonte, Federico Castaneda, Mario Sánchez Roig, and Librería Minerva.

Biblioteca "José Martí" del Instituto Edison (*Library of the Edison Institute*): Milagros y Párraga, Víbora; f. 1938; Libr. Ana María Rodríguez.

Biblioteca "Labra Parajón" del Centro Asturiano de La Habana (*Library of the Asturian Centre of Havana*): San Rafael entre Zulueta y Monserrate; f. 1928; 21,000 vols.

Biblioteca Municipal (*Municipal Library*): Neptuno 817; f. 1920; Dir. Dr. Fermín Peraza Sarausa; two suburban brs. at Santos Suárez and El Cerro; 25,730 vols.; publs. *Memorias*, works on popular culture, bibliographies, indices, etc.

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Biblioteca Nacional "José Martí" (*National Library*): Plaza de la Revolución José Martí; f. 1901; Dir. María Teresa Freyre de Andrade; 800,000 vols., maps, drawings, engravings, records and reproductions. The library includes a Cuban History Research Dept., Music Research Dept., Public Music Dept., Art Reproduction Lending Dept., Rare Book Dept., Library Extension Work Dept., two circulating libraries. Also theatre, exhibition room, accommodation for research workers, laboratory, book deposit. Publs. *Revista de la Biblioteca Nacional, Revista de Música, Colección de Partituras Cubanas, Manuales Técnicos de Bibliotecología.*

Biblioteca Pública Panamericana Habana: Paula 251; f. 1935; *see above*, Sociedad Colombista Panamericana.

Biblioteca "Rafael Ma. de Labra" del Casino Español (*Library of the Spanish Club*): Paseo de Martí 302; 2,000 vols. Spanish, English and French literature.

Matanzas

Biblioteca del Instituto de Segunda Enseñanza de Matanzas (*Library of the Secondary Education Institute*): f. 1898; Librarian Osvaldo E. López Ojeda; 10,000 vols.

Santiago

Asociación "Más Luz": Calle 11, 33; 14,500 vols.

Biblioteca Municipal "Elvira Cape de Bacardí": Calle Aguilera; Libr. José Bofill Cayroll; 10,000 vols.

Government Libraries

Havana

Biblioteca "Alfredo M. Aguayo": Ministerio de Educación, Churruca; f. 1931; Ministry of Education public library; 15,000 vols.; Dir. Asunción Díaz Cuervo.

Biblioteca del Ministerio de Estado (*Library of the Ministry of State*): Capdevila 2; f. 1902; Dir. Joaquín Navaro Rieva; 3,000 vols.

Biblioteca del Ministerio de Agricultura (*Library of the Ministry of Agriculture*): 23 y P, Vedado.

Biblioteca del Ministerio de Hacienda (*Library of the Ministry of Finance*): Cuba y Obispo; Librarian Julio Villoldo.

MUSEUMS

Havana

Departamento de Peces de la Universidad de La Habana (*Ichthyological Dept. of the University of Havana*): recently created; collections based on those of Felipe Poey, in part dating from 1850, and augmented by those deriving from the following scientific expeditions: to the north coast of Cuba by the "Tomás Barrera" in 1914; to Jamaica and the Isle of Pines by Dr. Howell in 1937; along the whole Cuban coast lately undertaken by the Universities of Harvard and Havana.

Museo Nacional (*National Museum*): Palacio de Bellas Artes, Animas entre Zulueta y Monserrate; f. 1913; includes examples of works of art from Egypt, Greece, Rome, Italy (Renaissance and XVII–XVIII centuries), Low Countries, France, England and Spain; an exhibition of Cuban art from the colonial period to the present day is in preparation.

Museo Antropológico Montané (*Anthropological Museum*): Universidad de La Habana; some collections date from 1847; exhibits include objects relating to American and Cuban ethnology, the primitive (pre-discovery) cultures of Cuba and the Antilles, deriving from archæological expeditions; also collections relating to Asia, Africa, Oceania and the Americas; notable collections of Cuban objects connected with ritual, magic, witchcraft, "ñañiguismo" (Cuban Negroes' secret society), folklore, etc.; research facilities available.

Museo Agrícola y Exposición Permanente (*Agricultural Museum*): Ministerio de Agricultura; exhibits show the main products of the country, as well as those devoted to agriculture and mining; Curator Archibald Durland y Nieto.

Museo Cubano de Ciencias Naturales: 13 No. 351, Vedado; Dir. Miguel L. Jaume.

Museo de Arte Popular: Plaza de la Catedral; exhibitions of Cuban and foreign artists.

Museo de Criminología (*Criminology Museum*): Saravia y Zequerira, Cerro.

Museo de Historia Natural (*Natural History Museum*): Calle 48, 1910 Marianaa; f. 1928; library of 20,000 vols.; Dir. M. Sánchez Roig.

Museo del Arte del Siglo XVIII: f. 1962; porcelain, furniture, and other objects of the period.

Museo Historico de las Ciencias Medicas "Carlos J. Finlay" (*Carlos J. Finlay Historical Museum of Medical Science*): 460 Calle Cuba, P.O. Box 70; f. 1962; library of 35,000 vols.; permanent exhibition of items relating to Cuban doctors and history of medicine; Dir. Dr. José López Sanchez.

Museos del Instituto de Segunda Enseñanza (*Museums of the Institute of Secondary Education*): comprise museums of Natural History, Botany, Mineralogy, Grundlach Museum of Zoology and Ornithology, and "Antonio Modesto del Valle Iznaga" Zoological Museum.

Museo José Martí: Leonor Pérez 314; relics of José Martí, his works, iconography and bibliography; f. 1925 by Arturo R. de Carricarte, who purchased the martyr's birthplace to make it a national monument; Curator Manuel I. Mesa Rodriguez.

Museo Napoleónico: f. 1961; paintings, sculptures, furniture, bronzes, porcelain, weapons, clothing and other historical objects and works of art of Revolutionary, Imperial and Directorate France.

Museo Poey (*Poey Museum*): Facultad de Ciencias, Universidad de La Habana; f. 1902; 100,000 exhibits; zoological general collections and Cuban; Dirs. Dr. C. G. Aguayo and Dr. Abelardo Moreno.

Museo "Carlos de la Torre y Huerta" (*Carlos de la Torre y Huerta Museum*): Ave. de Italia entre Lagunas y Animas; natural history and malacology.

Cárdenas

Museo Municipal Oscar M. de Rojas: Plaza de la Libertad; f. 1903; exhibits relating to Martí; library; Curator Oscar M. de Rojas y Cruzat.

Matanzas

Museo Arqueológico Francisco Ximeno (*Archæological Museum*).

Museo Municipal de Mantanzas (*Municipal Museum*): Dir. Dr. Israel M. Moliner.

Pinar del Rio

Museo de Pesca de la Escuela Naval del Mariel (*Museum of Marine Fauna*): Naval Academy, Mariel, Pinar del Río; f. 1943; rare specimens of deep-sea fish; Dir. Luis Howell Rivero, D.S.

Remedios

Museo de Remedios "José María Espinosa": Maceo 32; f. 1933; history, science, and art; Pres. Dr. Carlos A. Martínez-Fortún; Dir. Alberto Vigil y Coloma.

Santiago

Museo Histórico de la Asociación Más Luz (*Historical Museum*).

Museo "Bacardí".

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UNIVERSITIES

UNIVERSIDAD DE LA HABANA

SAN LAZARO Y L, VEDADO,
HAVANA
Telephone 7-1078
Founded 1728

The University was reorganised in 1863, 1943 and 1960.

Rector: Dr. JUAN MARINELLO VIDAURRETA.
Registrar: ENRIQUE VALDES.
Librarian: RUBEN MARTINEZ VILLENA.

Number of teachers: 682.
Number of students: 13,430.

Publications: *Universidad de la Habana, Boletin Oficial Universitario, Vida Universitaria, Biblioteca de Autores Cubanos,* and others not periodically.

DEANS:

Faculty of Humanities: Dr. ELIAS ENTRALGO.
Faculty of Medicine: Dr. ROBERTO GUERRA.
Faculty of Technology: Ing. DIOSDADO PEREZ FRANCO.
Faculty of Agropecuarian Science: Dr. ENRIQUE GIMÉNEZ LOPEZ.
Faculty of Science: Dr. JOAQUIN MELGAREJO.

UNIVERSIDAD DE ORIENTE

PATRICIO LUMUMBA S/N,
SANTIAGO DE CUBA, ORIENTE
Telephone: 4262 and 7977
Founded 1947

Rector: Dr. JOSÉ ANTONIO PORTUONDO VALDOR.
Administrative Secretary: Dr. GUILLERMO INFANTE ANTÚNEZ.

Number of teachers: 200.
Number of students: 2,855.

Publication: *La Joven Vanguardia* (review), etc.

DEANS:

Faculty of Humanities: Dr. FRANCISCO PRAT PUIG.
Faculty of Technology: Ing. JOAQUÍN MARINELLO MARINELLO.
Faculty of Sciences: Dr. LUIS ESTÉVEZ MACKENN.
Faculty of Medicine: Dr. CARLOS MIRABAL BAHR.

UNIVERSIDAD CENTRAL DE LAS VILLAS

CARRETERA A CAMAJUANI,
SANTA CLARA, L.V.
Telephone: 4581
Founded 1948

Rector: Dr. SILVIO DE LA TORRE GROVAS.
Registrar: RAMON SAUCEDO COMPANIONI.
Librarian: Dr. JOSE SAINZ TRIANA.

Number of teachers: 201.
Number of students: 3,821.

Publications: numerous non-periodical publications.

DEANS:

Faculty of Technology: Arq. JUSTO I. PEREZ DIAZ.
Faculty of Agropecuarian Studies: Ing. ANTONIO ALONSO TRIANA.
Faculty of Science: Ing. OSVALDO MIER ALONSO.
Faculty of Humanities: Dr. EDUARDO GARCIA DEL COTO.

SCHOOLS OF ART AND MUSIC AND PROFESSIONAL SCHOOLS

Havana

Academia Municipal de Artes Dramáticas: 23 Street, No. 1003, Vedado.

Conservatorio de Música "C. A. Peyrellade" (*Academy of Music*): Dir. JUANA VALLES DE PÉREZ GOÑI.

Conservatorio Municipal de Música (*Municipal Academy of Music*).

Escuela Nacional de Bellas Artes "San Alejandro" (*National School of Fine Arts*): Dragones 308; f. 1818 as Academia de San Alejandro; formerly Escuela de Pintura, organised by the French painter, Jean Baptiste Vermay; 800 students; Dir. DOMINGO RAMOS ENRÍQUEZ; affiliation:

Escuela Elemental de Artes Plásticas Aplicadas (*School of Applied Plastic Arts*).

Havana Business University: Linéa 357–361, Vedado; f. 1947; languages, commerce.

Prometeo: School of Dramatic Art.

Sociedad Economica de Amigos del País. Escuela Cubana de Bibliotecarios (*Cuban Library School*): Carlos III No. 710; f. 1950; Dir. Dra. BERTA BECERRA.

Number of staff: 10.
Number of students: 16.

Teatro Estudio (*Dramatic Art*): Neptuno Street.

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CYPRUS

Population 578,407

LEARNED SOCIETIES

British Council, The: P.O. Box 371, Nicosia; Rep. BRIAN JONES; library, *see below.*

Etaireia Kypriakon Spoudon (*Society of Cyprus Studies*) P.O. Box 34, Nicosia; f. 1936; aims: the collection, preservation and study of material concerning all periods of the history, dialect and folklore of Cyprus, and the organisation of popular art there; the Society maintains a Museum of Cypriot Folk Art; Pres. Dr. K. SPYRIDAKIS; Vice-Pres. K. MYRIANTHOPOULLOS; Sec. and Librarian G. PAPACHARALAMBOUS; Treas. TH. SOPHOCLEOUS; library 1,000 vols.; 250 mems.; publ. *Kypriakai Spoudai* (Cyprus Studies) 1937.

Goethe Institute: next to the Ledra Palace, Nicosia.

LIBRARIES

British Council Library: 17 Larnaca Road, Nicosia; f. 1940, re-established 1955; 11,000 vols.; Librarian G. GLAISTER.

Cyprus Public Library: Nicosia; f. 1926 as a private institution with a Government grant, reorganised 1938; now run by the Municipality; Librarian M. BISTIS.

Library of the Archbishopric: P.O. Box 50, Nicosia; f. 1821; 5,000 vols.; Librarian Prof. ANDREAS N. MITSIDES.

Library of the Educational Academy (Teachers' Training College): Nicosia; 15,000 vols. Greek and English; Librarian COSTAS D. STEPHANOU.

Library of Phaneromeni: P.O. Box 237, Nicosia; f. 1934, 16,000 vols.; Librarian CONSTANTINE HADJIPSALTIS.

Library of the Pan-Cyprian Gymnasium: P.O. Box 34, Nicosia; f. 1927; 28,000 vols.; Librarian G. N. ROSSOS.

Library of the Cyprus Museum: P.O. Box 448, Nicosia; f. 1883; incorporated in Dept. of Antiquities 1934; 6.000 vols.; Librarian D. Y. DANIEL.

Municipal Library: P.O. Box 41, Famagusta; f. 1954; reference and lending section, an educational films projecting section and art gallery (The Famagusta Municipal Art Gallery); 10,000 vols.; Librarian and Curator G. PH. PIERIDES.

Sultan's Library: Nicosia; f. by Sultan Mahmud II; collection of Turkish, Persian and Arabic books.

Turkish Public Library: 49 Mejediye Street, Nicosia; f. 1955; about 2,000 vols.; Librarian Mrs. HATICE HÜSSEYIN.

There are also Municipal Libraries in Limassol and Paphos.

MUSEUMS

Cyprus Museum, The: P.O. Box 448, Nicosia; f. 1883; inc. in Dept. of Antiquities 1934; Dir. Curator V. KARAGEORGHIS.

The Cyprus Museum displays (1) pottery from the Neolithic and Chalcolithic periods to the Roman Age, and a small collection of medieval pottery; (2) terracotta figures of the first millennium B.C. to Roman times; (3) limestone and marble sculpture from the Archaic to the Roman Age; (4) jewellery from the Bronze Age, and expecially the Mycenæan period (1400-1200 B.C.) to early Byzantine times, and coins from the sixth century to Roman times; (5) miscellaneous collections, including inscriptions (Phoenician, Cypriot and Greek), bronzes, glass, alabaster, bone, etc. An interesting feature is the room of reconstructed tombs. Extensive reserve collections are available for students. Medieval objects are temporarily housed in annexes.

An archæological library (*see above*) is housed in the Cyprus Museum building and is open to students.

Publs. *A Guide to the Cyprus Museum* (in English and Greek), *Report of the Department of Antiquities, Annual Report of the Director of Antiquities.*

Folk Art Museum: P.O. Box 34, Nicosia.

Lapidary Museum: Nicosia; mediæval tombstones, marble lintels, carved stones of palaces, churches, etc.

Museum of Byzantine Icons: Nicosia; belongs to the Church; collections of icons from 11th century onward.

District Museums: Limassol, Larnaca and Paphos, and local museums in Famagusta, Episkopi (Curium) and Kouklia (Old Paphos).

COLLEGES

Educational Academy (*Teachers' Training College*): Nicosia; Dir. Dr. VRIXOS VRACHAS.

Technical Institute: Nicosia; courses in machine shop-fitting and turning, blacksmithing, welding and sheet-metal work, motor vehicle repair, electrical installation and radio and television mechanics; separate Building Trades Dept.

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CZECHOSLOVAKIA

Population 13,776,332

ACADEMIES

ČESKOSLOVENSKÁ AKADEMIE VĚD
(Czechoslovak Academy of Sciences)

NÁRODNÍ TŘ. 3, PRAGUE I

Founded 1952.

President: Academician FRANTIŠEK ŠORM.

Vice-Presidents: Acad. DIONÝZ BLAŠKOVIČ, Acad. JAROSLAV KOŽEŠNÍK, Acad. IVAN MÁLEK, Acad. LADISLAV ŠTOLL.

General Secretary: Corres. Mem. JAROSLAV PLUHAŘ.

Members of the Presidium: Acad. JAN FILIP, Acad. JOSEF MACEK, Acad. JOSEF NOVÁK, Acad. VLADIMÍR PROCHÁZKA, Acad. ŠTEFAN SCHWARZ, Corres. Mem. KAROL ŠIŠKA, Corres. Mem. MILOŠ GOSIOROVSKÝ, Corres. Mem. BOHUMÍR ROSICKÝ, Corres. Mem. MIROSLAV TRLIFAJ.

Publs. include: *Acta technica, Acta virologica* (English and Russian edition), *Aplikace matematiky, Archeologické rozhledy, Archiv orientální, Biologia Plantarum, Bjulleten astronomičeskich institutov Čechoslovakii, Bulletin of the Astronomical Institutes of Czechoslovakia, Byzantinoslavica, Collection of Czechoslovak Chemical Communications, Časopis cs. společnosti entomologické, Časopis pro mineralogii a geologii, Časopis pro mezinárodní právo, Časopis pro pěstováni matematiky, Čechoslovackij fizičeskij žurnal, Czechoslovak Journal of Physics, Čechoslovackij matematičeskij žurnal, Czechoslovak Mathematical Journal, Črská literatura, Česká mykologie, Československa fysiologie, Československá morfologie, Československá psychologie, Československá rusistika, Československý časopis historický, Československy časopis pro fysiku, Český lid, Filosofický časopis, Folia biologica, Folia microbiologica, Chemické listy, Lidé a země, Listy filologické, Naše řeč, Nový orient, Památky archeologické, Pedagogika, Philologia Pragensia, Philologica, Physiologia bohemoslovenica, Pokroky matematiky, fysiky a astronomie, Politická ekonomie, Právník, Preslia, Rospravy, Československé akademie věd, Sborník Čs. společnosti zeměpisné, Silikáty, Slavia, Slezský sborník, Slovansky Prehled, Slovo a slovesnost, Studia geophysica et geodaetica, Umění, Věsmír, Vestník Československé akademie věd, Věstník Čs. společnosti zoologické, Zdravotní technika a vzduchotechnika, Zoologické listy, Živa.*

ACADEMICIANS:

BECHYNĚ, STANISLAV.
BĚHOUNEK, FRANTIŠEK.
BLAŠKOVIČ, DIONYZ.
BLATTNÝ, CTIBOR.
BRDIČKA, RUDOLF.
BURIÁN, FRANTIŠEK.
BYDŽOVSKY, BOHUMIL.
ČECHURA, FRANTIŠEK.
CHARVÁT, JOSEF.
CHLUP, OTOKAR.
DAŠEK, VÁCLAV.
DOBIÁŠ, JOSEF.
EISNER, JAN.
ETTEL, VIKTOR.
FILIP, JAN.
HACAR, BEDŘICH.
HAMSÍK, ANTONÍN.
HAVRÁNEK, BOHUSLAV.
HELLER, BEDŘICH.
HENNER, KAMIL.
HEYROVSKÝ, JAROSLAV.
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JAREŠ, VOJTĚCH.
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KURZ, JAROMÍR.
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KOLOUŠEK, VLADIMÍR.
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NEKOLNÝ, JAROSLAV.
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Svoboda, Jaroslav.
Svoboda, Josef.
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Štajgr, František.
Štefec, Rudolf.
Štoll, Čestmír.
Tauc, Jan.
Teindl, Josef.
Tesař, Václav.
Trlifaj, Miroslav.
Trnka, Zdeněk.
Vachtl, Josef.
Vána, Josef.
Vančura, Zdeněk.
Vaněček, Václav.
Vitásek, František.
Vodička, Felix.
Votruba, Václav.
Vyskot, Jaroslav.
Wheeler, George Shaw.
Wenig-Malovský, Arnošt.
Wollman, Frank.
Zachoval, Ladislva.
Záruba, Quido.
Zátopek, Alois.

Foreign Members:

Bernal, John Desmond.
Blagonravov, Anatolii Arkadjevitch.
Hertz, Gustav.
Keldysh, Mstislav Vsevolodovitch.
Kuo Mo Jo.
Lavrentiev, Mikhail Alexeyevitch.
Manninger, Rezsö.
Nesmejanov, Alexander Nikolayevitch.
Ostrovitanov, Constantin Vasilievitch.
Parhon, Constantin.
Pavlov, Todor.
Pavlovskii, Jevgenii Nikanorovitch.
Sir Raman, Chandrasekhara Venkata.
Rusnyak, Ištván.
Rybakov, Boris Alexandrovitch.
Sierpiński, Wacław.
Skrjabin, Constantin Ivanovitch.
Thompson, George.

Section I

MATHEMATICAL, PHYSICAL AND TECHNICAL SCIENCES

Scientific Collegium of Mathematics.

Institute of Mathematics: Prague.
Department of Mathematics: Bratislava.

Scientific Collegium of Astronomy, Geophysics, Geodesy and Meterology.

Astronomical Institute: Prague.
Astronomical Institute: Bratislava.
Institute of Geophysics: Prague.
Geophysical Laboratory: Bratislava.
Meteorological Laboratory: Prague.

Scientific Collegium of Physics.

Institute of Physics: Prague.
Institute of Physics: Bratislava.
Institute of Solid State Physics: Prague.
Institute of Instrument Engineering: Brno.
Laboratory of Optics: Prague.

Scientific Collegium of Nuclear Research.

Institute of Nuclear Research: Prague.
Institute of Vacuum Electronics: Prague.

Scientific Collegium of Geology and Geography.

Institute of Geology: Prague.
Institute of Geochemistry and Mineral Raw Materials: Prague.
Geographical Institute: Brno and Prague.
Geographical Institute: Bratislava.
Geological Laboratory: Bratislava.

Scientific Collegium for Materials Research.

Metallurgical Research Institute: Prague.
Laboratory of Metal Physics: Bratislava.
Laboratory for Metallurgical Technology: Košice.
Institute of Research in the Properties of Metals: Brno.

Scientific Collegium of Power Engineering.

Institute of Electrical Engineering: Prague.
Laboratory of Power Engineering: Bratislava.

Scientific Collegium of Automation and Electronics.

Institute of Radio-Engineering and Electronics: Prague.
Institute of Machines and Automation: Bratislava.
Institute of Information Theory and Automation: Prague.
Electrotechnical Laboratory: Bratislava.
Institute of Measuring Instruments: Bratislava.

Scientific Collegium of Mechanics.

Mining Research Institute: Prague.
Institute of Hydrodynamics: Prague.
Institute of Hydrology ahd Hydrotechnics: Bratislava.
Institute of Machinery Research: Prague.
Institute of Building and Architecture: Bratislava.
Institute of Theoretical and Applied Mechanics: Prague.
Mining Research Institute: Košice.

Section II

CHEMICAL AND BIOLOGICAL SCIENCES

Scientific Collegium of Physical, Inorganical and Analytical Chemistry.

Institute of Polarography: Prague.
Institute of Inorganic Chemistry: Prague.
Institute of Inorganic Chemistry: Bratislava.
Institute of Physical Chemistry: Prague.
Laboratory for Gas Analysis: Brno.
Laboratory for Chemistry and Technology of the Silicate: Prague.

Scientific Collegium of Chemical Process Fundamentals.

Institute of Macromolecular Chemistry: Prague.
Institute of Chemical Fundamentals: Prague.
Polymer Laboratory: Bratislava.

Scientific Collegium of Organic Chemistry and Biochemistry.

Chemical Institute: Bratislava.
Institute of Organic Chemistry and Biochemistry: Prague.
Pharmacological Institute: Prague.

Scientific Collegium of General Biology.

Institute of Biophysics: Brno.
Institute of Microbiology: Prague.
Institute of Experimental Biology and Genetics: Prague.
Institute of Virology: Bratislava.
Izotope Laboratory: Prague.
Laboratory of Electron Microscopy and Experimental Morphology: Prague.
Laboratory of Radiobiology: Bratislava.

Scientific Collegium of Special Biology.

Institute of Biology: Bratislava.
Botanical Institute: Prague and Brno.
Botanical Institute: Bratislava.
Institute of Entomology: Prague.
Institute of Helmintology: Košice.
Institute of Parasitology: Prague.
Institute for Landscape Protection and Projection: Prague.
Arboretum: Mlyňany.
Botanical Garden: Prague.
Laboratory of the Study of Vertebrae: Brno.

Scientific Collegium of Physiology and Medical Sciences.

Institute of Physiology: Prague.
Institute of Endocrinology: Bratislava.
Institute of Experimental Medicine: Bratislava.

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Laboratory of Physiology and Patho-Physiology of the Optical Analyser: Prague.
Laboratory of Graphic Diagnostics: Prague.
Laboratory of Otorhinolaryngology: Prague.
Laboratory of Plastic Surgery: Prague.

Scientific Collegium of Agricultural Sciences.
Institute of Experimental Botany: Prague and Brno.
Laboratory of Animal Physiology and Genetics: Uhříněves.
Institute of Experimental Phytopathology and Entomology: Ivanka pri Dunaji.

SECTION III

SOCIAL SCIENCES

Scientific Collegium of History.
Archæological Institute: Prague and Brno.
Archæological Institute: Nitra.
Czechoslovak-Soviet Institute: Prague.
Czechoslovak-Soviet Institute: Bratislava.
Institute of History: Prague and Brno.
Institute of History: Bratislava.
Institute of Etnography and Folklore: Bratislava.
Oriental Institute: Prague 1, Lázeňská 4; f. 1922.
Silesian Institute: Opava.
Slavonic Institute: Prague 1, Valentinská 1; f. 1922.
Slavonic Institute: Brno.
Institute of Etnography and Folklore: Prague and Brno.
Department of Oriental Studies: Bratislava.
Department of Greek, Roman and Latin Studies: Prague.

Scientific Collegium of Philosophy.
Institute of Philosophy: Prague.
Institute of Philosophy: Bratislava.

Scientific Collegium of Economics.
Institute of Economics: Prague.
Institute of Economics: Bratislava.

Scientific Collegium of Legal Sciences.
Institute of Law: Prague.
Institute of Law: Bratislava.

Scientific Collegium of the Theory and History of Arts.
Institute of Musicology: Prague.
Institute of Musicology: Bratislava.
Czech Literature Institute: Prague and Brno.
Institute for Theory and History of Arts: Prague.
Slovak Literature Institute: Bratislava.
Modern Philology Department: Prague.
Department for the Study of Zdeněk Nejedlý's Scientific Work: Prague.
Department of the Theory and History of Arts: Bratislava.

Scientific Collegium of Pedagogy and Psychology.
J. A. Comenius Institute of Pedagogy: Prague.
Laboratory of Psychology: Bratislava.

Scientific Collegium of Philology.
Czech Language Institute: Prague and Brno.
Slovak Language Institute: Bratislava.
Chair of Languages: Prague.

GENERAL INSTITUTIONS OF THE CZECHOSLOVAK ACADEMY OF SCIENCES

Archives of the Czechoslovak Academy of Sciences: Prague.
Encyklopaedic Institute: Prague.
Publishing House: Prague.
Patent Department: Prague.
Institute for Planning of Science: Prague.
Secretariat of the Hanzelka-Zikmund Expedition: Prague.
Development Workshops: Prague.
Main Library: Prague.
Executive Office of the Presidium: Prague.

SLOVENSKÁ AKADÉMIA VIED
(Slovak Academy of Sciences)

UL. OBRANCOV MIERU 41, BRATISLAVA

Founded 1953; since 1960 a part of the Czechoslovak Academy of Sciences.

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Deputy Chairmen: Acad. ŠTEFAN SCHWARZ, Acad. KAROL ŠIŠKA, Acad. ANDREJ SIRÁCKY.
General Secretary: Corres. Mem. MILOŠ GOSIOROVSKY.

Members of the Presidium: Acad. LADISLAV CIGÁNEK, Acad. OTO DUB, Corres. Mem. JÁN GONDA, Corres. Mem. PAVOL NEMEC.

Publications: *Svet vedy, Matematicko-fyzikálný časopis, Chemické zvesti, Geologický sborník, Geografický časopis, Biológia, Bratislavské lekárske listy, Neoplasma, Kovové materiály, Elektrotechnocký časopis, strojnícky časopis, Stavebnícky časopis, Vodohospodársky časopis, Slovenská reč, Jazykovedný časopis, Čs. erminologický časopis, Otázky marxistickej filosofie, Historický časopis, Slovenská archeológia, Slovenská literatúra, Slovenský národpis, Slovenské divadlo, Ekonomický časopis, Právnické štúdie, Právný obzor, Polnohospodárstvo, Veterinársky časopis, Lesnický časopis.*

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CIGÁNEK, LADISLAV.
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SECTION I

MATHEMATICAL AND PHYSICAL SCIENCES

RESEARCH INSTITUTES

Astronomical Institute (*Astronomický ústav*): Bratislava.

Astronomical Observatory (*Astronomické observatórium*): Skalnaté Pleso, Tatranská Lomnica.

Chemical Institute (*Chemický ústav*): Bratislava.
Institute of Wood, Cellulose and Artificial Fibres (*Ústav dreva, celulózy a chemických vláken*).
Institute of Inorganic Chemistry (*Ústav anorganickej chémie*).

Geographical Institute (*Geografický ústav*): Bratislava.

Geological Laboratory (*Geologické laboratórium*): Bratislava.

Geophysical Laboratory (*Geofyzikálne laboratórium*): Bratislava and Hurbanovo.

Physical Laboratory (*Laboratorium fyziky*): Bratislava.

Department of Mathematics (*Kabinet pre matematiku*): Bratislava.

Meteorological and Climatological Laboratory (*Laboratórium meteorológie a klimatológie*): Bratislava.

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SECTION II

BIOLOGICAL AND MEDICAL SCIENCES

RESEARCH INSTITUTES

Institute of Biological Sciences (*Biologický ústav*): Bratislava.

Institute of Experimental Medicine (*Ústav experimentálnej medicíny*): Bratislava.

Arboretum: Mlyňany.

Institute of Helminthology (*Helmintologicky Ústav*): Košice.

Institute of Endocrinology (*Endokrinologický ústav*): Bratislava.

SECTION III

TECHNICAL SCIENCES

RESEARCH INSTITUTES

Electrotechnical Laboratory (*Elektrotechnické laboratórium*): Bratislava.

Institute of Building and Architecture (*Ústav stavebníctva a architektúry*): Bratislava.

Institute of Hydrology and Hydrotechnics (*Ústar hydrológie a hydrotechniky*): Bratislava.

Laboratory of Measuring Instruments (*Laboratórium meracích prístrojov*): Bratislava.

Laboratory of Power Engineering (*Laboratórium energetiky*): Bratislava.

Institute of Machines and Automation (*Ústav strojov a automatizácie*): Bratislava.

Institute of Metal Physics (*Ústav fyziky korov*): Bratislava

Metallurgical Laboratory (*Laboratórium husníctva*): Kosice.

Laboratory of Mining Technology (*Laboratórium pre baníckťvo*): Košice.

SECTION IV

SOCIAL SCIENCES

RESEARCH INSTITUTES

Cabinet of Legal Sciences (*Kabinet právnych vied*): Bratislava.

Department of the Theory and History of Arts (*Kabinet téorie a dejín umenia*): Bratislava.

Institute of the Russian Language, Literature and History of the U.S.S.R. (*Čs.-sovietsky inštitút*): Bratislava.

Institute of Archæology (*Archeologický ústav*): Nitra.

Institute of Economics (*Ekonomický ústav*): Bratislava.

Institute of Ethnography and Folklore (*Ndrodopisný ústav*): Bratislava.

Institute of History (*Historický ústav*): Bratislava.

Institute of Philosophy (*Filozofický ústav*): Bratislava.

Laboratory of Psychology (*Psychologické laboratórium*): Bratislava.

Institute of Slovak Literature (*Ústav slovenskej literatúry*): Bratislava.

Institute of the Science of Music (*Ústav hudobnej vedy*): Bratislava.

Institute of the Slovak Language (*Ústav slovenského jazyka*): Bratislava.

Department of Oriental Studies (*Kabinet orientalistiký*): Bratislava.

Department of Encyclopaedic Studies (*Encyklopedický kabinet*): Bratislava.

CESKOSLOVENSKÁ AKADEMIE ZEMĚDĚLSKÝCH VĚD
(Czechoslovak Academy of Agricultural Sciences)

SLEZSKÁ 7, PRAGUE II.

Established by the National Assembly of Czechoslovakia in 1952.

Full members: 17 Academicians, 56 Corresponding Members, 13 Honorary Members.
Sections: Plant Production, Animal Production, Agricultural Mechanisation, Agricultural Economics, Agriculture and Forestry Amelioration, Forestry, Veterinary Medicine.
Other departments: Institute of Scientific and Technical Information (including Central Agriculture and Forestry Library), Central Commission for the use of Atomic Energy in Agriculture and Forestry.

President: Acad. ANTONÍN KLEČKA, D.SC. AGRIC.
Scientific Secretary: Corresp. Mem. FRATIŠEK KORD, Ing. AGRIC.

Chief Publications; *Sborník ČSAZV* (in six series: *Rostlinná výroba, Živočišná výroba, Veterinární medicina, Lesnictví, Zemědělská ekonomika* (all monthly); *Zemědělská technika* (six times a year); *Prehled lesnické a myslivecké literatury* (monthly); *Prehled zemědělské literatury zahraniční i domácí* (monthly); publs. for foreign circulation (in Russian); *Za socialističeskuju selskochozjajstvennuju nauku* (monthly), also in German, French and English); *Selskochozjajstvennaja literatura Čechoslovakii* (quarterly, also in German and English).

SOCIETIES AND RESEARCH INSTITUTES

See also Czechoslovak Academy of Sciences

THE ARTS

Český spolek pro komorní hudbu (*Czechoslovak Society for Chamber Music*): Prague, Barrandov 327; f. 1894; 3,500 mems.; Chair. Dr. V. ČELAKOVSKÝ.

Divadelní ústav (*Theatre Institute*): Prague I, Malá Strana, Valdštejnské nam. 3; f. 1956; research and documentation on theatre history and development; Czechoslovak Centre of the International Theatre Institute (I.T.I.).

Hollar skupina československých umělců grafiků (*Society of Czechoslovak Graphic Artists*): Prague, Smetanovo nábrezí 6; f. 1917; 82 mems.; Sec. Fr. R. ČEBIŠ; publ. *Hollar* (Review of Graphic Arts; quarterly).

Matice moravská (*Moravian Society of History and Literature*): Brno, Gorkého 14; f. 1849; 560 mems.; Pres. Doc. Dr. BEDŘICH ŠINDELÁŘ; publ. *Sborník Matice moravské* (annually).

Moravske kolo spisovatelů (*Society of Moravian Authors*): Brno, Domini kánské nám. 2; Pres. JAROSLAV MARCHA.

Ochranné sdružení výkonných umělců (*Association for the Protection of Performing Artists' Rights*): Prague I, Staromestske 12; f. 1955; Chair. PŘEMYSL KOČÍ; Dir. Dr. V. ČELAKOVSKY.

Osvětovy ústav (*Institute for Adult Education*): Prague 2, Blanická 4; f. 1906 as Union of Culture, in 1925 became the Masaryk Institute for People's Education, is today an institution of the Ministry of Education and Culture, and organises adult education, and cultural research. *See also* entry under Libraries.

Svaz československých skladatelů (*Guild of Czechoslovak Composers*): Prague I, Valdštejnské nám. 1; organisation of composers, musicologists and instrumentalists; publs. *Hudební rozhledy* (Music Magazine; fortnightly), *Slovenská Hudba* (Music Magazine; monthly).

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Svaz československých spisovatelů (*Union of Czechoslovak Writers*): Prague I, Národní 11; 572 mems.; publs. *Plamen* (Flame; monthly), *Literární noviny* (Literary News; weekly), *Kultúrny život* (Cultural Life; weekly), *Slovenské pohl'ady* (Slovakian Views; monthly), *Host do domu* (The Visitor; monthly), *Mladá tvorba* (Young Creation; monthly).

Svaz československých výtvarných umělců (*Union of Czechoslovak Artists*): Prague I, Nové Město, Gottwaldovo náb. 250; Pres. Prof. Josef Malejovský.

Umělecká beseda (*Artists' Circle*): Besední 3, Prague I-Malá Strána; f. 1863; Pres. Ladislav Vycpálek.

Science

Československá botanická společnost (*Botanical Society of Czechoslovakia*): Prague II, Benátská 2; f. 1912; 530 mems.; Chair. Prof. Dr. F. A. Novák; Sec. Dr. Frant. Starý; publ. *Preslia* (quarterly).

Československá společnost zeměpisná (*Czechoslovak Geographical Society*): Prague II, Albertov 6; f. 1894; Pres. Prof. Dr. Y. Korčák; Sec. Doz. Dr. M. Riedlová; brs. in Prague, Brno, Opava, Prešov, Plzeň, Ústí, Lipt. Mikuláš and Bratislava; publs. *Sborník československé společnosti zeměpisné* (quarterly journal). *Geografický časopis* (Geographical Review, quarterly) Bratislava.

Farmakologická spolecnost, sekce Cs lékarské spolecnostti J.E. Purkyně (*Pharmacological Society, Section of Czechoslovac Medical Society J. E. Purkyně*): Prague 3, Kouřimská 17; f. 1959; 180 mems.; Pres. Prof. Dr. H. Rašková; Sec. Prof. Dr. Z. Votava.

Fysiologická společnost, sekce Čs lékařské společnosti J.E. Purkyně (*Physiological Society, Section of Czechoslovak Medical Society, J.E. Purkyně*): Prague 6, Na Cvičišti 2; f. 1950; 420 mems.; Pres. Doc. Dr. E. Gutmann; Sec. Dr. O. Hudlická.

Hydrometeorologický ústav (*Hydrometeorological Institute*): Prague XVI, Holeckova 8; Dir. J. Zítek; publs. *Annuals of Meteorological Observations and Records of Instruments at Prague, Lomnický Stít, Hurbanovo and other meteorological stations, Atmospheric precipitations on the Czechoslovak Socialist Republic, Hydrological Yearbook, Transactions, Meteorologické zprávy* (Bulletin).

Jednota československých matematiků a fysiků (*Czechoslovak Mathematical and Physical Society*): Prague-Malá Strana Maltézské 1; f. 1862; library of 32,000 vols.; Pres. Fr. Kahuda; Sec. F. Běloun; publs. *Pokroky matematiky, fysiky a astronomie.*

Mikrobiologická společnost československá (*Czechoslovak Society for Microbiology*): Prague XII, Šrobárova 48.

Národopisná společnost československá (*Czechoslovak Ethnographic Society*): Prague I, Malá Strana, Všehrdova 2; f. 1893; 300 mems.; Pres. Dr. Karel Dvořák; Sec. Dr. Ladislav Holy.

Státní ústav pro kontrolu léčiv (*State Institute for the Control of Drugs*): Prague 10, Šrobárova tř. č. 48; Dir. Ing. J. Buriánek.

Úřad pro normalizaci a měření (*Office for Standards and Measurements*): Prague I, Václavské nám. 19; Pres. Frant Křovina; publs. *Normalizace, Meřová Technika, Úřad pro Normalizaci a Meření* (monthly).

Ústav epidemiologie a mikrobiologie (*Institute of Epidemiology and Microbiology*): Prague 10, Šrobárova 48; Dir. Prof. K. Raška, M.D., D.SC.

Ústav hygieny (*Institute for Hygiene*): Prague X, Šrobárova 48; Dir. Dr. K. Symon, M.D.

Ústřední úřad státní kontroly a statistiky (*Central Office of State Control and Statistics*): Prague VIII, Invalidovna; f. 1919; Pres. Minister Mr. Pavel Majling; publs. *Statistical Reports, Statistical Yearbook of Czechoslovakia, Position of Czechoslovakia in the world economy, Demographic Yearbook of Czechoslovakia*, etc. (irregularly).

Ústředni ústav geologický (*Geological Survey Institute*): Prague I, Malostranské náměstí 19; f. 1919; library of 78,500 vols.; Dir. Dr. K. Žebera; publs. *Sborník* (Geology-Palæontology, annual), *Věstník* (six times a year), *Rozpravy* (Palæontological monographs), *Geotechnica* (Economic Geology), *Knihovna* (Geological Monographs), *Anthropozoikum, Mineralogicko-geologistá bibliographie ČSSR.*

Vojenský zeměpisný ústav (*Military Geographical Institute*): Prague XIX, Rooseveltova 23; f. 1919.

Ústav pro výzkum, výrobu a využití radioisotopů (*Institute for Research Production and Uses of Radioisotopes*): Prague 7, Přístavní 24; f. 1923; Dir. J. Hokr; publs. monographs.

Výzkumný ústav vodohospodářský (*Hydraulic Research Institute*): Prague 6, Podbaba; f. 1920; Dir. Ing. Josef Slabý; research into hydrology, applied hydraulics, water pollution, water supply; publ. *Práce a studie, Bibliography of Hydrology.*

Výzkumný ústav Zemědělské ekonomiky (*Institute of Agricultural Economics*): Prague 2, Mánesova 75; f. 1912; 150 mems.; library 20,000 vols.; Dir. Doc. dr. Jan Krblich; publ. *Reports.*

Zoologická společnost československá (*Czechoslovak Zoological Society*): Prague II, Viničná 7; f. 1927; 191 mems.; Sec. K. Novák; publ. *Acta Societatis Zoologicae Bohemoslovenicae* (quarterly).

LIBRARIES

Prague

Knihovna Archeologického ústavu ČSAV (*Library of the Archaeological Institute of the Czechoslovak Academy of Sciences*): Prague III, Letenská 4; 21,000 vols.

Knihovna Husova domu (*Hus House Library*): Prague I, Jungmannova 9; Central Library of the Evangelical Church, containing books on religious subjects.

Knihovna yednoty československých matematiků a fysiků (*Library of the Czechoslovak Mathematical and Physical Society*): Prague, Prague-Malá Strana Maltézské 1; 32,000 vols.; Librarian Vl. Kořínek.

Knihovna Komenského fakulty (*Library of Comenius Faculty of Theology*): Prague I, Jungmannova 9.

Knihovna Národního musea (*National Museum Library*): Prague I, Václavské nám. 1700; f. 1818; *c.* 1,200,000 vols.; Departments of Bohemian literature, Exchange Service, historical libraries of Bohemian and Moravian castles, Archives and Periodicals.

Knihovna Národního technického musea (*National Technical Museum Library*): Prague VII, Kostelní 42; f. 1835; 240,000 vols.; Chief Librarian J. Škop.

Knihovna Orientálního Ústavu Československé Akademie Věd (*Library of Oriental Institute of Czechoslovak Academy of Sciences*): Prague 1, Malá Strana, Lázeňská 4; Chinese library of 57,662 vols.; general library of 70,295 vols.

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Knihovna Osvětového ústavu (*Library of the Adult Education Institute*): Prague 2, Vinohradská 2; f. 1925; 27,000 vols. on adult education; Librarian DAGMAR MACHÁČKOVÁ.

Knihovna Umělecko-průmyslového musea (*Library of the Museum of Industrial Art*): Prague 1, Ulice 17, listopadu 2; f. 1887; 87,334 vols.; Librarian Dr. DAGMAR TUČNÁ.

Knihovna Ústředního ústavu geologického (*Geological Institute Library*): Prague I, Hradební 9; f. 1919; 83,000 vols.

Knihovna Bedřicha Smetany (*Bedřich Smetana Library*): Prague I, Dr. V. Vacka 1; f. 1893; Musical dept. of Public City Library; 136,000 vols.; Dir. Dr. ANNA JIRÁSKOVÁ.

Městská lidová knihovna (*Public City Library*): Prague I, nám. Dr. V. Vacka 1; f. 1891; 57 brs. for adults; 53 for children, 10 for juveniles, and 2 travelling libraries; 1,327,000 vols., music, theatre, and film sections and study-rooms; Dir. Dr. RUDOLF MÁLEK.

Státní knihovna Československé socialistické republiky (*State Library of the Czechoslovak Socialist Republic*): Prague I, Klementinum; f. 1962 by merger of libraries listed below; 3,331,666 vols.; central research library of Czechoslovakia, agent for Czechoslovak International Exchange Service, national centre for restoration of books; collection of microfilms; Dir. Dr. JOSEF VINÁREK; publs. *Bibliografický katalog ČSSR* (weekly); *Česká bibliografie* (bi-annually); *Novinky literatury* (monthly); *Ročenka Universitní knihovny* (annually); *Novinky knihovnické literatury* (quarterly).

Národní knihovna (*National Library*): f. 1925; archives of Czech and Slovak literature, bibliographical institute; Dir. Dr. JAROSLAV KUNC.

Universitní knihovna (*University Library*): f. 1348; universal research library, especially for social and natural sciences; MSS., music and map departments; Dir. Dr. KAREL KOZELEK.

Slovanská knihovna (*Slavonic Library*): f. 1924; collection of literature concerning Slav nations and U.S.S.R.; Dir. Dr. JOSEF STRNADEL.

Ustrední ekonomická knihovna (*Central Economics Library*): Prague III, nám. G. Klimenta 4; f. 1951; formerly State Library of Social Sciences (Státní knihovna spolecenskych ved); Dir. RUDOLF HYÁNEK.

Ústřední vedecko-metodický kabinet knihovnictví (*Centre for Scientific Research in Librarianship*): f. 1953; Dir. Dr. KAMIL GROH.

Státní lékařská knihovna (*National Medical Library*): Prague 2, Sokolská 31; f. 1950; over 120,000 vols.; Librarian Dr. JOSEF NAVRÁTIL; publ. *Annual of Czechoslovak Medical Literature*.

Státní pedagogická knihovna Komenského (*State Pedagogical Comenius Library*): Prague 1, Mikulandská 5; f. 1919; 250,000 vols. on education; youth branch (Suk Library), 28,000 vols.; Dir. Dr. PRAVOSLAV HYKEŠ; publs. *Přírůstky nově zařazených knih* (Additions of New Books in the S.P.C., yearly), *Přehled pedagogické literatury* (Survey of Pedagogic Literature, fortnightly), *Bibliografie české a slovenské literatury pro mládež* (Bibliography of Czech and Slovak Literature for Youth), *Výběr knih* (Selection of Books, yearly).

Strahovská knihovna (*Strahov Library*): Prague IV, Strahovské nádvorí 132 (Strahov courtyard); 200,000 vols.; public library of the Památník národního písemnictví (Museum of Czech. literature); books on religious subjects, philosophy, histories of literature and printing, and many old manuscripts; Dir. A. MRKVIČKA.

Státní technická knihovna (*State Central Technical Library*): Prague 1, Klementinum; f. 1707; former Central Technical Library; 500,000 vols.; lending library, reference library, including 180,000 items of trade literature and 10,000 periodicals; central institution in the field of technical librarianship; Librarian ANTONÍN DERFL; publs. *Technická knihovna* (The Technical Library).

Ústřední tělovýchovná knihovna (*Central Library of Physical Training*): Prague III, Ujezd 450; 71,000 vols.; Dir. V. PAVLÍČEK; publ. *Bibliografie tělovýchovné literatury* (Bibliography of Physical Training).

Ústřední zemědělská a lesnická knihovna (*Central Agricultural and Forestry Library*): Prague 2, Slezská 7; f. 1925; over 500,000 vols.; lending library, reading-room, bibliographical section, all open to the public; all Czechoslovak publications exchanged with foreign countries; Dir. O. KAPSA; publs. *Přehled novinek zemědělských knihoven, Landwirtschaftliche Literatur der Tschechoslowakei* (Agricultural Literature of Czechoslovakia—a quarterly bibliography in German, Russian, English, French and Spanish).

Základní knihovna Československé akademie věd (*The Main Library of Czechoslovak Academy of Sciences*): Prague, Národní tr. 3; f. 1952 as a result of the union of the former Czech Academy of Sciences and Arts, Royal Bohemian Society of Sciences and Masaryk Academy of Labour; 933,056 vols., 5,415 periodicals; a lending library and centre for international exchange of publications, dealing with 1,164 foreign institutions, in 71 countries; Departments of Microfilm and Bibliography; Dir. Dr. FRANTIŠEK HORÁK.

PROVINCIAL LIBRARIES

Agricultural College Library: Brno, Zemědělská 1; f. 1919; 75,000 vols.; publ. *Sborník vysoké školy zemědělské v Brné* (Acta Universitatis Agriculturae, Brno).

Československá akademie věd, Slezský ústav, Vědecká knihovna (*Silesian Institute of the Czechoslovak Academy of Sciences, Scientific Library*): Opava Nádražní okruh 31; f. 1945; 130,000 vols.; publs. *Slezský sborník* (Acta Silesiaca),

Knihovna Moravské galerie (*Library of the Moravian Gallery*): Brno, Husova 14; 37,500 vols.; Librarian FRANT. FRANC.

Krajská knihovna (*Regional Library*): Svermovo 4, České Budějovice; f. 1884; 430,000 vols.; Dir. J. HOUDKOVÁ.

Krajská knihovna V. Kopeckého (*District Library*): Liberec, 217,000 vols.; special section on the textile, glass; machine and plastic industries; Dir. L. MRÁZEK.

Krajská ludová knižnica (*Regional Library of Bratislava*): Bratislava, Suché Mýto; f. 1900; 100,000 vols.; Dir. J. ORLOVSKÝ.

Krajská ludová knižnica (*Regional Library*): Košice; f. 1657; 150,000 vols.; Dir. J. BERČINSKÝ.

Library of the State College of Mining and Metallurgy: Ostrava; f. 1849; 165,000 vols.

Matica slovenská (*Slovak National Library*): Martin; f. 1863; 620,000 vols.; Dir. JURAJ PAŠKA; publs. *Bibliografický katalog ČSR. Slovenské knihy, Slovenské hudobniny* (Slovak book production and sheet music), *Bibliografický katalog ČSR. Články v slovenských časopisoch* (Bibliography of Articles in Slovak Periodicals), *Čitatel'* (periodical), *Bibliografický sborník, Knižničný sborník*.

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Slovenská pedagogická knižnica (*Slovak Pedagogic Library*): Bratislava, Klariská ul.c. 5; 110,000 vols.; Dir. prom. ped. I. Blühová.

Slovenská technická knižnica (*Central Technical Library*): Bratislava, Gottwaldovo nám. 2; f. 1938; 637,000 vols.; general reference and bibliography; special collections of trade literature, 61,800 vols.; standards, mirco-films, patents, etc.; photoduplication service; international exchange of publications; 1,725 current periodicals; Dir. Ing. Jozef Hajdušek; publ. *Přirastky UTK*.

Štátna vědecká knižnica (*State Scientific Library*): Košice, Leninova 12; f. 1657, re-opened 1946; 490,000 vols.; Dir. R. Lukác; bibliographical publications.

Štátna vedecká knižnica (*State Scientific Library*): Nitra; f. 1952; 41,000 vols.; Dir. Ing. M. Ferík.

Štátna vedecká knižnica (*State Scientific Library*): Prešov; f. 1952; 45,000 vols.; Dir. M. Dubaj.

Štátna vedecká knižnica (*State Scientific Library*): Zvolen; f. 1952; 100,000 vols.; Dir. S. Ohríval.

Státní pedagogická knihovna (*State Pedagogic Library*): Brno, Solniční 12; 160,000 vols.; Dir. Dr. T. Henek.

Státní technická knihovna (*State Technological Library*): Brno, Veveří 95; f. 1892; 529,079 vols., 1,681 periodicals; technical and economic information service; microfilm service, international exchange of publications; Dir. Ing. Vilém Götz.

Státní vědecká knihovna (*State Research Library*): Ostrava, Nová radnice; f. 1951; 250,000 vols.; general library and special library on mining and metallurgy; Dir. J. Břustek.

Státní vědecká knihovna (*State Research Library*): Plzeň, ul. B. Smetany 14; f. 1950; 285,000 vols.; Dir. J. Kuba.

Státní vědecká knihovna (*State Research Library*): Hradec Králové; f. 1949; 150,000 vols.; Dir. Jiří Vaněk.

Univerzitná knižnica (*University Library*): Bratislava, Michalská 1; f. 1918; 726,746 vols.; Dir. Ing. V. Kútik.

Universitní knihovna (*University Library*): Brno, 5-7 Leninova; f. originally in 1770, as Univ. Library 1919; 1,272,000 vols., including 1,200 incunabula, 1,800 MSS., 60,000 vols. of printed music and collections of books by Comenius; Dir. Dr. Miloš Papírnik.

Universitní knihovna (*University Library*): Olomouc, Bezručova č.2; f. 1566; open to the public; 570,000 vols., including 1,966 incunabula and 1,270 MSS.; Librarian Miroslav Nádvorník.

Ústredná ekonomicka knižnica (*Central Economic Library*): Bratislava, Palisády 36; f. 1940; 90,000 vols.; Dir. Ing. B. Procházka; publs. *Ekonomické aktuality-bibliograficky zpravodaj, Bibliografia ekonómickej litertúry* (monthly), *přehlad ekonómickej literatúry* (every 2 months), *Letákové bibliografie ekonómie*.

Ústredná knižnica Slovenskej akadémie vied (*Central Library of the Slovak Academy of Sciences*): Bratislava, Klemensova 27; 270,000 vols.; functions of the library include the international exchange of publications.

Ústredná lekárska knižnica (*Central Medical Library*): Bratislava, ul.Čs. armády 52; f. 1951; 50,000 vols.; general reference and bibliography, research service; Dir. Dr. Z. Sýkora.

Vedecká kniznica mesta Bratislavy (*former Bratislava City Library*): Bratislava, Radnica; f. 1923; 62,000 vols.; Dir. Dr. A. Fiala.

Veterinary Faculty of the University of Agriculture Library: Brno 12, Palacký str. 1-3; f. 1918; Dir. Dr. V. J. Zatloukal.

MUSEUMS AND ART GALLERIES

Prague

Mestské Museum (*Municipal Museum*): Prague 3, Sady Jana Švermy 1554; f. 1900; collection of varied objects and documents relating to the history of the city of Prague.

Muzeum Aloise Jiráska (*Alois Jirásek Museum*): Prague Liboc, Zamek Hvezda; contains a collection of works and documents of the Czech writer A. Jirásek.

Museum Antonína Dvořáka (*Antonín Dvořák Museum*): Prague 2, Ke Karlovu 20; f. 1932, reinstalled 1961; relics and documents of life and work of A. Dvorak and his pupils (Suk, Vítězslav Novák, Nedbal, Karel, etc.); Dir. Dr. Karel Mikysa.

Museum Bedřicha Smetany (*Smetana Museum*): Prague I, Novotného lávka 1; f. 1928; contains relics of Smetana; contemporary collections of his works; photographs and MSS.; Dir. Miloslav Malý.

Museum československé armády (*Czechoslovak Army Museum*): Prague Žižkov, U. Památníku 2; f. 1954; containing expositions of the Czechoslovak Army since 1917.

Museum hl. m. Prahy: Prague XIX, Šárecká 29; f. 1945 (original foundation 1900); prehistoric exhibits; library of 3,150 vols.; Dir. Norbert Mašek.

Museum Klementa Gottwalda (*Klement Gottwald Museum*): Prague I, Rytířska 29; collections of the revolutionary traditions since the Hussite Movement up to the present days.

Museum tělesmá výchovy a sportu (*Museum of Physical Training and Sport*): Prague I, Ujezd 450; f. 1885, reorganised 1953; collections of documents about the development of the physical training and sport; Sokol MSS.; Dir. A. Samec.

Museum V. I. Lenina (*V. I. Lenin Museum*): Prague 1, Hybernská 7; collections of the life and work of Lenin.

Náprstkovo museum asijských, afrických a amerických kultur (*Naprstek Museum of Asian, African and American Culture*): Prague 1, Betlemské náměstí 1; f. 1862; ethnological and archaeological objects from non-European countries and Oriental art; library of 100,000 vols.; Dir. Dr. Erich Herold.

Národni galerie (*National Gallery*): Prague 1-Hradčany, Hradčanské náměstí 15; f. 1796; Departments of Ancient Art, Modern Art, Czech. 19th-century Paintings, 19th-century and Contemporary Sculpture, Drawings and Prints, Oriental Art, Industrial Art, Modern and Historic Applied Art; Dir. Dr. Jan Krofta.

Národni museum (*National Museum*): Prague 1, Central Building, Václavské náměstí 1700; f. 1818, present building erected 1891; consists of three Sections: Section of Historical Sciences, with its Departments of Prehistory, Archæology, Numismatics, Theatre, Music, Czech and Slavonic Ethnography, Universal Ethnography; Section of Natural Sciences, with Departments of Geology and Palaeontology, Mineralogy, Botany, Entomology, Zoology, Chemistry; Section of

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Archives and Libraries; Dir. Dr. V. DENKSTEIN; publs. *Sborník Národního musea* (*Acta Musei Nationalis*). *Časopis Národního musea, Sborník Entomologického oddělení Národního musea, Acta Faunistica, Fontes Archaeologici Pragenses, Muzejní práce, Zprávy Kabinetu pro muzejní a vlastivědnou práci, Inventáře a katalogy, Numismatické listy.*

Národní technické museum (*National Museum of Technology*): Kostelní 42, Prague VII; f. 1909; contains machinery and model equipment of all branches of industry; casual and permanent exhibitions of engineering, architecture, metallurgy, glass making, cinematography, physics and chemistry, etc.; Educational and Documentation Sections; Foreign Department; five associated branch museums in Brno, Jablonec, Sázava, Cerhonice, Přibram; library; Dir. Dr. JOSEF KUBA; publ. *Sborník Národního technického musea v Praze.*

Památník národního písemnictví (*Museum of the Czech Literature*): Prague Strahov; f. 1951; exposition of the development of the Czech literature; library of the Strahov monastery; Dir. Dr. JAROSLAVA VÁCLAVKOVÁ.

Pedagogické museum J. A. Komenského (*J. A. Komenský Pedagogical Museum*): Prague III, Valdštejnsky palac; documents illustrating the development of the Czechoslovak education.

Poštovni museum (*Post Museum*): Přague 5, Smíchov, Holečkova ul. 10; documents of the history of the post and stamp collections.

Státní zidovské museum (*Jewish Museum*): Prague I, Jachymova 3; f. 1906; contains collection of silver liturgical objects, Hebrew MSS. of the 14th century onwards, liturgical textiles of historic interest, library of ancient books, documents of Jewish communities, children's drawings from concentration camps, works of Jewish painters and sculptors; Dir. VILÉM BENDA.

Vojenské historičké museum (*Historical Army Museum*): Prague-Hradcany, Schwarzenberský palác; collections of documents and materials about the history of the Czech Army since the Hussite Movement up to 1918.

Zemědělske museum (*Museum of Agriculture*): Prague XII, Slezská 7; f. 1891; exposition on agriculture located in Kačina Castle near Kutna Hora; on forestry in Konopište Castle near Benešov, and in Ohrada Castle near České Budějovice; Dir. Dr. K. R. ČERMÁK.

PROVINCIAL MUSEUMS

Alšova jihočeská galerie (*Aleš South Bohemian Gallery*): Hluboká nad Vltavou; contains collection of Gothic art of South Bohemia, 17th–19th-century Czech painting and modern Czech art.

Banské muzeum Dionýza Štúra (*Dionýz Stúr's Mining Museum*): B. Štiav.; f. 1927; Keeper KRÍŽ JOZEF; publ. *Sborník* (bulletin) 37, *Sborník II* (bulletin) 38.

Glass Museum: Harrachov; exhibits include blown glass from the oldest Czechoslovak glassworks, founded in 1712, and other unique blown glass examples.

Glass Museum: Zelezny Brod; attached to a glass-making school; glass exhibits from Zelezny Brod and surrounding region.

Jihomoravske muzeum Znojmo (*Znojmo South Moravian Museum*): Znojmo; collections of natural sciences and history from South Moravia; installed in castle with XIth century chapel; collections of ceramics of S. Moravia and furniture.

Jihočeské muzeum České Budějovice (*České Budějovice Museum of South Bohemia*): collections of natural sciences, archæology, history, art from the region of South Bohemia; Dir. KAREL PLETZER; publ. *Jihočeský-sborník historický, Sborník J M-Přírodni vědy* (*Natural Sciences*).

Krajské museum Hradec Králové (*Hradec Králové Regional Museum*): collections of natural sciences, archæology, history and literature from the region of North-East Bohemia.

Krajské museum Jihlava (*Jihlava Regional Museum*): Jihlava; collections of zoology, archæology, history and art.

Krajský vlastivědny ústav Plzeň (*Plzen Regional Museum*): collections of history, ethnography and art from the region of West Bohemia; regional art gallery: pictures and sculptures; Dir. O. KUBA.

Městská museum Karlovy Vary (*Karlovy Vary Municipal Museum*): Karlovy Vary, Zámecký vrch 22; collections of natural sciences, art and industry, history and documents from the history of the spa Karlovy Vary.

Moravské museum v Brně (*Moravian Museum in Brno*): Brno I, nám. 25, února 8; f. 1818 as Museum Franciscum; comprises fourteen sections, including geology, mineralogy, palæontology, numismatics, musicology, Karst geomorphology, botany, entomology, zoology, archaeology, ethnography, literature and theatre archives; relics of Mendel and Janacek; publs. *Acta musie moraviae, Ethnographica, Anthropos,* Monographs.

Museum Českého porcelánu (*Czech Porcelain Museum*): Klášterec nád. Ohří; f. 1953; exposition of the Oriental and European porcelain located in the renaissance castle of Klášterec n/O.; documents on the production of Czech porcelain from 1792 to the present time.

Museum města Bratislavy (*Bratislava Municipal Museum*): Bratislava, Stará Radnica; f. 1868; contains collection of prehistoric weapons, sculpture, ceramics, etc., records of guilds and vine-culture; rooms devoted to Janko Jesenský and Johan Nepomuk Hummel; Pres. MILAN BODLAK.

Museum mesta Brna (*Brno Municipal Museum*): Brno, Hrad Špilberk; f. 1904; Dir. O. TOMAN.

Museum nábytku (*Museum of Furniture*): Lemberk u Jablonného; f. 1951; collections of furniture from the Gothic period to the present day.

Museum Pardubice: Pardubice, Zámek č.1; collections of natural sciences, history and arts from the Pardubice region; library.

Museum of the Hussite Movement: Tábor; f. 1881; Dir. Dr. F. KROUPA.

Museum automobilů Tatra Kopřivnice (*Tatra Motor Car Museum*): Tatra; f. 1956; special museum of motor cars.

Museum J.A. Komenského Uherský Brod (*Uherský Brod Comenius Museum*): f. 1894; Dir. Dr. JAN PAVELČÍK; exposition of the life and work of Comenius, and collections of ethnography, archaeology and history.

Národni technické Museum: Jablonec, Jiráaskova 4; f. 1955; exhibition of glass products of all kinds illustrating the development of Czech glass-making and of Jablonec jewellery; Dir. JAN TÚMA.

Oblastní muzeum jihovýchodní Moravy v Gottwaldově (*Regional Museum of South-Eastern Moravia in Gottwaldov*): Gottwaldov; collections of natural sciences, archaeology, ethnography, history; Dir. MILAN SMÝKAL; publs. *Zprávy* OMG, catalogues, etc.

Oblastní muzeum teplice (*Teplice Regional Museum*): collections of natural sciences, archæology and history from the region of North-West Bohemia.

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Okresní museum Slavkov u Brna (*Slavkov District Museum*): f. 1901; collections from the Napoleon wars with a special exposition of the battle of Slavkov (Austerlitz); Dir. D. Saurová.

Severočeské Museum v Liberci (*Liberec North Bohemian Museum*): Liberec; historical and contemporary collection of European and Bohemian glass and industrial arts; Dir. Dr. Jaroslav Kavan.

Slezské museum Opava (*Silesian Museum of Opava*): f. 1814; collections of natural sciences, archæology, history, ethnography, applied arts and documents from the Silesian region; Dir. Dr. B. Sobotík.

Slovenské museum (*Slovak National Museum*): Bratislava, Vajanského nábrežie 2; f. 1924; history and natural science sections; Dir. Ladislav Cselényi.

Slovenské národné múseum (*Slovak National Museum*): Martin; f. 1893; unique Slovak ethnographical collections; Dir. Stefan Mruškovič.

Uměleckoprůmyslové múseum (*Museum of Art and Industry*): Husova 14, Brno; f. 1873; Library; Dir. Dr. Alena Adlerová.

Valašské museum (*Wallachian Museum*): Rožnov pod Radhoštěm; f. 1911; open-air museum in the form of village with original buildings; library of 1,780 vols.; Dir. Dr. Arnošt Kubeša.

Vlastivědný ústav Olomouc (*Olomouc Regional Museum*): collections of natural sciences, archaeology, history, ethnography and arts; Dir. Jaroslav Novák; publ. *Zprávy VU Olomouc.*

Východoslovenské museum (*Museum of Eastern Slovakia*): Kosice, Hviezdoslavova ul. 5; f. 1872; collections and exhibitions of history, zoology, geology, archaeology and ethnography; Dir. L. Olexa, C.SC.

UNIVERSITIES

KOMENSKÉHO UNIVERSITA V BRATISLAVE
(Comenius University of Bratislava)

BRATISLAVA, ŠAFÁRIKOVO NÁMESTIE 12

Founded 1919

Rector: Prof. Dr. Michal Topolský.

Pro-Rectors: Prof. Dr. Gustav Pavlovič, Prof. Dr. Vladimír Vršanský, Prof. Dr. Ladislav Schübert, Doc. Dr. Vojtech Filkorn.

Number of students: 2,039 men, 3,007 women, total 5,046.

Deans:

Faculty of Law: Doc. Dr. Karol Laco.
Faculty of Medicine: Doc. Dr. Vladimír Zvara.
Faculty of Philosophy: Prof. Ernest Sýkora.
Faculty of Natural Sciences: Doc. Dr. Jozef Švagrovsky, C.SC.
Faculty of Pharmaceutics: Doc. Ph. Mr. Jaroslav Majer.
Institute of Physical Culture: Prof. Dr. Karol Stráňai.

Professors:

Faculty of Law:
Luby, Štefan (General and Private Law).

Faculty of Medicine:
Antal, Juraj (Physiology).
Čarský, Konstantin (Surgery).
Černáček, Josef (Neurology).
Červeňanský, Ladislav (Internal Medicine).
Chmel, Ladislav (Dermatology).
Güensberger, Ernest (Psychiatry).
Haviar, Vladimír (Internal Medicine).
Hensel, Juraj (Psychiatry).
Križan, Zigmund (Physics).
Kubis, Ján (Chemistry).
Michalíčkova, Jaroslava (Pediatry).
Mucha, Vojtěch (Hygiene).
Krsek, Herman (Legal Medicine).
Niederland, Rudolf (Biochemistry).
Nosál, Miloš (Vocational Diseases).
Ondrejička, Mikuláš (Internal Medicine).
Stanek, Ivan (Histology and Embryology).
Šiška, Karel (Surgery).
Štefánik, Svetozar (Obstetrics and Gynæcology).
Vršanský, Vladimír (General Biology).

Faculty of Philosophy:
Bakoš, Jan (Semitology).
Dubnicky, Jaroslav (History).
Golán, Karol (History).
Gosiorovský, Miloš (Czech History).
Hrnansky, Igor (Philosophy).
Húščava, Alexander (Archives).
Krno, Dalibor (Journalism).
Mráz, Andrej (Slovak Literature).
Okál, Miloslav (Classical Philology).
Paulíny, Eugen (Slovak Language and Literature).
Pavlovič, Gustav (Pedagogy).
Pišút, Milan (History of Czech and Slovak Literature).
Sirácky, Andrej (Dialectical and Historical Materialism).
Stanislav, Ján (Grammatical History of Ecclesiastical Slavonic).
Sýkora, Ernest (Pedagogy).
Šefránek, Július (Philosophy).
Vajcík, Peter (Pedagogy).
Vajsík, Branislav (History).

Faculty of Natural Science:
Andrusov, Dimitrij (Geology).
Cambel, Bohuslav (Mineralogy and Petrography).
Dillinger, Miloslav (Inorganic Chemistry).
Ferianc, Oskar (Zoology).
Furdík, Mikuláš (Organic Chemistry).
Kamenický, Jakub (Mineralogy and Petrography).
Končck, Mikuláš (Meteorology).
Lukáč, Rudolf (Mineralogy and Petrography).
Lukniš, Michal (Physical Geography).
Pastýrik, Ludovít (Physiology of Plants).
Srb, Ján (Mathematics).
Stankoviansky, Samuel (Analytical Chemistry).
Svitek, Viktor (Mathematics).
Valšík, Jindřich (Anthropology).
Vanovič, Ján (Physics).

Faculty of Pharmaceutics:
Krasnec, Ludovít (Organic Chemistry).
Homola, Vladimír (Pharmacology).
Jindra, Antonín (Pharmaceutical Botany).
Penka, Miroslav (Pharmaceutical Botany).

Institute of Physical Culture:
Stránai, Karol (Physical Culture).

UNIVERSITA J. E. PURKYNÉ
(Purkyné University)

BRNO

Founded 1919

Rector: Prof. Theodor Martinec.

Pro-Rectors: Prof. František Brohm, Prof. Jan Vanýsek, Doc. Bohumil Kučera, Doc. František Hejl.

Questor: Dr. Phil. Miroslav Vahala.

Number of teachers: 649, including 61 professors.

Number of students: 1,117 men, 1,872 women, total 2,989.

Publications: *Scripta Medica, Spisy přírodovědeoké fakulty, Spisy filosofické fakulty.*

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DEANS:

Faculty of Medicine: Prof. JIŘÍ HOLÝ.
Faculty of Natural Sciences: Doc. LUMÍR SOMMER.
Faculty of Arts: Doc. MILAN JELÍNEK.

PROFESSORS:

Faculty of Medicine:
BROHM, FRANTIŠEK (Oto-Rhino-Laryngology).
BRUNECKÝ, ZDENĚK (Pædiatrics).
DLUHOŠ, MAXIMILIÁN (Pathological Anatomy).
FILIPINSKÝ, MILON (Stomatology).
HADLIK, JOSEF (Psychiatry).
HALAČKA, KAREL (Hygiene).
HAVLÁSEK, LUDVÍK (Gynæcology).
HLADKÝ, ROBERT (Oto-Rhino-Laryngology).
HOLÝ, JIŘÍ (Radiology).
HORÁČEK, JAROSLAV (Dermatology, Venerology).
HOUBAL, VÁCLAV (Infectious Diseases).
JANČÍK, ERICH (Phthisiology).
JANEČEK, MILOŠ (Orthopaedics).
KRUTA, VLADISLAV (Physiology).
NAVRÁTIL, JAN (Surgery).
NEČAS, OLDRICH (Biology).
PODLAHA, JOSEF (Surgery).
POJER, JAROSLAV (Internal Medicine).
POLČÁK, JIŘÍ (Internal Medicine).
POPEK, KAREL (Neurology).
ŠTEJFA, MILOŠ (Internal Diseases).
ŠTICH, ZDENĚK (Medical Organisation).
ŠVEJDA, JAROSLAV (Pathological Anatomy).
ŠVEJDA, JOSEF (Stomatology).
TOMAN, MIROSLAV (Pædiatrics).
UHLÍŘ, KAREL (Uralogy).
VANÝSEK, JAN (Ophthalmology).
WAGNER, OKTAVIÁN (Medical Chemistry).
ZÁČEK, ADOLF (Medical Organisation).
ZLÁBEK, KAREL (Anatomy).

Faculty of Natural Sciences:
BORŮVKA, OTAKAR (Mathematics).
HADAČEK, JAROMIR (Organic Chemistry).
HRABĚ, SERGEJ (Zoology).
KOUTSKÝ, KAREL (Mathematics).
KREJČÍ, JAN (Geography).
LAŠTŮVKA, ZDENĚK (Plant Physiology).
MARTINEC, THEODOR (Microbiology).
MORÁVEK, VLADIMÍR (Chemical Physiology).
OKÁČ, ARNOŠT (Analytical Chemistry).
RYPÁČEK, VLADIMÍR (Physiology of Plants).
STEHLÍK, BLAHOSLAV (Physical Chemistry).
VAŠÍČEK, ANTONÍN (Experimental Physics).
ZAPLETAL, KAREL (Geology).

Faculty of Arts:
CHMELAR, VILÉM (Psychology).
HEJZLAR, GABRIEL (Classical Archæology).
HRABÁK, JOSEF (Czech Literature).
KALOUSEK, FRANTIŠEK (Archæology).
KUTAL, ALBERT (History of Art).
LAMPRECHT, ARNOŠT (Czech Language).
LUDVÍKOVSKÝ, JAROSLAV (Classical Philology).
MACHÁČEK, JOSEF (Philosophy).
MACHEK, VÁCLAV (Classical Culture).
MACŮREK, JOSEF (Slavonic History).
OHNENSORG, KAREL (West European Philology and Phonetics).
PRÁTOVÁ-NOHEJLOVÁ EMANUELA (Numismatics).
RACEK, JAN (Musicology).
RICHTER, VÁCLAV (History of Art).
SEBÁNEK, JINDŘICH (Applied Historical Sciences).
STĚPANÍK, KAREL (History of English and American Literature).
ZATOČIL, LEOPOLD (German Language).
ZÁVODSKY, ARTUR (New Czech Literature).

PALACKÉHO UNIVERSITA
(Palacky University)

LIDICKÁ 8, OLOMOUC

Founded 1576, re-opened 1946

Rector: Doc. EDUARD MANDÁK.
Pro-Rectors: Prof. MUDr. Z. KOJECKÝ, Prof. RNDr. J. METELKA, Prof. RNDr. J. ŠULA.

Number of teachers: 69 professors, 411 assistants.
Number of students: 2,500.

Publications: *Acta Universitatis, Palackianae Olomucensis.*

DEANS:

Faculty of Medicine: Doc. Dr. VL. PELIKÁN.
Faculty of Arts: Prof. J. LANG.
Faculty of Science: Prof. Dr. JOSEF FUKA.

PROFESSORS:

Faculty of Medicine:
CHVOJKA, JAN (Oto-rhino-laryngology).
DOUBRAVSKÝ, JAR. (Roentgenology).
GAZÁREK, FRANTIŠEK (Gynæcology and Obstetrics).
HEJTMÁNEK, MILAN (Biology).
HRBEK, JAN (Experimental Pathology).
HRBEK, JAROMÍR (Neurology).
KOJECKÝ, ZDENĚY (Pathology and Internal Medicine).
KREJČÍ, ZDENĚK (Hygiene).
KUČERA, ALEŠ (Physiology).
KUČERA, JAN (Urology).
LEJHANEC, GUSTAV (Pathology and Therapy of Skin and Venereal Diseases).
LENFELD, JIŘÍ (Pharmacology).
LOYKA, SVATOPUK (Medical Jurisprudence).
LUKL, PAVEL (Pathology and Internal Medicine).
MARŠÁLEK, EDUARD (Microbiology).
MATOUŠEK, MILOSLAV (History of Medicine).
NOVOTNÝ, JAROMÍR (Stomatology).
OBRUČNÍK, MIROSLAV (Histology and Embryology).
PELIKÁN, LUBOMÍR (Pædiatrics).
PELIKÁN, VLADIMÍR (Pathology and Internal Medicine).
RAPANT, VLADISLAV (Pathology and Therapy of Surgery).
ROHAN, PAVEL (Allergology).
SANTAVÝ, FRANTIŠEK (Social Medicine).
SCHOBER, BRUNO (Physics).
VALACH, VLADISLAV (General Pathology).
VEJDOVSKÝ, VÁCLAV (Ophthalmology).
VYMĚTAL, OSVALD (Psychiatry).
WAGNER, KAREL (Orthopædics).
ZRZAVÝ, JOSEF (Anatomy).

Faculty of Arts:
BERAN, ALJO (Art).
DANHELKA, JIŘÍ (Czech Language).
HOLAS, EMIL (Psychology).
ISAČENKO, ALEXANDER (Russian Language).
KRANDŽALOV, DIMITRIJ (History).
KOUKAL, ERVIN (Pædagogics).
KVAPIL, JOSEF (Romance Languages).
LANG, JAROMÍR (Czech Language).
LÓN, FRANTIŠEK (Marxism).
ROCHOWANSKÁ, IDA (English Language).
SMETANA, ROBERT (Music).

Faculty of Sciences:
FUKA, JOSEF (Physics).
HAVELKA, BEDŘICH (Mathematical Physics).
KURAŠ, MEČISLAV (Analytical Chemistry).
LAITOCH, MILOSLAV (Mathematical Analysis).
METELKA, JOSEF (Mathematics).
NĚMEC, FRANTIŠEK (Mineralogy).
RŮŽIČKA, EDUARD (Organic Chemistry).
TICHÝ, OTAKAR (Geography).
ŠULA, JOSEF (Biology).

UNIVERSITA KARLOVA
(Charles University)

PRAGUE I, NÁM. CURIEOVYCH 7

Telephone: 610-96

Founded 1348

Rector: Prof. JAROSLAV PROCHÁZKA.
Pro-Rectors: JAROSLAV KLADIVA, ARNOŠT KLÍMA, JAN KONOPÍK, PAVEL LEVIT, VOJTĚCH ŠNAID (Profs.); JAROMÍR SEIFERT (Docent).
Questor: J. M. POLÁK.
Library: *see* Libraries.

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Number of teachers: 1,840, including 374 professors and docents.

Number of students: 7,254 men, 6,438 women, total 13,692.

Deans:

Faculty of Mathematics and Physics: Prof. Ladislav Zachoval.

Faculty of Natural Sciences: Jan Gruntorád (Docent).

Faculty of General Medicine: Prof. Rudolf Vaněček.

Faculty of General Medicine, Branch in Plzen: Prof. Rudolf Bureš.

Faculty of Medicine in Hradec Králové: Svatopluk Rehák.

Faculty of Paediatrics: Milos Mácek.

Faculty of Medical Hygiene: Vilibald Bílek (Docent).

Faculty of Philosophy: František Mužík (Docent).

Faculty of Law: Oldřich Průša (Docent).

Institute of Culture and Journalism: Vladimír Klimeš (Docent).

Institute for Physical Training and Sport: Miroslav Choutka (Docent).

Institute for the Extra-Mural Training of Teachers: Prof. Emil Kraemer.

Professors:

Faculty of Law:

Bystrický, Rudolf (International Law).
Fábry, Valer (Agricultural Co-operative Law).
Levit, Pavel (Administrative Law).
Outrata, Vladimír (International Law).
Rattinger, Bedrich (Public Law).
Solnař, Vladimír (Criminal Law).
Spáčil, Bedřich (Financial Law).
Štajgr, František (Civil Judicial Procedure).
Tureček, Josef (Canon Law).
Vaněček, Václav (History of Law).

Faculty of General Medicine:

Bednář, Blahoslav (Pathological Anatomy).
Blažek, Frantisek (Pædiatrics).
Borovanský, Ladislav (Normal Anatomy).
Charvát, Josef (Internal Medicine)
Dienstbier, Emil (Ophthalmology).
Fučík, Mojmír (Internal Medicine).
Henner, Kamil (Neurology).
Herfort, Karel (Internal Medicine).
Herles, František (Internal Medicine).
Hoenig, Vojtěch (Internal Medicine).
Hořejší, Jaroslav (Internal Medicine).
Hynie, Josef (Sexology).
Jaroš, Miroslav (Orthopædic Surgery).
Jedlička, Václav (Pathological Anatomy).
Kácl, Karel (Medical Chemistry).
Kadlecová, Věra (Ophthalmology).
Karásek, František (Physiology).
Klaus, Karel (Gynæcology).
Konopík, Jan (Dermatovenerology).
Kotásek, Alfréd (Gynæcology and Obstetrics).
Král, Jiří (Hygiene).
Křečan, Jaromír (Stomatology).
Kredba, Miloš (Hygiene).
Kubelka, Vladimír (Microbiology).
Kurz, Jaromír (Ophthalmology).
Lenoch, František (Balneology).
Lhotka, Jaroslav (Surgery).
Lichtenberg, Jaroslav (Surgery).
Lukáš, Josef (Gynæcology and Obstetrics).
Obrtel, Jan (Dermatovenerology).
Patočka, František (Microbiology and Immunology).
Pavrovský, Josef (Surgery).
Přecechtěl, Antonín (Oto-Rhino-Laryngology).
Přenosil, Hosef (Dialectical and Historical Materialism).
Procházka, Karel (Dermatovenerolgy).
Prošek, Václav (Medical Organisation).
Prusik, Bohumil (Internal Medicine).
Reiniš, Zdeněk (Internal Medicine).
Rejsek, Karel (Internal Medicine).
Richter, Antonín F. (Medical Chemistry).
Sedláček, Karel (Phonology).
Seeman, Miloslav (Phonology).
Sekla, Bohumil (Biology).
Sova, Josef (Internal Medicine).
Šnaid, Vojtěch (Gynæocolgy and Obstetrics).
Stařý, Oldřich (Neurology).
Šula, Jan (Chemistry).
Šváb, Václav (Radiology).
Teissinger, Jaroslav (Professional Medicine).
Tlustý, Vojtěch (Dialectical and Historical Materialism).
Urban, František (Stomatology).
Vaněček, Rudolf (Pathological Anatomy).
Venta, Jiří (Gynæcology).
Vítek, Jiří (Neurology).
Vondráček, Vladimír (Psychiatry).
Vychytil, Otto (Pædiatrics).
Wolf, Jan (Histology).

Faculty of Paediatrics:

Foit, Richard (Internal Medicine).
Hněvkovský, Otakar (Orthopædic Surgery).
Houštěk, Josef (Pædiatrics).
Jedlička, Vladimír (Internal Medicine).
Kafka, Václav (Pædiatric Surgery).
Knobloch, Jan (Surgery).
Kubát, Kamil (Pædiatrics).
Peter, Rudolf (Gynæcology and Obstetrics).
Procházka, Jaroslav (Infectious Diseases).
Rašková, Helena (Pharmacology).
Švejcar, Josef (Pædiatrics).

Faculty of Medical Hygiene:

Bláha, František (Medical Organisation).
Bláha, Roman (Roentgenology).
Burian, František (Plastic Surgery).
Čížkova, Jiřina (Pædiatrics).
Hlaváček, Vladimír (Oto-Rhino-Laryngology).
Jonáš, Vratislav (Internal Medicine).
Kredba, Václav (Infectious Diseases).
Macek, Zdeněk (Neurology).
Polák, Emerich (Surgery).
Sedlák, Jiří (Microbiology).
Škaloud, Ferdinand (Stomatology).
Skládal, Josef (Clinical Physiology).
Švestka, Bedřich (Professional Medicine).
Syllaba, Jiří (Internal Medicine).
Votava, Zdeněk (Pharmacology).
Vrabec, František (Ophthalmology).

Faculty of General Medicine, Branch in Plzen:

Bobek, Josef (Internal Medicine).
Bureš, Rudolf (Medical Organisation).
Knobloch, Rudolf (Oto-Rhino-Laryngology).
Köcher, Zdeněk (Pharmacology).
Kos, Jaroslav (Anatomy).
Kotyza, František (Oto-Rhino-Laryngology).
Mikoláš Vladimír (Gynæcology and Obstetrics).
Resl, Vlastimil (Dermatology).
Slabý, Ota (Histology and Embryology).
Švejda, Josef (Stomatology).
Vaněk, Josef (Pathological Anatomy).
Vencovský, Eugen (Psychiatry).

Faculty of General Medicine in Hradec Kralové:

Baštecký, Jan (Radiology).
Blecha, Jiří (Pædiatrics).
Dvořák, Vladismír (Hygiene).
Fingerland, Antonín (Pathological Anatomy).
Grossmann, Vojtěch (Pharmacology).
Hromada, Jan (Normal Anatomy).
Janoušek, Břetislav (Dermatology and Venerology).
Jurkovič, Vilo (Internal Medicine).
Klíma, Miloš (Ophthalmology).
Mělka, Jaroslav (Physiology).
Nosek, Jaroslav (Medical Chemistry).
Ondráček, Jaroslav (Infectious Diseases).
Pazourek, Josef (Gynæcology and Obstetrics).
Petr, Rudolf (Surgery).
Rehoř, Jan (Internal Medicine).
Rrocházka, Jaroslav (Surgery).
Santholzer, Vilém (Phvsics).
Sazama, Pantalean (Stomatology).
Sercl, Miroslav (Neurology).

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VÁVRA, RUDOLF (Pathological Physiology).
VAVRDA, JAROSLAV (Orthopædic Surgery).
VORTEL, VLADIMÍR (Pathological Anatomy).
VRTIŠ, VLASTIMIL (Histology).

Faculty of Natural Sciences:

AUGUSTA, JOSEF (Palæontology).
BARTOŠ, EMANUEL (Systematic Zoology).
BĚHOUNEK, RUDOLF (Applied Geophysics).
ČEJP, KAREL (Botany).
ČERNOHORSKÝ, ZDENĚK (Botany).
DAUMANN, ERICH (Botany).
DOSTÁL, JOSEF (Botany).
DVOŘÁK, JOSEF (Geology).
FETTER, VOJTĚCH (Anthropology).
FOTT, BOHUSLAV (Cryptogramology).
HEJTMAN, BOHUSLAV (Petrography).
HYNIE, OTA (Hydrogeology).
JÍROVEC, OTTO (Zoology and Parasitology).
KALOUSEK, MIRKO (Physical Chemistry).
KODYM, ODOLEN (Geology).
KONTA, JIŘÍ (Petrography).
KORČÁK, JAROMÍR (Demography).
KOŠTÍŘ, JOSEF (Biochemistry).
KOUTEK, JAROMÍR (Geology and Palæontology).
KRAMÁŘ, JAROSLAV (Parasitology).
KUNSKÝ, JOSEF (Physical Geography).
LANG, JAROSLAV (Zoology).
NĚMEJC, FRANTIŠEK (Palæontology).
NOVÁK, FRANIŠEK ANTONÍN (Botany).
NOVÁK, JIŘÍ (Mineralogy).
POKORNÝ, VLADIMÍR (Zoopalæontology).
POUBA, ZDENĚK (Geology and Mineralogy).
PRÁT, SILVESTR (Physiology of Plants).
ROST, RUDOLF (Mineralogy and Petrography).
ŠKRAMOVSKÝ, STANISLAV (Inorganic Chemistry).
WENIG, KAREL (Zoology).
ZÝKA, JAROSLAV (Analytic Chemistry).

Faculty of Philosophy:

BĚLIČ, JAROMÍR (Czech Language).
BURIÁNEK, FRANTIŠEK (New Czech Literature).
CORDÓN, ANTONIO (Spanish Literature).
ČAPEK, JAN BLAHOSLAV (Czech Literature).
CHARVÁT, JAROSLAV (General History).
DOLANSKÝ, JULIUS (Languages and Literature of Yugoslavia).
DOLEŽAL, JAN, (Experimental Psychology).
DOSTÁL, ANTONÍN (Comparative Slavonic Linguistics).
FILIP, JAN (Prehistory and Protohistory).
FISCHER, JAN (French Literature).
GALLA, KAREL (Pedagogics).
GOLDSTÜCKER, EDUARD (History of German Literature).
GÖTZ, FRANTIŠEK (Dramaturgy).
HÁLA, BOHUSLAV (Phonetics).
HAVRÁNEK, BOHUSLAV (Czech and Slavonic Philology).
HILSKÁ, VLASTA (Japanese Literature).
HORÁLEK, KAREL (Slavonic Philology).
HUSA, VÁCLAV (Czech and Slovak History).
ILEK, BOHUSLAV (Russian Literature).
JANÁČEK, KAREL (Classical Philology).
JEDLIČKA, ALOIS (Czech Language).
KALÁB, MILOŠ (Philosophy).
KAVKA, FRANTIŠEK (Early Czech History).
KLADIVA, JAROSLAV (History of the Communist Party in the Č.S.S.R.).
KLÍMA, ARNOŠT (Czech and Slovak History).
KOPECKÝ, JAN (History of Czech and Slovak Theatre).
KŘÍSTEK, VÁCLAV (Czech Language).
KURZ, JOSEF (Slavonic Linguistics).
KVĚT, JAN (History of Arts).
MATOUŠ, LUBOR (Ancient Oriental History).
MUKAŘOVSKY, JAN (Czech and Slovak Literature and Aesthetics).
NOVÁK, MIRKO (Aesthetics).
OČADLÍK, MIRKO (Musicology).
OTÁHALOVÁ-POPELOVÁ, JIŘINA (Philosophy).
PEŠINA, JAROSLAV (History of Arts).
POLIŠENSKÝ, JOSEF (History).
PROCHÁZKA, JAROSLAV (History of the Communist Party in the U.S.S.R.).
ŘÍHA, OLDŘICH (Contemporary History).
SKALIČKA, VLADIMÍR (General Linguistics).
ŠMILAUER, VLADIMÍR (Czech Literature).
SOVÁK, MILOŠ (Defectology).
SVOBODA, LUDVÍK (Theoretical Psychology).
SYCHRA, ANTONÍN (Musicology and Musical Pedagogy).
TARDY, VLADIMÍR (Psychology).
TAUER, FLEIX (Literature and History of Civilisation of Islam).
TOMČÍK, MILOŠ (Slovak Literature).
TRNKA, BOHUMIL (English Philology).
TROST, PAVEL (Comparative Indo-European Linguistics and Baltic Philogy).
URBAN, BOHUMIL S. (Art Education).
VÁŽNÝ, VÁCLAV (Czech Language).
VODIČKA, FELIX (Czech Literature).
ZICH, OTAKAR (Logic).
ZÁBA, ZBYNĚK (Egyptology).

Faculty of Mathematics and Physics:

BRDIČKA, MIROSLAV (Theoretical Physics).
BROŽ, JAROMÍR (Experimental Physics).
GREGOR, ALOIS (Meterorology).
JANKO, JAROSLAV (Statistics).
JARNÍK, VOJTĚCH (Mathematics).
KAŠPAR, EMIL (Physics).
KATĚTOV, MIROSLAV (Mathematics).
KOŘÍNEK, VLADIMÍR (Mathematics).
KUNZL, VILÉM (Experimental Physics).
MAŘÍK, JAN (Mathematics).
MOHR, JOSEF (Practical Astronomy and Astrophysics).
NOŽIČKA, FRANTIŠEK (Mathematics).
POTOČEK, JAN (Technological Physics).
SGALL, PETR (Philology).
VALOUCH, MIROSLAV (Experimental Physics).
ZACHOVAL, LADISLAV (Physics).
ZÁTOPEK, ALOIS (Geophysics).

Institute of Culture and Journalism:

BAREŠ, GUSTAV (Journalism).
HYHLIK, FRANTIŠEK (Psychology).

Institute for Physical Training and Sport:

FLEISCHAMNN, JAROSLAV (Anatomy).
LIBENSKÝ, JAN (Physical Training).
SERBUS, LADISLAV (Theory and Method of Gymnastics).

Institute for the Extra-Mural Training of Teachers:

KOPECKIJ, LEONTIJ (Russian Language).
KRAEMER, EMIL (Geometry).
ZÁČEK, RUDOLF (Theory and Method of Physical Training).

UNIVERSITA 17. LISTOPADU
(University of 17th November)

26 GORKÉHO NÁM., PRAGUE I

Telephone: 231616

Founded 1961

The University provides education for students from abroad.

Rector: Prof. JAROSLAV MARTINIC, LL.D.

Pro-Rectors: Prof. IVAN POLDAUF, PH.D., Doc. VLADIMÍR ŠTĚPÁNEK.

Registrar: ALOIS BOLESLAVSKÝ.

Librarian: VLADIMÍR HADINEC.

Number of teachers: 138.

DEANS:

Faculty of Language and General Knowledge: KAREL HRUDKA.

Faculty of Natural and Technical Science: BŘETISLAV HOJDEM.

Faculty of Social Science: SLAVOMÍR JIRÁNEK (Pro-Dean), MARIE KOTÍKOVÁ (Pro-Dean).

PROFESSORS:

KALÁB, MILOŠ (Philosophy).
MARTINIC, JAROSLAV (General Economics).
POLDAUF, IVAN (Linguistics).

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TECHNICAL UNIVERSITIES

ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE
(Technical University of Prague)

PRAGUE II, HORSKÁ 3

Founded 1707; reorganised 1806, 1863, 1920, 1960

Rector: Prof. Ing. Dr. Josef Kožoušek.
Vice-Rectors: Docent Jaroslav Olma, c.sc., Doc. Ing, Karel Svejda, Prof. Ing. Dr. Antonín Veverka. dr.sc., Prof. Ing. Arch. Karel Neumann.

Number of teachers: 1,250, including 227 professors and docents.
Number of students: 15,000.

Deans:

Faculty of Civil Engineering: Prof. Ing. Arch. Dr. Karel Janů, dr.sc.
Faculty of Mechanical Engineering: Prof. Ing. František Dražan.
Faculty of Electrical Engineering: Prof. Ing. Karel Kolovrat.
Faculty of Nuclear Physics: Prof. Ing. Dr. Ladislav Haňka.

SLOVENSKÁ VYSOKÁ ŠKOLA TECHNICKÁ
(The Slovak Polytechnic University in Bratislava)

BRATISLAVA, VAZOVOVA 1b

Founded 1938.

Rector: Doc. Stefan Chochol, c.sc.
Registrar: Dr. Michal Gero.

Number of teachers: 905.
Number of students: 6,070.

Deans:

Faculty of Electrical Engineering: Prof. Dr. Miroslav Šalamon.
Faculty of Chemistry: Doc. Jozef Beniska, c.sc.
Faculty of Building Engineering: Prof. Dr. Jozef Trokan.
Faculty of Mechanical Engineering: Doc. Juraj Sedlák, c.sc.

VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ
(Technical University of Brno)

BRNO, STŘEDOVÁ 1

Founded 1899.

Rector: Doc. Ing. Dr. Vladimir Meduna.
Pro-Rectors: Prof. Ing. Dr. František F. Píšek, Doc. Dr. Miloslav Pokorný, Prof. Ing. Dr. Ferdinand Kuba.

Number of professors: 59.
Publication: *Bulletin of the Technical University of Brno* (quarterly).

Deans:

Faculty of Civil Engineering and Surveying: Prof. Ing. Dr. Jan Cablík.
Faculty of Architecture: Doc. Ing. Alexa Zdeněk.
Faculty of Engineering: Antonín Němec.
Faculty of Electrical Engineering: Jan Kalendovský.

Professors:

Faculty of Civil Engineering and Surveying:
Bažant, Jan (Hydraulic Engineering, I).
Böhm, Josef (Advanced Geodesy).
Dokládal, Jan (Agriculture and Forestry).
Gartner, Otakar (Mineralogy and Geology).
Grňa, Josef (Jurisprudence, Law, Legislation).
Hruban, Konrád (Reinforced Concrete).
Jůva, Karel (Agricultural Hydraulics).
Kostka, Karel (Hydraulic Engineering, II).
Mencl, Vojtěch (Railway Construction).
Sekla, Josef (Bridge Building).
Šimek, Karel (Statics and Theory of Structures).
Souček, Jaromír (Road Construction).
Spazier, Rudolf (Building Materials and their Testing).
Štvan, Antonín (Practical Geometry).

Faculty of Architecture:
Fuchs, Bohuslav (Town and Country Planning).
Hlavica, František (Figure and Landscape Painting).
Krejcar, Jaromír (Architecture, II).
Kroha, Jiří (Architecture, III).
Kurial, Antonín (Architectonic and Ornamental Forms).

Faculty of Engineering:
Bláha, Aleš (Theoretical and Experimental Electrotechnics).
Bouček, Jaroslav (Practical Photography and Cinematography).
Chlumský, Vladimir (Thermics).
Čupr, Karel (Mathematics).
Hauser, Jiří (Mechanical Technology).
Kieswetter, Jan (Hydraulic Turbines and Crane Construction).
Kaucký, Josef (Mathematics).
Klapka, Antonín (Technical Physics).
Klapka, Jiří (Descriptive Geometry).
Kožoušek, Josef (Combustion Engines).
Křivánek, Vladimír (Steam Turbines).
Nedoma, Antonín (Dynamics and Hydromechanics).
Píšek, František (Mechanical Technology).
Pospíšil, František (Aeroplane Design and Construction).
Pračka, Břetislav (Locomotive Design).
Sekanina, František (Elements of Aeroplane Design).
Smolař, Václav (Aerodynamics).
Souček, Vladimír (Motor Vehicle Design and Construction).
Špunda, Jaromír (Aeroplane Statics).
Strnad, Julius (Telecommunications).

Faculty of Electrical Engineering:
Kalendovský, Jan (Radio Engineering and Technique of Production Lines).
Raclavský, Konstantin (Science of Electrical Engineering).

COLLEGES

VYSOKÁ ŠKOLA BÁNSKÁ
(State College of Mining and Metallurgy)

DVORÁKOVA 7, OSTRAVA 1

Founded 1849.

Rector: Prof. RNDr. Bohuslav Ružička.
Pro-Rectors: Doc. Vladimír Michný, Doc. Ing. Zdeněk Šefl, Prof. Ing. Miloslav Gottwald, Doc. Ing. Radomil Kittrich.

Number of students: 2,681.
Publication: *Sborník vedeckých prací VSB.*

Deans:

Faculty of Mining and Geology: Prof. Ing. Karel Štepán.
Faculty of Metallurgy: Doc. Ing. Stanislav Slovák.
Faculty of Mining and Metallurgical Machinery: Prof. Ing. František Patrman.

VYSOKÁ ŠKOLA CHEMICKO-TECHNOLOGICKÁ
(College of Chemical Technology)

PRAGUE 6, TECHNICKÁ 1905
Telephone: 322141-6

Founded 1952

Rector: Prof. Ing. Dr. Gustav Janícek.
Pro-Rectors: Prof. Ing. Dr. Rudolf Bretschneider, Prof. Ing. Dr. Jiří, c.sc., Doc. Ing. Jiří Jarý, c.sc., Doc. JUDr. Jan Stýble, c.sc.

Number of teachers: 98.
Number of students: 3,179.

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Publication: *Sborník Vysoké školy chemicko-technologické v Praze* (4 vols. yearly).

DEANS:

Faculty of Inorganic Technology: Doc. Ing. Dr. FRANTIŠEK ŠTRAFELDA, C.SC.
Faculty of Organic Technology: Doc. Ing. VACLAV DEDEK, C.SC.
Faculty of Fuel and Water Technology: Doc. Ing. Dr. VÍLEM ŠEŠULKA, C.SC.
Faculty of Food Processing Technology: Doc. Ing. JAN HAMPL, C.SC.
Faculty of Chemical Industry Automation and Economics: Prof. Ing. Dr. EMIL SLAVÍČEK.

VYSOKÁ ŠKOLA CHEMICKO-TECHNOLOGICKÁ V PARDUBICICH
(University of Chemical Technology in Pardubice)

PARDUBICE, UL. SLOVENSKÉHO POVSTÁNÍ 565

Founded 1950.

Rector: Prof. Ing. Dr. JIŘÍ KLIKORKA.
Pro-Rectors: Prof. Ing. JOSEF HERYNK, Doc. Ing. ZDENĚK KRÁL, Doc. RNDr. JOSEF JENÍK, C.SC., Doc. JOSEF LANGPAUL.
Librarian: JUDr. ALOIS TĚŠITEL.

Library: 55,000 vols.
Number of teachers: 128.
Number of students: 800, of which 230 are women.
Publication: *Scientiüc Papers* (biannual).

HEADS OF DEPARTMENTS:

Mathematics: Doc. JOSEF LANGPAUL.
Physics: Doc. RNDr. JOSEF KAŠPAR.
General and Inorganic Chemistry: Prof. Ing. Dr. JIŘÍ KLIKORKA.
Organic Chemistry: Ing. Dr. JIŘÍ SCHREIBER.
Analytical Chemistry: Prof. Ing. Dr. MIROSLAV JUREČEK, D.SC.
Physical Chemistry: Doc. RNDr. ANTONÍN TOCKSTEIN.
Processes and Apparatus of Chemical Technology: Doc. RNDr. ANTONÍN PILAŘ.
Automatization of Chemical Processes: Ing. VLASTIMIL HUTTLA.
Inorganic Technology: Doc. Ing. Dr. JIŘÍ MÝL.
Organic Technology: Prof. Ing. JOSEF HERYNK.
Technology of Plastics: Prof. Ing. KAREL FRIML.
Chemical Technology of Wood: Doc. Ing. ZDENĚK KRÁL.
Chemical Technology of Textiles: Doc. RNDr. VLADIMÍR HLADÍK.

VYSOKÁ ŠKOLA EKONOMICKÁ
(School of Economics)

PRAGUE

Rector: Prof. JUDr. VLADIMÍR SEDLÁK.
Pro-Rectors: Doc. VLADMÍR NOVOTNÝ, Doc. MIROSLAV TUČEK, Doc. VERA KYPROVÁ.

DEANS:

Faculty of General Economics: MIROSLAV ŠMEJKAL.
Faculty of Production Economics: VLADIMÍR PACHMAN.
Faculty of Domestic and Foreign Trade: JAROSLAV NYKRYN.
Institute of Economic Planning: EDUARD VOPIČKA.

PROFESSORS:

ČERNIANSKÝ, VILIAM (Foreign Trade Economics).
HODEK, ANTONÍN (Economic Plannning, Industrial Economics).
HOSPODKA, VLADIMIR (Transport Economics).
JANÁČEK, JAN (Finance and Financial Law).
KORDA, BENEDIKT (Economic Statistics).
NYKRYN, JAROSLAV (Foreign Trade).
OLIVA, FELIX (Political Economy).
PERNICA, KAREL MARTIN (Home Trade Economics).
SEDLÁK, VLADIMÍR (Planned Economy).
VOPIČKA, EDUARD (Industrial Economics).

VYSOKÁ ŠKOLA LESNICKÁ A DŘEVAŘSKÁ
(College of Forestry and Lumber Industry)

ZVOLEN

Rector: Dr. Ing. ELIGIUS HROMADA.
Pro-Rectors: Dr. MIKULÁŠ JÓŽA, Dr. Ing. HUBERT BEZAČÍNSKY, Dr. Ing. JOZEF PORUBIAK.

Number of professors: 8.

DEANS:

Faculty of Forestry: Dr. Ing. ADOLF PRIESOL.
Faculty of Lumber Industry: Prof. Ing. JOSEF PALOVIČ.

VYSOKÁ ŠKOLA EKONOMICKÁ
(College of Economic Sciences)

BRATISLAVA, UL. ODBOJÁROV 12

Founded 1940, became State School 1945.

Rector: Doc. Ing. PAVOL RAPOŠ, C.SC.
Pro-Rectors: Doc. Ing. FÉLIX HUTNÍK, C.SC., Doc. Ing. ANTON KLAS, C.SC., Doc. Ing. VLÁDIMÍR HÁČIK, C.SC.

Number of teachers 190.
Number of students: 2,018 men, 1,060 women, total 3,078.

DEANS:

Faculty of Political Economy: Prof. Ing. JOZEF ROSA.
Faculty of Branch Economics: Doc. Ing. MIKULÁŠ SEDLÁK.
Faculty of National Planning: Doc. Dr. DALIBOR HANES.

PROFESSORS:

FIŠERA, ŠTEFAN (Economics of Agriculture).
PARTYK, BOHUSLAV (Accounting).
PAZMAN, JÚLIUS (Economics of Industry).
ROSA, JOZEF (Finance).
SVETON, JÁN (Statistics).

VYSOKÁ ŠKOLA STROJNÍ A ELEKTROTECHNICKÁ
(College of Mechanical and Electro-technical Engineering in Pilsen)

PLZEN

Founded 1949

Rector: Prof. Ing. Dr. PŘEMYSL BRENÍK.
Pro-Rectors: Docent Dr. VLADIMÍR ČECH, Prof. Ing. LADISLAV KUPKA.

Number of professors and docents: 18.
Number of students: 865 (28 women).
Library of 29,874 vols.
Publications: *Annals of Scientific Research* (4 vols.).

VYSOKÃ ŠKOLA STROJNÍ A TEXTILNÍ V LIBERCI
(College of Mechanical and Textile Engineering in Liberec)

Founded 1953

Rector: Docent Ing. VOJTĚCH DRÁB.
Pro-Rectors: Docent Ing. CYRIL HÖSCHL, Prof. Ing. FRANTIŠEK KRÍSTEK, FRANTIŠEK STÁREK.
Registrar: EMIL DRNOVSKY.

Number of professors: 8.
Number of staff: 140.
Number of students: 950 men, 120 women.
Faculty of Mechanical Engineering.
Faculty of Textile Engineering and Technology.

PROFESSORS:

KÁMEN, FRANTIŠEK (Power Engines and Steam Generators).
KOTŠMÍD, FRANTIŠEK (Glass Technology and Machinery).
KŘÍSTEK, FRANTIŠEK (Organisation and Machine Working).
MEDUNA, OLDŘICH (Machine Parts).
ODSTRČIL, BOHUMIL (Technology of Light Metals).

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POMPE, FRANTIŠEK (Weaving and Carding and their Machinery).
SIMON, JAROSLAV (Textiles and Textile Machinery).
SÝKORA, KAREL (Thermomechanics and Technical Measurements).

VYSOKÁ ŠKOLA TECHNICKÁ V KOŠI
(College of Technology)

KOSICE

Founded 1952.

Rector: Dr. Ing. JURAJ BUSA.
Pro-Rectors: Dr. Ing. VLADIMÍR CIRBES, Prof. Ing. ALEXANDER DOKTOR, Prof. Ing. OTAKAR KASTANEK, Prof. Ing. FRANTISEK VALACHOVIC.

Number of professors: 20.

Faculty of Mining.
Faculty of Metallurgy.
Faculty of Engineering.

VYSOKÁ ŠKOLA ZEMĚDĚLSKÁ A LESNICKÁ
(University College of Agriculture and Forestry)

BRNO, ZEMĚDĚLSKÁ 1

Founded by State Law in 1919.

Rector: Prof. Ing. Dr. MIROSLAV VYSKOT, SC.C.
Pro-Rectors: Prof. Ing. Dr. JOSEF KOPECKÝ, Prof. Dr. JOSEF ZAK, Doc. MVDr. MILAN LEBEDA, Prof. MVDr. VÁCLAV DYK.

Library of 228,654 vols.
Number of teachers: 381.
Number of students: 2,903 men, 1,003 women, total 3,906.
Publications: *Sborník vysoké školy zemědělské a lesnické v Brně* (Annals of the College of Agriculture).

DEANS:

Faculty of Agronomy: Doc. Ing. JOSEF TYLEČEK, SC.C.
Faculty of Economic Management: Prof. Dr. ALOIS GROLIG, SC.C.
Faculty of Forestry: Prof. Ing. OTAKAR RIEDL.
Faculty of Veterinary Science: Doc. MVDr. MIROSLAV ZENDULKA, SC.C.

PROFESSORS:

ARTNER, GUSTAV (Forest Exploitation and Forest Technology).
BAUDYŠ, EDUARD (Plant Pathology and Plant Protection).
BLAŽKE, JAROMIR (Agricultural Law).
DOLEŽAL, BOHUMIL (Forest Management).
HOŠPES, BOHUMIL (Agricultural Technology).
KANTOR, JOSEF (Forest Planatation and Development).
KÁŠ, VÁCLAV (Microbiology).
KNOP, JOSEF (Chemistry).
KOSTOMAROV, BORIS (Ichthyology).
KOUDELA, STANISLAV (Animal Nutrition).
KRATOCHVÍL, JOSEF (Zoology).
MILLER, FRANTIŠEK (Entomology).
NOVÁK, VÁCLAV (Pedology, Meteorology and Climatology).
PELÍŠEK, JOSEF (Geology and Forest Pedology).
PETERKA, OTAKAR (Agricultural Statistics).
PODHRADSKÝ, JAN (Poultry Farming).
POLANSKY, BOHUSLAV (Forest Plantation and Development).
RECHKA, JOSEF (Animal Nutrition).
SCHOLZ, JAROMIR (Horticulture).
ŠIMON, JAROSLAV (Plant Production).
ŠKATULA, LEO (Afforestation).
TOMŠÍK, BOLESLAV (Apiculture and Silk Industry).
ZLATNÍK, ALOIS (Forest Botany).

VYSOKÁ ŠKOLA ZEMĚDĚLSKÁ
(Agricultural College)

PRAGUE XIX, 1903 TECHNICKÁ, DEJVICE

Founded 1906.

Rector: Prof. Dr. VLADIMÍR KOSIL.
Pro-Rectors: Prof. Ing. Dr. FRANTIŠEK SEKANINA, Docent Dr. PAVEL UHLÍR, Ing. OLDŘICH ŠTIKA.
Questor: ALFONS ŠINDELÁR.
Librarian: VĚRA TRČOVÁ.

Number of teachers: 225.
Number of students: 1,588.

DEANS:

Faculty of Agronomy: Prof. Dr. JAROSLAV SMOLÁK.
Faculty of Mechanics: Prof. Dr. MILAN MIKAN.
Faculty of Economics and Socialist Organisation of Agriculture: Prof. Dr. FRANTIŠEK LOM.

VYSOKÁ ŠKOLA ŽELEZNIČNÍ
(Technical University of Transports)

PRAGUE III, SOKOLOVSKÁ 83

Founded 1953

Rector: Prof. Dr. VÁCLAV BIDLO.
Pro-Rectors: Prof. Ing. VÁCLAV CHUDÁČEK, Doc. Ing. JAROSLAV JEŘÁBEK.

Library of 55,000 vols.
Number of professors: 22.
Number of students: 1,460.

DEANS:

Faculty of Construction: Prof. Ing. Dr. JAN DUCHÁČEK.
Faculty of Mechanical and Electrical Engineering: Prof. Ing. Dr. FRANTIŠEK REMTA.
Faculty of Transport Engineering: Prof. Ing. BOHUMÍR KODYTEK.

SCHOOLS OF ART AND MUSIC

Akademie musických umění (*Academy of Musical Arts*): Prague I, Dum umělcu; faculties of music, theatre and dramatic art, dance, puppetry, film art; Rector Prof. A. M. BROUSIL.

Akademie výtvarných umění (*Academy of Fine Arts*): Prague XIX, U. Akademie 172; f. 1799; 16 mems.; Rector Prof. A. SILOVSKY.

Janáčkova akademie musických umění (*Janáček Academy of Musical Arts*): Brno, Komenského náměstí No. 6; 19 professors, 21 internal lecturers, 24 external lecturers; Rector Dr. LUDVÍK KUNDERA.

Konzervatórium hudby (*State Conservatoire of Music*): Bratislava, Rybné nám. 7; sections for singing, wind instruments, strings, keyboard instruments, composing and conducting, dancing; 100 teachers, 500 students; Dir. ZDENKO NOVÁČEK.

Konzervator v Brně (*Conservatoire*): Trida kpt Jaroše 43-45; f. 1881; 88 professors, 365 students; Dir. JOSEF TOMAŠTÍK.

Státní konservatoř v Praze (*State Conservatoire of Music*): Prague I, Na. rejdišti 1; f. 1811; 120 professors, 650 students; Rector Dr. VÁCLAV HOLZKNECHT.

Vysoká Škola muzických umění (*Academy of Arts*): Bratislava, Štúrova 7; faculties of music, dramatic arts; Rector Dr. OTO FERENCZY.

Vysoká škola uměleckoprůmsylová (*Academy of Applied Arts*): Prague I, nám. Krasnoarmějců 80; f. 1885; 276 students; Rector Prof. OTTO ECKERT.

Vysoká škola výtvarných umění (*Academy of Fine Arts*): Bratislava, Hviezdoslavovo nám.; Rector Prof. VINCENT HLOŽNÍK.

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DENMARK

Population 4,600,845

ACADEMIES

DET KONGELIGE DANSKE VIDENSKABERNES SELSKAB
(The Royal Danish Academy of Sciences and Letters)

DANTES PLADS 5, COPENHAGEN V.

Founded 1742

President: AAGE BOHR.

Chairman of History and Philosophy Section: JOHS. PEDERSEN.

Chairman of Mathematics and Natural Sciences Section: EINAR LUNDSGAARD.

Secretary: CHRISTIAN MØLLER.

Editor: L. L. HAMMERICH.

Treasurer: HEINZ HOLTER.

Archivist: ASGER LOMHOLT.

Publications: *Oversigt* (annual), *Meddelelser* and *Skrifter* (Hist. & Philos., Maths. & Phys., Biol.).

DANISH MEMBERS:

Section for History and Philosophy:

BAGGE, POVL.
BARR, KAJ.
BECH, GUNNAR.
BECKER, C. J.
BIRKET-SMITH, KAJ.
BLATT, FRANZ.
BLINKENBERG, ANDREAS.
BRANDT, FRITHIOF.
BRØNDSTED, JOHANNES B.
BRØNDUM-NIELSEN, JOHS.
BØGGILD-ANDERSEN, C. O.
DIDERICHSEN, PAUL
ELLING, CHRISTIAN T.
ERICHSEN, W.
FABRICIUS, KNUD F. K.
GLOB, P. V.
HALD, KRISTIAN
HAMMERICH, L. L.
HANSEN, AAGE
HELGASON, JÓN.
HJELHOLT, HOLGER.
HJELMSLEV, LOUIS T.
IUUL, STIG A.
JANSEN, F. J. BILLESKOV.
JENSEN, POVL JOHANNES.
JEPPESEN, KNUD CHRISTIAN.
JOHANSEN, KNUD FRIIS.
JØRGENSEN, PETER.
KOCH, HAL
KROGH, TORBEN TH.
KRÜGER, PAUL
LARSEN, JENS PETER.
MATHIASSEN, THERKEL.
PEDERSEN, JOHS. P. E.
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SANDER-HANSEN, C. E.
SCHIØRRING, NILS.
SKAUTRUP, J. PETER A.
STEENSBERG, AXEL.
STEN, HOLGER K.
STENDER-PETERSEN, ADOLF.
TOGEBY, KNUD D. N.
TOPSØE-JENSEN, H.

Section for Mathematics and Natural Sciences:

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ANDERSEN, ERIK SPARRE.
ASMUSSEN, ERLING.
ASMUSSEN, ROBERT W.
BAK, BØRGE N.
BANG, THØGER.
BERG, KAJ.
BJERRUM, JANNIK.
BOHR, AAGE N.
BOHR, NIELS H. D.
BUCHTHAL, FRITZ.
BØGGILD, J. K.
CHRISTENSEN, ERIK HOHWÜ.
CHRISTIANSEN, JENS ANTON.
DAM, C. P. HENRIK.
DEGERBØL, M. A.
EINARSON, LÁRUS.
FAURHOLT, CARL.
FENCHEL, M. WERNER.
HALD, ANDERS H.
HERTZSPRUNG, EJNAR.
HOLTER, HEINZ.
HUUS, TORBEN
IVERSEN, JOHS.
JACOBSEN, J. C. G.
JENSEN, AKSEL TOVBORG.
JENSEN, KAI ADOLF.
JENSEN, KAI ARNE.
JESSEN, BØRGE CHRISTIAN.
JESSEN, KNUD.
JØRGENSEN, CARL ADOLF.
KAUFFMANN, FRITZ J.
KEMP, TAGE.
KJAER, ANDERS C.
KRISTENSEN, MARTIN K.
LARSEN, C. SYRACH
LASSEN, N. O.
LINDHARD, JENS.
LUND, HAKON
LUNDSGAARD, EINAR.
MAALØE, OLE URBAN.
MØLLER, CHRISTIAN.
MØLLER, KNUD OVE.
NIELSEN, CHR. OVERGAARD
NIELSEN, H. E. STEEMANN.
NIELSEN, NIELS.
NOE-NYGAARD, ARNE.
NØRLUND, NIELS ERIK.
OLSEN, CARSTEN.
OTTESEN, MARTIN.
PEDERSEN, KAI J.
POULSEN, CHR.
REHBERG, POUL BRANDT.
REIZ, S. ANDERS T.
ROSENKRANTZ, ALFRED J.
RUDKJØBING, MOGENS H.
SAND, KNUD.
SCHOU, AXEL WILLIAM.
SØRENSEN, THORVALD J.
TEILUM, GUNNAR.
THOMSEN, N. MATHIAS P.
THORSON, GUNNAR A. W.
TORNEHAVE, HANS M. N.
TROELS-SMITH, JØRGEN A.
USSING, HANS H.
VEIBEL, STIG ERIK.
WEIS-FOGH, TORKEL
WESTERGAARD, MOGENS C. W.
WINGSTRAND, KARL GEORG.
WINGE, ØJVIND.
ZEUTHEN, ERIK.
ØRSKOV, JEPPE.

Akademiet for de Tekniske Videnskaber (*Academy of Technical Sciences*): 11, Rigensgade, Copenhagen K; f. 1937; c. 400 mems., of which roughly half represent science and half industry and agriculture. Members belong to one of 8 science groups: basic sciences, chemical, mechanical, civil, electrical and agricultural engineering, industrial economy, biology, and hygiene, Seventeen research institutes and associations are affiliated to ATV. President J. L. MANSA; Sec. BJERRE LAVESEN.

LEARNED SOCIETIES

ANTIQUARIANISM

Det Kongelige Nordiske Oldskriftselskab (*Royal Society of Northern Antiquaries*): Prinsens Palais, Copenhagen; f. 1825; approx. 900 mems.; Pres. H.M. KING FREDERIK IX; Vice-Pres. J. BRØNDSTED; Secs. M. ØRSNES, J. HELGASON; publs. *Aarbøger for Nordisk Oldkyndighed og Historie, Nordiske Fortidsminder, New Edition of Old Icelandic Sagas*; library in the National Museum.

ART, ARCHITECTURE

Det Kongelige Akademi for de skønne Kunster (*The Royal Academy of Fine Arts*): Charlottenborg, Copenhagen; f. 1754; Pres. HANS OLSEN; Rector PALLE SUENSON.

Kunstnerforening af 18de November (*Artists' Association of the 18th November*): Copenhagen; f. 1843; Chair. JACOB MEYER, Falkoneralle 41; Sec. MOGENS MÜLLERTZ, Tvorgade 30, Copenhagen.

Malende Kunstneres Sammenslutning (*Painters' Association*): Copenhagen; f. 1909; 300 mems.; Chair. HELGE NIELSEN; Sec. ERIK M. GOLDSCHMIDT, Nørregade 33, Copenhagen.

Dansk Billedhuggersamfund (*Danish Sculptors' Society*): Kunstakadamiet, Charlottenborg, Copenhagen; f. 1905; Chair. HANS OLSEN.

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Danske Arkitekters Landsforbund (*Federation of Danish Architects*): Bredgade 66, Copenhagen; f. 1951; 1,843 mems.; Chair. HANS HENNING HANSEN; Sec. BENT RØGIND; Publs. *Arkitekten, Arkitektur.*

EDUCATION

Foreningen Norden (*Danish Association for Nordic Collaboration*): Malmøgade 3, Copenhagen Ø; f. 1919 for strengthening Nordic cultural, legal and economic collaboration; 63,000 individual members and also national organisations; Pres. O. HEDEGAARD; Man. Dir. OLE HARKJAER.

ENTOMOLOGY

Entomologisk Forening (*Entomological Society*): Zoological Museum, Copenhagen; f. 1868; 300 mems.; Pres. S. L. TUXEN; Sec. H. GØNGET; publ. *Entomologiske Meddelelser* (irregularly. 1-3 numbers a year).

FOUNDATIONS

Ny Carlsbergfondet (*The Ny Carlsberg Foundation*): Dantes Plads, Copenhagen V; f. 1902; supports Danish art and history of art; Pres. JØRGEN STHYR.

Tuborgfondet (*The Tuborg Foundation*); H. C. Andersen's Bd. 22, Copenhagen V; f. 1931; financed by grants from Tuborg Breweries' shareholders; educational grants, especially in support of commerce and industry; Chair. J. A. KØRBING.

GENEALOGY

Samfundet for Dansk Genealogi og Personalhistorie (*The Danish Genealogical and Biographical Society*): Sdr. Fasanvej 46, Copenhagen Valby; f. 1879; Chair. ALBERT FABRITIUS, PH.D.; Sec. SVEN HOUMØLLER; publ. *Personal historisk Tidsskrift* (quarterly).

GEOGRAPHY AND GEOLOGY

Det Kongelige Danske Geografiske Selskab (*The Royal Danish Geographical Society*): Kejsergade 2, Copenhagen; f. 1876; 450 mems.; the library contains *c.* 50,000 vols.; Patron H.M. KING FREDERIK IX; Vice-Pres. Vice-Admiral Dr. A. H. VEDEL, Prof. Dr. NIELS NIELSEN; Sec. Prof. Dr. AXEL SCHOU; Treas. M. MÜLLERTZ, Barrister; Editor: N. KINGO JACOBSEN, M.A.; publs. *Geografisk Tidsskrift, Folia Geographica Danica, Kulturgeografiske Skrifter,* and *Atlas of Denmark.*

Permanent Commission for the Direction of Geological and Geographical Studies in Greenland: Copenhagen; f. 1868.

Geodetic Institute: Copenhagen and Holsteinborg (West Greenland); responsible for surveying Greenland; owns 3 survey vessels, aircraft and helicopters.

HISTORY

Dansk Historisk Forening (*Danish Historical Society*): Kr. Zahrtmanns Plads 83, Copenhagen; f. 1839; Chair. Prof. Dr. HOLGER HJELHOLT; Sec. Prof. Dr. POVL BAGGE and Prof. Dr. ASTRID FRIIS; publ. *Historisk Tidsskrift* (Historical Review, twice yearly).

Dansk Selskab for Oldtids- og Middelalderforskning (*Societas Danica Indagationis Antiqvitatis et Mediiaevi*): Nationalmuseet, Copenhagen; f. 1934; 50 mems.; Pres. P. J. RIIS; Sec. E. LADEWIG PETERSEN, Institute of History, University, Copenhagen; publ. *Classica et Mediaevalia,* Vols. 1-22.

Det Kongelige Danske Selskab for Fædrelandets Historie (*The Royal Danish Society for National History*): H. C. Andersens Boulevard 35, Copenhagen; f. 1745; 25 mems.; 10 foreign correspondents; Pres. HOLGER HJELHOLT; Sec. GEORG GALSTER; publ. *Danske Magazin* (1-8 series, 1745-1962).

Den Danske Komité for Historikernes Internationale Samarbejde (*Danish Committee for International Historical Research*): Kr. Zahrtmanns Plads 83, Copenhagen F.; f. 1926; 29 mems.; Chair. Prof. ASTRID FRIIS.

Institutet for Historie og Samfundsøkonomi (*Institute of History and Economics*): Sct. Pederstraede 5, Copenhagen K; f. 1927; the library contains approx. 4,000 vols.; Chair. Prof. Dr. F. ZEUTHEN; Secs. Prof. Dr. SVEN HENNINGSEN, ERLING OLSEN; Governing Board of 22 mems.; publ. *Økonomi og Politik* (quarterly).

Selskabet for Dansk Kulturhistorie (*Society for the History of Danish Culture*): The National Museum, Copenhagen; f. 1936; 29 mems., 4 foreign correspondents; Pres. GEORG GALSTER; Sec. OLAF OLSEN; publ. *Kulturminder.*

INTERNATIONAL CULTURAL RELATIONS

British Council, The: c/o British Embassy, Kastelsvej 40, Copenhagen; Rep. M. W. BLAKE.

Det Danske Selskab (*Danish Institute for Information about Denmark and Cultural Co-operation with other Nations*): Kultorvet 2, Copenhagen K; establishes active contacts with other countries by providing information about Danish culture and social affairs. Activities include summer schools and study tours. Publications in foreign languages. The organisation has institutes in the United Kingdom (Edinburgh), Benelux (Brussels), France (Lyons), Italy (Milan), Switzerland (Zürich) and Western Germany (Dortmund).

Institut Français: Rosenvaengetsallé 34-38, Copenhagen Ø; Dir. J. KNAPP.

Istituto Italiano di Cultura: Store Kongensgade 45-7, Copenhagen; Dir. Prof. GIOVANNI MAFERA.

Mellemfolkeligt Samvirke (*Danish Association for International Co-operation*): Kronprinsessegade 32, Copenhagen K: promotes international understanding and cultural co-operation; holds seminars and arranges personal exchanges; closely connected with Danish National Commission for UNESCO.

U.S. Information Center: Dag Hammarskjølds Alle 24, Copenhagen.

LAW

International Law Association: Danish branch (133 mems.); f. 1925; Pres. Judge N. V. BOEG; Hon. Sec. KJELD RØRDAM, Bredgade 41, Copenhagen K.

LITERATURE, PHILOLOGY

Dansk Forfatterforening (*Danish Authors' Society*): Ved Stranden 20, Copenhagen K; f. 1894; Chair. HANS LYNGBY JEPSEN; publ. *Forfatteren* (eight yearly).

Det Filologisk-Historiske Samfund (*Philological Society*); Banevej 11, Charlottenlund, nr. Copenhagen; f. 1854; 255 mems.; Pres. E. SPANG-HANSSEN, M.A.; publ. *Studier fra Sprog-og Oldtidsforskning.*

MUSIC

Dansk Komponist-Forening (*Danish Composers' Society*): Kronprinsessegade 26; Copenhagen K; f. 1913; Chair. POUL ROVSING OLSEN.

NATURAL SCIENCES

Danmarks Naturvidenskabelige Samfund (*Society of Natural Sciences of Denmark*): Ø. Voldgade 10, Copenhagen K.; f. 1911; 175 mems.; Pres. E. LUNDSGAARD; Vice-Pres. C. W. PROHASKA, N. E. HOLMBLAD; Sec. PAUL CARPENTIER.

Selskabet for Naturlærens Udbredelse (*The Society for Promotion of Natural Science*): Danmarks tekniske Höjskole, Östervold 10. Copenhagen; f. 1824 by H. C. Örsted; Sec. H. RAHBEK; publ. *Fysisk Tidsskrift* (six annually).

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RESEARCH INSTITUTES

Carlsbergfondet: H. C. Andersens Boulevard 35, Copenhagen V; f. 1876; Pres. Prof. Börge Jessen, ph.d., three Departments:

Carlsberg Laboratoriet: Gl. Carlsbergvej 8-10, Copenhagen Valby; scientific work in chemistry and physiology; Dirs. Prof. M. Ottesen, ph.d. (chemistry), Prof. H. Holter, ph.d. (physiology); publ. *Comptes rendus des travaux du laboratoire Carlsberg.*

General Department for promoting studies in Natural Science, Mathematics, Philosophy, History and Languages; this Department controls the **Carlsbergfondets Biologiske Institute,** Tagensvej 16, Copenhagen N; Dir. Prof. E. Zeuthen, ph.d.

Det National historiske Museum pa Frederiksborg Slot: Hillerød; Dir. Jörgen Paulsen.

Publ. Annual Report in *Oversigt over det. kgl. danske Videnskabernes Selskabs forhandlinger.*

Landøkonomisk Forsøgslaboratorium (*National Research Laboratory on Animal Husbandry*): Rolighedsvej 25, Copenhagen V; f. 1882; the laboratory works under the auspices of a Danish governmental committee and conducts research in animal husbandry and connected subjects; Pres. Johs. Larsen; Sec.-Gen. Holger Aersoe; Dept. of Animal Physiology and Biochemistry (Head of Dept. P. E. Jakobsen); Dept. of Analytical Chemistry (Head of Dept. J. E. Winther); Dept. of Research in Cattle Breeding and Nutrition (Head of Dept. (Vacant); Dept. of Research in Pig Breeding and Nutrition (Head of Dept. Dr. Hj. Clausen); Dept. of Research in Poultry Breeding and Nutrition (Head of Dept. J. Bælum); Dept. of Animal Heredity (Head of Dept. Dr. J. Nielsen); publs. *Beretning fra Forsogslaboratoriet* (reports about six times a year).

Universitetets Astronomiske Observatorium (*Astronomical Observatory of Copenhagen University*): Øster Voldgade 3, Copenhagen K; f. 1642, reorganised 1861; the new University observatory, f. 1950, is located at Brorfelde, Tølløse; Dir. Prof. A. Reiz; publ. *Publikationer og mindre meddelelser fra Københavns Observatorium.*

Ole Rømer-Observatoriet, Aarhus Universitet: Aarhus; f. 1911; photographic and photo-electric stellar photometry, meteors, theoretical astrophysics; 7,000 vols. in library; Dir. Dr. Mogens Rudkjøbing; publ. *Meddelelser fra Ole Rømer-Observatoriet.*

Danmarks Fiskeri- og Havundersøgelser: Charlottenlund Castle, Charlottenlund; f. 1952, when Dansk Biologisk Station (f. 1889) and Kommissionen for Havundersøgelser (f. 1902) were reorganised; undertakes research into the biological and practical aspects of fishing; Acting Dir. Dr. E. Bertelsen; publs. *Meddelelser fra Danmarks Fiskeri- og Havundersogelser, Ny Serie,* scientific series; *Skrifter fra Danmarks Fiskeri- og Havundersøgelser,* popular series in Danish.

Danmarks Paedagogiske Institut (*Danish Institute for Educational Research*): Emdrupvej 101, Copenhagen NV; f. 1954; Dir. Erik Thomsen; Departments: 1 Educational Methodology (Finn Rasborg), 2 Educational Psychology (Jesper Jensen), 3 Tests (Børge Prien), 4 Educational Experiments (Jesper Florander), 5 Statistics (Gustav Leunbach), 6 Distribution of Test Materials (Karen Lyngman).

Universitetets Arktiske Station: Disko, Greenland; f. 1906 for study of arctic nature, especially biology; laboratories and library; Governors: Prof. T. W. Bocher, ph.d., Dr. M. Koie, Prof. R. Sparch, ph.d.; correspondence to: Bestyrelsen for Universitetets Arktiske Station, Frue Plads, Copenhagen K, Denmark.

Statens Seruminstitut: Amager Boulevard 80, Copenhagen; f. 1902; 85 scientists; the library contains 17,000 vols.; Dir. Preben von Magnus; publ. *Communications de Statens Seruminstitut.*

Finseninstitut: Strandboulevard 49, Copenhagen; f. 1896; cancer hospital and institute for research into the action of radiation on living organisms; Pres. J. H. Zeuthen.

Kommissionen for Danmarks Fiskeri- og Havundersøgelser (*Danish Committee for Fisheries Investigations and the Study of the Sea*): Ministry of Fisheries, Borgergade 16, Copenhagen K; f. 1902; the Committee is in charge of all fishery and oceanographic research work, Danish as well as international, in which Denmark participates (Danish waters and the waters off the Faroe Islands and Greenland); the actual research work is carried out by the Danish Institute for Fisheries and Marine Research; Departementschef B. Dinesen; Sec. and Head of Section G. L. Mourier; publs. *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser, Skrifter fra Danmarks Fiskeri- og Havundersøgelser* (irregular).

Danmarks Geologiske Undersøgelse (*Geological Survey of Denmark*): Charlottenlund; f. 1888; Dir. Hilmar Ödum; Senior Geologists Sigurd Hansen, Johs. Iversen, Helge Gry, Werner Christensen, Ole Berthelsen. Librarian Inger Brandt; 20,000 vols.; publ. *Danmarks Geologiske Undersøgelsed L, Series I-V.*

Danske Meteorologiske Institut: Gamlehavealle 22, Charlottenlund; f. 1872; weather forecast, geophysical, magnetic, climatological and nautical services; library contains 30,000 vols.; Dir. Karl O. Andersen; publs. *Annuaire Météorologique; Nautical Meteorological Annual, I and II; Magnetic Yearbook, I and II; Ugeberetning om nedbør m.m.* (weekly), *Meddelelser; Communications Magnétiques.*

Atomenergikommissionens Forsøgsanlæg Risø (*Danish Atomic Energy Commission Research Establishment Risø*): Risø, pr. Roskilde; research in nuclear reactor engineering, physics, chemistry, electronics, health physics, and agriculture; three reactors: DR 1, low energy reactor of homogeneous tyoe (1957); DR 2, 5 MW light water moderated heterogeneous (1958); DR 3, 10 MW heavy water moderated high-flux reactor of the Pluto type (1959); Dir. Prof. Torkild Bjerge; Deputy Dir. Dr. Flemming Juul; publs. *Risø Reports.*

Nordisk Institut for Teoretisk Atomfysik (NORDITA) (*Nordic Institute for Theoretical Atomic Physics*): Blegdamsvej 17, Copenhagen Ø; f. 1957; member countries: Denmark, Finland, Iceland, Norway and Sweden; promotes co-operation in scientific research in theoretical atomic physics between the Nordic countries, trains younger physicists from the member countries; Chair of Board Torsten Gustafson; Dir. C. Møller.

Statistics

Det Statistiske Departement: Frederiksholms Kanal 27, Copenhagen K; f. 1849; central institution for all Danish statistics; the library contains 50,000 vols. Dir. C. Ulrich Mortensen; publs. *Statistisk Årbog* (annually), *Statistiske Efterretninger* (about 85 numbers yearly), *Handelsstatistiske Meddelelser* (monthly), *Statistisk Tabelvaerk* and *Statistiske Meddelelser* (irregular and annual), *Statistiske Undersøgelze* (special items, irregular).

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LIBRARIES AND ARCHIVES

Århus Kommunes Biblioteker (*Århus Public Library*): Mølleparken, Århus; f. 1934; 320,000 vols.; Chief Librarian Å. BREDSTED; publ. *Beretning* (Annual Report).

Biblioteket for Silkeborg og Omegn (*Public Library*): Silkeborg; f. 1900; 70,000 vols., plus 28,000 in the Children's Dept.; Chief Librarian POVL SKOV.

Biblioteket for Vejle By og Amt (*County and Central Library for Vejle*): Flegborg 16, Vejle; f. 1895; 134,200 vols.; Chief Librarian EGON KNUDSEN.

Centralbiblioteket for Sydvestjylland: Esbjerg, Nørregade 25; f. 1897; public library for the city of Esbjerg; central library for the county of Ribe; 56,000 vols.; Chief Librarian INGRID VIG JENSEN; publ. *Tilvaekstkatalog* (annual).

Danmarks Farmaceutiske Højskoles Bibliotek: Universitetsparken 2, Copenhagen Ø; f. 1892; 17,100 vols.; Librarian Prof. Dr. Phil. SVEND AAGE SCHOU.

Danmarks Tekniske Bibliotek (*Technical Library*): Øster Voldgade 10, Copenhagen K; f. 1942; the national technical library, devoted to applied science, except medicine and agriculture (for which see next entry); 165,000 vols., 3,500 current periodicals; Dir. VIBEKE AMMUNDSEN.

Frederiksberg Kømmunebiblioteker (*Public Library*): Solbjergvej 21-25, Copenhagen; f. 1887; 226,345 vols.; 4 brs.; also a children's library (f. 1937), 184,214 vols.; Chief Librarian J. LEHM LAURSEN.

Gentofte Kommunebibliotek (*Public Library*): Øregaards Allé 7, Hellerup; f. 1918; *ca.* 215,000 vols.; 6brs.; also a children's library of *ca.* 80,000 vols.; Chief Librarian J. HELGER; publs. annual report, catalogue of annual accessions.

Handelshøjskolens Bibliotek (*Library of the School of Economics and Business Administration*): Julius Thomsenplads 10, Copenhagen V; 43,000 vols.; Librarian PER BOESEN.

Københavns Kommunebiblioteker (*Copenhagen Municipal Libraries*): Kultorvet, Copenhagen; f. 1885; consist of 940,000 vols.; Chief Librarian CARL THOMSSEN; publ. *Københavns kommunebibliotekers Årsberetning, Københavns kommunebibliotekers Årskatalog* (since 1944).

Københavns Stadsarkiv (*Copenhagen City Archives*): Rådhuset, Copenhagen V; first mentioned 1563; Dir. SIGURD JENSEN; Archivists KAI RASMUSSEN, ELSE M. K. JØRGENSEN; publ. *Historiske Meddelelser om København 1907* ff.

Kongelige Bibliotek, Det (*The Royal Library*); Christian Brygge 8, Copenhagen; f. between 1657 and 1664; contains about 1,300,000 printed volumes, besides collections of music, manuscripts, maps and pictures. Of the volumes, about 4,000 are incunabula dating from before 1500, and about 36,000 are manuscripts containing fine collections of Pali MSS. on palm leaves, a fine collection of Mongolian and Tibetan MSS., and a collection of old Nordic MSS. Included among the latter is the only existing MS. of the Elder Edda and the voluminous Flatoe Book, which contains the story of the Norse discovery of America 500 years before Columbus. The library is the largest in Scandinavia. Among the special collections is the *Bibliotheca Simonseniana* (Judaistic literature). Open to the public. Chief Librarian PALLE BIRKELUND.

Kongelige Veterinaer- og Landbohøjskoles Bibliotek, Den (*Royal Veterinary and Agricultural College Library*): Bülowsvej 13, Copenhagen V; f. 1783; 230,000 vols.; important veterinary and agricultural collection; Chief Librarian H. NIELSEN.

Kunstakademiets Bibliotek: Charlottenborg, Copenhagen; f. 1754; 45,000 vols. on art history, collections of architectural drawings, photographs, etc.; Dir. HENRIK BRAMSEN.

Landsarkivet for Fyen (*The Provincial Archives of Funen*), Odense; f. 1893; the archives include records of local administration of Funen and neighbouring islands and collections of private papers. The Karen Brahe Library, the only nearly complete private Danish library from the 17th century, with about 3,400 printed books and 1,151 MSS., is deposited in the Archives; Dir. C. LINDBERG NIELSEN, M.A.; Archivist ANNE RIISING, M.A.

Landsarkivet for Nørrejylland (*The Provincial Archives of Northern Jutland*): Viborg; f. 1889, opened 1891; the archives include records of local administration of Jutland, collections of private papers and manuscripts; Dir. JENS HOLMGAARD, M.A.; Archivists HELLE LINDE, M.A., KNUD PRANGE, M.A., POUL RASMUSSEN, PAUL G. ØRBERG, M.A.

Nordjyske Landsbibliotek, Det (*Central Library for the County of Aalborg*): Ved Vor Frue Kirke, Aalborg; f. 1895; 181,578 vols.; 6 brs.; also a children's library of 90,485 vols.; Chief Librarian OTTO ESBEN-PETERSEN; publs. *Beretning* (annual), *Katalog* (annual additions).

Odense Centralbibliotek (*Central Library, Odense*): Odense; f. 1924; 100,000 vols.; Chief Librarian POUL MUNCH; publs. *Tilvakst* (Additions), *Beretning* (Report) (both annually).

Rigsarkivet (*National Record Office*): Rigsdagsgården 9, Copenhagen K; f. 1582; consists of a Central Record Office in Copenhagen and four Provincial Record Offices (*Landsarkiver*), situated in Copenhagen, Odense, Viborg and Aabenraa. The Central Record Office contains all medieval documents (1200-1559), the archives of the Central Administration to the present day, and the papers of the Royal family and of famous statesmen; Dir. JOHAN HVIDTFELDT; publs. historical series.

Statens Bibliotekstilsyn (*State Inspection for Public Libraries*): Gammel Kongevej 60, Copenhagen V; f. 1920; controls and advises all the State-supported libraries; library of 3,500 vols. on bibliography and librarianship: Dir. ERIK ALLERSLEV JENSEN; publ. *Biblioteksarbogen* (The Library Year Book).

Statens Paedagogiske Studiesamling (*The State Library of Pedagogics and Child Psychology*): Frederiksberg Allé 22, Copenhagen; f. 1887; contains 125,000 vols.; open to the public; Dir. POUL MÜLLER; publ. *Dansk Paedagogisk Tidsskrift*.

Statsbiblioteket i Aarhus (*State and University Library of Aarhus*): f. 1902; 700,000 vols., including special collections of books on foreign missions, music and books on Schleswig; Chief Librarian IB MAGNUSSEN.

Universitetsbiblioteket: Copenhagen; f. 1482; Division I at Fiolstraede 1—Classics and Reference Library; 500,000 vols., 30,000 vols. Danish newspapers; Chief Librarian H. TOPSØE-JENSEN; Division II at Norre Alle 49—Scientific and Medical Library; 728,000 vols.; Chief Librarian J. PRYTZ JOHANSEN.

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MUSEUMS

Københavns Bymuseum (*Copenhagen City Museum*): Vesterbrogade 59; history of Copenhagen including pictures, architecture, models. Also houses the collection of Kierkegaard relics (opened 1960).

Kunstindustrimuseet (*The Danish Museum of Decorative Art*): Bredgade 68, Copenhagen; was founded in 1894, and contains collections of European and Eastern applied art from the Middle Ages to modern times, and a library of 35,000 vols. on applied art; Pres. J. TROLLE; Dir. ERIK ZAHLE.

Landbrugsmuseet (*The Agricultural Museum*): Sorgenfri, Kongens Lunby; f. 1890; Pres. C. TH. HOLBØLL; Sec. H. WULFF; Curator N. G. HEINE, M.A.

Louisiana: Humlebæk; f. 1958; neo-classic villa and estate transformed into a modern museum of art. Louisiana aims to show how the arts complement each other: painting, sculpture, architecture, landscape gardening and music are all represented. Founder and Dir. KNUD W. JENSEN.

Museet for Danmarks Frihedskamp 1940-1945 (*The Museum of the Danish Resistance Movement 1940-1945*): Esplanaden, Copenhagen; f. 1957; objects, photographs and other materials from the period of the German occupation during World War II; Dir. Dr. AAGE ROUSSELL.

Det Nationalhistoriske Museum paa Frederiksborg (*The Museum of National History at Frederiksborg Castle*): Frederiksborg, Hilleröd; originally built 1600-1620 by King Christian IV; was endowed as an historical museum in 1878. It contains a chronological collection of original portraits and paintings illustrating the history of Denmark, all arranged in rooms, the furniture and appointments of which are in keeping with the period of the paintings. Exhibits number about 10,000; library containing 7,000 vols.; Pres. G. BARDENFLETH, Chamberlain; Dir. JOERGEN PAULSEN; Curators H. D. SCHEPELERN, POVL ELLER; publs. various catalogues and illustrated guides.

Nationalmuseet (*The National Museum*): Prinsens Palæ, Frederiksholms Kanal 12, Copenhagen; f. 1807 on basis of the older Royal Collections; consists of 8 divisions; Dir. Prof. Dr. P. V. GLOB; Keepers: Danish Prehistoric Collection Dr. TH. MATHIASSEN; Danish Historical Collection Dr. AAGE ROUSSELL; Danish Folk Museum H. RASMUSSEN; Ethnographic Collection Dr. K. BIRKET-SMITH; Collection of Classical Antiquities Dr. M. L. BUHL; Royal Collection of Coins and Medals O. R. MØRKHOLM; Open-air Museum at Sorgenfri P. MICHELSEN; Department of Natural Science Dr. J. TROELS-SMITH. Publs. *Nationalmuseets Arbejdsmark* (yearb ook), *Nationalmuseets Skrifter* (in 3 series), *Nyt og Noter* (6 a year), catalogues.

Naturhistorisk Museum (*Natural History Museum*): Universitetsparken, Aarhus; f. 1921; permanent field laboratory, "Molslaboratoriet", Femmöller; the museum laboratories are open to scientists, and specialise in terrestrial ecology; the library contains 15,000 vols.; Pres. TH. AASTRUP; Dir. H. M. THAMDRUP, PH.D.; publs. *Natura Jutlandica*, collected papers, *Natur og Museum* (popular scientific quarterly).

Ny Carlsberg Glyptothek: Dantes Plads, Copenhagen; was founded in 1888. It contains original and notable works of art representative of various countries and periods. A modern division is devoted to Danish and French sculpture and painting, an ancient division to a collection of Egyptian, Greek, Roman and Etruscan art, composed mainly of sculpture; Pres. and Dir. JØRGEN STHYR; Dir. Dr. VAGN POULSEN; Curators HAAVARD ROSTRUP (Danish and French art), OTTO KOEFOED-PETERSEN (Egyptian art), MOGENS GJØDESEN, FLEMMING JOHANSEN (Greco-Roman art).

Orlogsmuseet (*The Royal Naval Museum*): St. Nicolai Church, Copenhagen; ship-models, weapons, illustrations and other souvenirs of the history of the Danish navy.

Rosenborg Slot (*Rosenborg Castle*): Østervoldgade 4A, Copenhagen; contains "The Chronological Collection of the Danish Kings"; the collection was founded by Frederik III about 1660, and consists of arms, apparel, jewellery, and furniture from 1470-1906; the Crown Jewels are also here; Dir. Chamberlain G. BARDENFLETH, Curator G. BOESEN.

Statens Museum for Kunst (*The Royal Museum of Fine Arts*): Sølvgade, Copenhagen; contains a collection of Danish paintings and sculpture; a number of works of 19th- and 20th-century Norwegian and Swedish artists; a collection of modern French art; about 600 paintings by old masters of the Italian, Flemish, Dutch and German Schools. The last-mentioned section is chiefly composed of paintings from the old royal collection, which was organised as an art gallery in the 1760's. The prints department includes about 150,000 Danish and foreign prints and drawings. Library of about 30,000 vols. The museum was transferred to its own building in 1896. Dir. JØRN RUBOW; Curators (Painting and Sculpture): L. R. BØYESEN, M.A., H. OLSEN, M.A., PH.D., B. SKOVGAARD, M.A.; (Prints and Drawings): E. FISCHER, M.A., H. FINSEN, M.A.; publs. *Kunstmuseets Aarsskrift* (annual) and catalogues.

Thorvaldsen's Museum: Slotsholmen, Copenhagen K; contains a complete collection of the works of the famous Danish sculptor, Bertel Thorvaldsen, and his collections of contemporary paintings and classic antiques, the whole bequeathed by the artist in 1837 to his native city, Copenhagen. The building is one of the finest examples of 19th-century classical architecture. In the courtyard is Thorvaldsen's tomb. The museum was opened to the public in 1848. Dir. SIGURD SCHULTZ; Curator DYVEKE HELSTED; publs. official guides in Danish, English, German and French, and *L. Müller: Musée Thorvaldsen* (1849-51), *Meddelelser fra Thorvaldsens Museum* (appearing every 2nd or 3rd year).

Tøjhusmuseet (*Royal Danish Arsenal Museum*): Frederiksholms Kanal 29 (Administration), and Tøjhusgade 3 (main entrance), Copenhagen; f. 1838; central State museum for arms and armour in Denmark; the museum covers the history of arms, both military and private, in Europe from the introduction of gunpowder till the present time and also the history and development of all kinds of international military materials; Dir. J. PAULSEN; Curators ARNE HOFF, PH.D. (Small Arms), FINN ASKGAARD, M.A. (Swords and Armour), EGON ERIKSEN, M.A. (Ordnance), (Vacant) (Uniforms and Equipment).

Zoologisk Museum (*The University Zoological Museum*): Universitetsparken, Copenhagen; f. 1770; collection includes whales and Arctic animals, Danish and South American fossils and marine animals from all seas; Dir. H. VOLSØE; publs. *The Danish Ingolf Expedition, Spolia Zoologica Musei Hauniensis, Atlantide Report, Galathea Report.*

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UNIVERSITIES AND TECHNICAL UNIVERSITY

ÅRHUS UNIVERSITET

ÅRHUS

Telephone: 34311

Founded 1928.

Rector: Prof. Dr. H. BACH.

Pro-rector: Prof. Dr. E. HAMMERSHAIMB.

Secretary: POUL JØRGENSEN.

Number of professors: 76.

Number of students (1961-62): 2,137 men, 751 women, total 2,888.

Publication: *Acta Jutlandica* (yearly).

DEANS:

Faculty of Arts: PER NYKROG.
Faculty of Medicine: E. THOMASEN.
Faculty of Law and Economics: THOGER NIELSON.
Faculty of Divinity: P. G. LINDHARDT.
Faculty of Natural Sciences: H. M. THAMDRUP.

PROFESSORS:

Faculty of Arts:

ALBECK, G. (Danish Literature).
BACH, H. (Germanic Philology).
BLATT, FRANZ (Classical Languages).
BLINKENBERG, ANDREAS (Romance Philology).
BØGGILD-ANDERSEN, C. O. (History).
DAHL, TORSTEN (English Philology).
HANNESTAD, KNUD (Mediaeval History).
HARTNACK, JUSTUS (Philosophy).
HJORT, GRETHE (English Literature).
HOLT, JENS (Comparative Linguistics).
JOHANSEN, H. FRIIS (Classical Languages).
KRISTENSEN, SV. MØLLER (Nordic Literature).
KRÜGER, PAUL (Comparative Literature).
LUNDING, ERIK (Germanic Philology).
NYKROG, PER (Romance Philology).
RASMUSSEN, ERIK (Political Science).
SASS, ELSE KAI (History of Art).
SIIGER, H. (History of Religion).
SKAUTRUP, PETER (Nordic Philology).
STENDER-PETERSEN, AD. (Slav Languages and Literatures).
THOMSEN, RUDI (Ancient History).
WESTERGÅRD-NIELSEN, CHR. (Western Nordic Language and Literature).

Faculty of Medicine:

AALKJÆR, V. (Surgery).
ANDERSEN, BENT (Pediatrics).
ANDERSEN, H. C. (Otolaryngology).
BICHEL, JØRGEN (Comparative Pathology).
BLIXENKRONE-MØLLER, N. (Surgery).
EINARSON, LÁRUS (Anatomy).
HOLM-JENSEN, IB. (Pharmacology).
HOLTEN, CAI (Internal Medicine).
INGERSLEV, MOGENS (Gynæcology).
JENSEN, VIGGO (Ophthalmology).
KAAE, S. (Radiology).
LAMBERT, BENGT (Hygiene).
LOMHOLT, ESBERN (Dermatology and Venereal Diseases).
LUNDBAEK, KNUD (Internal Medicine).
MALMROS, R. (Neurosurgery).
MUNCH-PETERSEN, C. J. (Neurology).
MUNCK, WILLY (Pathological Anatomy).
NØRBY, GREGERS (Epidemiology).
ØRSKOV, SØREN L. (Physiology).
SCHØNHEYDER, FRITZ (Biochemistry).
STENDERUP, AKSEL (Bacteriology).
STRÖMGREN, ERIK (Psychiatry).
SØNDERGAARD, TYGE (Surgery).
THOMASEN, E. (Orthopedy).

Faculty of Law and Economics:

BECH, ROBERT (Jurisprudence).
DICH, JØRGEN (Public Finance and Political Science).
FREDENS, S. (Economic Planning).
GELTING, JØRGEN (National Economy).
ILLUM, KNUD (Jurisprudence).
JØRGENSEN, STIG (Jurisprudence).
LUND, TORBEN (Jurisprudence).
MADSEN, VAGN (Economic Planning).
MEYER, POUL (Political Science).
NIELSEN, THØGER (Jurisprudence).
PEDERSEN, JØRGEN (National Economy).
PETERSEN, ORLA STRANGE (Statistics).
SØRENSEN, MAX (Jurisprudence).

Faculty of Divinity:

HAMMERSHAIMB, ERLING (Old Testament Exegesis).
LINDHARDT, P. G. (Church History).
LØGSTRUP, K. E. (Ethics and Philosophy of Religion).
MUNCK, JOHANNES (New Testament Exegesis).
PRENTER, REGIN (Dogmatics).
SLØK, JOHANNES (Theology).

Faculty of Natural Science:

ANDERSEN, E. S. (Mathematics).
BERTHELSEN, A. S. (Geology).
BRODERSEN, SVEND (Chemistry).
BROSTRØM, K. J. (Physics).
BUNDGAARD, SVEND (Mathematics).
HUMLUM, JOHANNES (Geography).
KRISTENSEN, P. V. (Physics).
LINDHARD, JENS (Physics).
LUND, HAKON (Chemistry).
MUUS, LAURITS T. (Chemistry).
NIELSON, CHR. OVERGAARD (Soil Biology).
NIELSEN, KARL OVE (Physics).
RASMUSSEN, SVEND ERIK (Chemistry).
RUDKJØBING, M. (Astronomy).
THAMDRUP, H. M. (Zoology).

School of Journalism: f. 1946; Dir. E. RESKE-NIELSEN.

KØBENHAVNS UNIVERSITET

FRÜE PLADS, COPENHAGEN K.

Telephone: Copenhagen 10828

Founded 1479

Rector: Prof. Dr. CARL IVERSEN.
Curator: E. A. KOCH.
Secretary and Registrar: OLAF WAAGE.

Number of professors: 159.
Number of students: Over 10,000.

DEANS:

Faculty of Theology: SVEND HOLM-NIELSEN.
Faculty of Law: KNUD WAABEN.
Faculty of Medicine: GREGERS THOMSEN.
Faculty of Philosophy: HANS SØRENSEN.
Faculty of Mathematics and Natural Science: THØGER BANG.

PROFESSORS:

Faculty of Theology:

ANDERSEN, NIELS KNUD (Danish Church History).
CHRISTENSEN, TORBEN (Church and Dogmatic History).
HOLM, S. (Systematic Theology).
HOLM-NIELSEN, SVEND (Old Testament Exegesis).
KOCH, H. (Church History).
LINTON, O. (New Testament Exegesis).
NIELSEN, EDUARD (Old Testament Exegesis).
NOACK, BENT (New Testament Exegesis).
SKYDSGAARD, K. E. (Dogmatics and New Testament Exegesis).
SØE, N. H. (Systematic Theology).

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Faculty of Law:
ANDERSEN, E. (Law).
BORUM, O. A. (Law).
CHRISTENSEN, BENT (Law).
EYBEN, W. E. VAN (Law).
GOMARD, BERNARD (Law).
IVERSEN, CARL (Economics).
JUUL, S. (Law).
KRUSE, A. VINDING (Law).
ØLLGAARD, ANDERS (Economics).
PEDERSEN, H. WINDING (Economics).
PHILIP, A. (Law).
RASCH, G. (Statistics).
RASMUSSEN, P. NØRREGAARD (Economics).
RASTING, C. (Law).
ROSS, ALF (Law).
SVALASTOGA, KAARE (Sociology).
WAABEN, K. (Law).

Faculty of Medicine:
ANDERSEN, OLÜF (Children's Diseases).
ANDREASEN, E. (Anatomy).
ASBOE-HANSEN, G. (Skin and Venereal Diseases).
BERTELSEN, ARNE (Orthopedy).
BONNEVIE, P. (Hygiene).
BRØCHNER-MORTENSEN, K. (Internal Medicine).
BUCHTHAL, F. (Neurophysiology).
EHLERS, H. (Ophthalmology).
FABER MOGENS (Medical Radiobiology).
FOG, M. (Neurology).
GORMSEN, HARALD (Forensic Medicine).
HANSEN, A. T. (Internal Medicine).
HUSFELDT, E. (Surgery).
JENSEN, K. A. (Pathology).
KRISTENSEN, HARALD K. (Oto-Rhino-Laryngology).
LANDBOE-CHRISTENSEN, E. (Anatomy).
LASSEN, H. C. A. (Contagious Diseases).
LUNDQUIST, F. (Biological Chemistry).
LUNDSGAARD, E. (Physiology).
LUNN, VILLARS (Psychiatry).
MØLLER, EGGERT (Internal Medicine).
MØLLER, K. O. (Pharmacology).
NIELSEN, JENS (Radiotherapy).
OKKELS, H. (Anatomy).
PLUM, P. (Children's Diseases).
TEILIUN, GUNNAR (Pathological Anatomy).
THERKELSEN, FR. (Surgery).
THOMSEN, GREGERS (Radiology).
TROLLE, D. (Midwifery and Gynæcology).

Faculty of Pholisophy:
ANDERSEN, POUL (Danish Dialectology).
ARNHOLTZ, A. (Metrics and Recitation).
BAGGE, POVL (History).
BARR, K. (Iranian Philology).
BECH, G. (German Language).
BECKER, C. J. (Prehistoric Archæology).
BENDZ, C. G. M. (Classical Philology).
BODELSEN, C. A. (English Language and Literature).
CHRISTENSEN, AKSEL E. (History).
CHRISTENSEN, J. (Classical Philology).
DIDERICHSEN, PAUL (Danish Language).
EGEROD, SØREN C. (East Asian Languages).
ELLING, C. (Art History).
FRIIS, ASTRID (History).
FRIIS, OLUF (Nordic Literature).
FROM, FRANZ (Psychology).
GLAMANN, KRISTOF (History).
GRUE-SØRENSEN, K. (Pedagogics).
HALD, KRISTIAN (Scandinavian Languages).
HELGASON, JON (Icelandic Language and Literature).
HENDRIKSEN, HANS (Indian and Eastern Philology).
HENNINGSEN, SVEN (Modern History).
HJELMSLEV, L. (Comparative Philology).
HOLTVED, E. (Eskimo Language and Culture).
HØYBYE, P. (Romance Languages and Literature).
JACOBSEN, ERIC (English Language and Literature).
JANSEN, F. J. BILLESKOV (Danish Literature).
JENSEN, POVL JOHS (Classical Philology).
JUNGBLUTH, GUNTHER (German Philology).
JØRGENSEN, JØRGEN (Phllosophy).
JØRGENSEN, PETER (German Language).
KROGH, TORBEN (Aesthetics and History of Opera).
LARSEN, J. P. (Music).
LÆSSØE, JORGEN (Assyriology).
LØKKEGAARD, F. (Oriental Philology).
LUKMAN, N. (Scandinavian and Germanic Legendary History).
MATRAS, CHR. (Faroe Language and Literature).
PALLIS, S. AA. (History of Religions).
RASMUSSEN, E. TRANEKJÆR (Psychology).
RIIS, P. J. (Archæology).
RUBOW, PAUL V. (General Literature).
SCHIBSBYE, K. (English Language and Literature).
SCHIØRRING, NILS (Music).
SCHULTZER, BENT (Philosophy).
SØRENSEN, HANS (Romance Language and Literature).
SØRENSEN, HANS CHR. (Slavonic Philology).
STEENSBERG, AXEL (Folk Culture with material aspects).
STEFFENSEN, STEFFEN (German Philology).
STEN, H. (Romance Language and Literature).
STIEF, CARL (Slavonic Languages).
TOGEBY, KNUD (Romance Languages and Literatures).
WITT-HANSEN, JOHANNES (Philosophy).

Faculty of Mathematics and Natural Science:
ANDERSEN, EINAR (Geodesy).
ASMUSSEN, E. (Theory of Gymnastics).
BAK, BØRGE (Molecular Spectroscopy).
BALLHAUSEN, C. J. (Chemistry).
BANG, THØGER (Mathematics).
BERG, K. (Freshwater Biology).
BJERRDLUM, JANNIK (Chemistry).
BÖCHER, TYGE W. (Botany).
BØGGILD, J. K. (Physics).
BOHR, AAGE (Physics).
BRØNDSTED, H. V. (Zoology).
CHRISTENSEN HOHWÜ, E. (Theory of Gymnastics).
DANSGAARD, W. (Mass Spectrometry).
DEGERBOL, MAGNUS (Quaternary Zoology).
ELIASEN, E. (Meteorology).
FEILBERG, C. G. (Cultural Geography).
FENCHEL, W. (Mathematics).
HALD, A. (Statistics).
HUUS, TORBEN (Physics).
JACOBSEN, J. C. (Physics).
JENSEN, HØJGAARD H. (Physics).
JENSEN, K. A. (Chemistry).
JESSEN, BØRGE (Mathematics).
KOCH, J. (Physics).
LANGE, M. (Botany).
LASSEN, N. O. (Physics).
MAALØE, OLE (Microbiology).
MØLLER, C. (Mathematical Physics).
MÜLLER, DETLEV (Plant Physiology).
NIELSEN, NIELS (Geography).
NOE-NYGAARD, A. (Mineralogy).
PIHL, MOGENS (Physics).
POULSEN, C. (Prehistoric Geology and Palaeontology).
REHBERG, P. BRANDT (Zoophysiology).
REIZ, ANDERS (Astronomy).
ROSENKRANTZ, ALFRED (Geology).
SCHOU, AXEL (Geography).
SIMONSEN, W. (Actuarial Science).
SØRENSEN, HENNING (Geology).
SØRENSEN, THORVALD (Botany).
SPÄRCK, R. (Zoology).
THORSON, GUNNAR (Marine Biology).
TORNEHAVE, H. (Mathematics).
USSING, H. H. (Biochemistry).
WEIS-FOGH, TORKEL (Zoophysiology).
WETTSTEIN, DIETRICH VON (Genetics).
WINGSTRAND, K. G. (Anatomy and Morphology).

DANMARKS TEKNISKE HØJSKOLE
(Technical University of Denmark)
ØSTERVELDGADE 10, COPENHAGEN K
Telephone: Minerva 6950

President: Prof. Dr. E. KNUTH-WINTERFELDT.
Vice-President: Prof. L. HYLDGAARD-JENSEN.
Secretary: P. CARPENTIER.

Number of professors: 63.
Number of students: men 2,395, women 95, total 2,490.

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DEANS:

Faculty of Common Sciences: Prof. Dr. S. LAURITZEN.
Faculty of Civil Structural Engineering: Prof. Dr. P. H. BENDTSEN.
Faculty of Electrotechnics: Prof. Dr. F. H. B. INGERSLEV.
Faculty of Chemical Science: FRODE BRAMSNÆS.
Faculty of Mechanical Science: Prof. OVE HOFF.

PROFESSORS:

ANDERSEN, S. A. (Machinery).
ANDREASEN, A. H. M. (Technical Chemistry).
ASMUSSEN, R. W. (Chemistry).
BENDTSEN, P. H. (Road and Railway Engineering).
BISGAARD, N. F. (Heating and Ventilating).
BJERGE, T. (Physics).
BJÖRKMAN, ANDERS E. G. (Technical Chemistry).
BRØNDUM-NIELSEN, T. (Structural Engineering).
BRUUN, GEORG (Electronics).
BUCH, K. RANDER (Mathematics).
CARLSEN, TAGE (Physics).
DAM, C. P. H. (Biochemistry and Nutrition).
ENGELUND, FRANK (Hydraulics).
FABRICIUS-BJERRE, F. (Mathematics).
FOELNER, E. (Mathematics).
FRANK, VERNER (Physics).
FREDERIKSEN, EYVIND (Machinery).
FUGLEDE, B. (Mathematics).
GUDNASON, C. H. (Machine Technics).
HANNEMANN, J. G. (Structural and Bridge Engineering).
HANSEN, J. BRINCH (Geotechnics and Foundations).
HARVALD, S. A. (Shipbuilding).
HOFF, OVE, (Casting, Forging and Welding).
HOFMAN-BANG, N. (Inorganic Chemistry).
HYLDGAARD-JENSEN, L. (Electrical Machinery).
INGERSLEV, F. H. B. (Telecommunications).
JENSEN, ARNE (Mathematics).
JENSEN, JENS R. (Servomechanisms).
JENSEN, K. ERIK (Technical Hygiene).
JENSEN, PER GERT (Impulses).
JEPPESEN, V. A. (Machine Technics).
JESPERSEN, AAGE (Constructions).
JOHANSEN, K. W. (Theory of Statics, Structural and Bridge Engineering).
JØRGENSEN, H. (Technical Bio-Chemistry).
JØRGEVSEN VILHELM TH. (Mathematics).
KJÆR, V. A. (Mechanical Engineering).
KLENUM, A. (Geodesy and Surveying).
KNUDSEN, H. LOTTRUP (Electro-magnetic Theory).
KNUTH-WINTERFELDT, E. (Metallurgy).
KOEFOED, J. (Chemistry).
KOFOED-HANSEN, O. M. (Physics).
LAURITZEN, S. (Mathematics).
LUNDGREN, H. (Harbour Building and Foundations).
MELDAHL, A. (Mechanical Engineering).
MEYER, NIELS (Physics).
MØLLER, MAX (Photo-Chemistry).
NIELSEN, ASGER (Physics).
NIELSEN, H. PEÜLICKE (Industrial Electronics).
NIORDSON FRITHIOF (Machinery).
OLSEN, K. V. (Designing Tools and Machine Tools).
PAULY, HANS J. (Crystallography and Mineralogy).
PETERSEN, RICH. (Mathematics).
PROHASKA, C. W. (Shipbuilding).
RASMUSSEN, R. E. H. (Physics).
RAVN, H. H. (Road and Railway Engineering).
REFSLUND, K. (Fluid Mechanics).
RYBNER, J. (Power Current).
SÆRMARK, KNUD (Physics).
SORGENFREI, THEODOR (Technical Geology).
SØLTOFT, P. (Technical Chemistry).
TRUMPY, GEORG (Physics).
VEIBEL, S. (Organic Chemistry).
VØRTS, S. A. (Electrical Power Plants and Transmission).

AFFILIATED INSTITUTIONS:

Akademiet for de Tekniske Videnskaber (*Academy of Technical Sciences*). (*See* also under Academies).

Asfaltindustries Vejforskningslaboratorium (*Asphalt Industries' Road Research Laboratory*).

Biocentralen (*Association of Biotechnical Industry and Research*).

Danatom (*Danish Association for Industrial Development of Atomic Energy*).

Dansk Fedtforskningsinstitut (*Danish Fat Research Institute*).

Forskningsinstituttet for Handels-og Industriplanter (*The Research Institute of Commercial and Industrial Plants*).

Geoteknisk Institut (*Danish Geotechnical Institute*).

Instituttet for Elektronikmateriels Pålidelighed (*Institute of Electronics Equipment Reliability*).

Isotopcentralen (*Danish Isotope Centre*).

Lak-og Farveindustriens Forskningslaboratorium (*Central Research Laboratory of the Danish Varnish and Paint Industry*).

Lydteknisk Laboratorium (*Acoustical Laboratory*).

Mikrobolgelaboratoriet (*Microwave Laboratory*).

Optisk Laboratorium (*Laboratory for Technical Optics*).

Radioteknisk Forskningslaboratorium (*Radio Receiver Research Laboratory*).

Regnecentralen (*Danish Institute of Computing Machinery*).

Servoteknisk Selskab (*Servo-Technical Association*).

Svejsecentralen (*Danish Central Welding Institution*).

Træradet (*Danish Wood Council*).

COLLEGES

Handelshøjskolen i København (*The Copenhagen School of Economics and Business Administration*): Julius Thomsensplads 10, Copenhagen V; f. 1917.

Rector: Prof. JAN KOBBERNAGLE.
Secretary: HOLGER ALMDAL.
Library: *see under* Libraries.
Number of teachers: 163 including 16 professors.
Number of students: 3,100.
Publications: *Handelshøjskolens Skriftrækker* (series of publications).

PROFESSORS:

AAGESEN, AAGE.
ALKJÆR, AJLER.
ANDERSEN, P. NYBOE.
BYARKE, FOG.
GOLDSCHMIDT, VERNER.
HANSEN, PALLE.
HILHOJ, POUL.
JENSEN, ERNST LYKKE.
KJÆR-HANSEN, MAX.
KOBBERNAGEL, JAN.
KRISTENSEN, THORKIL.
LANDO, OLE.
LANDO, Z. D.
RASMUSSEN, ARNE.
STANGERUP, HAKON.
WINDING, POUL.

Københavns Tandlaegehøjskole (*Royal Dental College*): Universitetsparken 4, Copenhagen Ø; f. 1888.

Dean: Prof. Dr. P. O. PEDERSEN, L.D.S., DR.ODONT. F.D.S., R.C.S.
Administrator: Dr. Jur. M. SCHULTZER-NIELSEN.
Number of teachers: 117, including 10 professors.
Number of students: men 375, women 269, total 644

PROFESSORS:

BJÖRK, A., L.D.S., DR.ODONT.
HOLST, J. J., L.D.S., DR.ODONT.
HUSTED, E., DR.MED.
JACOBSEN, H. H., M.D.
JØRGENSEN, K. DREYER, L.D.S., M.S., DR.ODONT.
KROGH-POULSEN, W., L.D.S., DR.ODONT.
PEDERSEN, P. O., L.D.S., DR.ODONT., F.D.S., R.C.S.
PINDBORG, J. J., DR.ODONT.
MOE, H., DR.MED.
HOFF-JØRGENSEN, E., DR.PHIL.

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Århus Tandlaegehøjskole (*Royal Dental College*, Arhus): Vennelyst Boulevard, Arhus C; f. 1958.

Dean: Prof. Dr. P. A. KNUDSEN, Dr.Med., L.D.S.
Administrator: Dr. Jur. KAI STORM.

Number of teachers: 66, including 7 professors.
Number of students: men 217, women 118, total 335.

PROFESSORS:

ANDERSEN, PALLE, MAG.SCIENT.
DARLING, SVEN, DR.PHIL.
GLAHN, MOGENS, DR.MED.
HARVOLD, E., DR.PHILOS.
KNUDSEN, P. A., L.D.S., DR.MED.
LÖE, HARALD, DR. ODONT.
NIELSEN, KAI, DR.MED.

Danmarks Farmaceutiske Højskole (*The Royal Danish School of Pharmacy*): Universitetsparken 2, Copenhagen Ø; f. 1892.

Rector: Prof. SVEND AAGE SCHOU, PH.D.
Treasurer: G. BRILL JENSEN.
Secretary: H. FEILBERG.

Number of teachers: 52, including 7 professors.
Number of students: 710 (men and women).

PROFESSORS:

ANDERSEN, V. STEN, PH.D. (Chemistry).
JACOBSEN, ERIK, M.D. (Pharmacology).
KOFOD, HELMER, PH.D. (Chemistry).
LUND, BODIL JERSLEV, PH.D. (Chemistry).
NIELSEN, H. E. STEEMANN, PH.D. (Botany).
SCHOU, S. A., PH.D. (Pharmacy).
THORSEN, V., PH.D. (Physics).

Den kongelige Veterinær- og Landbohøjskole (*The Royal Veterinary and Agricultural College*): Bulowsvej 13, Copenhagen V; f. 1856.

Rector: Prof. AKSEL MILTHERS.
Secretary of the Board of Faculties: Prof. N. J. DAHL.
Administrator: A. PALUDAN.
Head of the College Arboretum in Hørsholm: Dr. AGRO C. SYRACH LARSEN.

Number of teachers: 190, including 42 professors.
Number of students: 1,008 men, 50 women, total 1,058.
Publications: *Year-Book of the Royal Veterinary and Agricultural College.*

DEANS:

Faculty of Veterinary Science: Prof. Dr. Med. Vet. AA. THORDAL-CHRISTENSEN.
Faculty of Agricultural Science: Prof. Sv. DALBRO.
Faculty of Basic Sciences: Prof. Dr. VALD. MIKKELSEN.

PROFESSORS:

ANDERSEN, SIGURD (Agricultural Plant Culture).
ASLYNG, Dr. H. C. (Agricultural Hydrotechnology).
BENDIXEN, H. CHR. (Special Pathology and Therapeutics).
BUCHWALD, N. FABRITIUS (Plant Pathology).
CLAUSEN, Dr. HJ., (Animal Husbandry).
DAHL, N. J. (Agricultural Civil Engineering).
DALBRO, SVEN (Horticulture).
DALGAARD-MIKKELSEN, SV., DR.MED.VET. (Pharmacology).
DRENCK, K., PH.D. (Physics).
FOG, D., PH.D. (Mathematics).
GABRIELSEN, E. K., PH.D. (Plant Physiology).
GERT ESPERSEN, J. (Veterinary Chirurgy).
HENRIKSEN, H. A., DR.AGRIC. (Forestry).
HERMANSEN, N. K. (Forestry).
JAKOBSEN, P. E. (Animal Physiology).
JENSEN, A. TOVBORG, PH.D. (Chemistry).
JENSEN, H. M. (Dairy Science).
JENSEN, S. TOVBORG (Agricultural Chemistry and Soil Science).
JEPSEN, AAGE (Veterinary Hygiene and Bacteriology).
JØRGENSEN, C. A., PH.D. (Genetics).
KJAER, ANDERS, PH.D. (Chemistry).
KLOUGART, ASGER (Horticulture).
LINDBERG, NIELS, DR.POLIT. (Political Economy).
MIKKELSEN, VALD. M., PH.D. (Botany).
MILTHERS, AKSEL (Agricultural Geography, Marketing, History and Policy).
MOLTESEN, P. (Forestry).
MOUSTGAARD, JOHS., DR.MED.VET. (Endocrinology and Sexual Physiology).
NEIMANN SØRENSEN A., DR.MED.VET. (Animal Husbandry).
PEDERSEN, AXEL (Agricultural Plant Culture).
PETERSEN, ERIK J. (Microbiology).
RASBECH, N. O. (Gynaecology and Obstetrics).
SCHACHT, H. R. (Farm Machinery).
SJOLTE, J. P. (Pathological Anatomy).
SKOVGAARD, KR. (Agricultural Economics).
SODE-MOGENSEN, MOGENS (Dairy Chemistry and Bacteriology).
STEENBJERG, F., DR.AGRIC. (Soil Fertility and Plant Nutrition).
SØRENSEN, ED. (Anatomy).
THOMSEN, MATH., PH.D. (Zoology).
THORDAL-CHRISTENSEN, AAGE, DR.MED.VET. (Veterinary Medicine).
THORKIL-JENSEN, N. (Surveying).
TOLSTRUP, FL. (Agricultural Law).
(Vacant—Systematic Botany).

Danmarks Biblioteksskole (*The Royal School of Librarianship, Copenhagen*): 10 Lindevangs Allé, Copenhagen F.; f. 1956; number of teachers 35, including 8 instructors; number of students 260; library 3,000 vols.

Rector: PREBEN KIRKEGAARD.

Danmarks Laererhøjskole (*National Graduate School of Education*): Emdrupborg, Emdrupvej 101, Copenhagen NV; f. 1856; teaching staff 75, students 900.

Det Tekniske Selskabs Skoler (*The Technical Society's Schools*): Julius Thomsensgade 5, Copenhagen; teaching staff, about 900; students, about 13,000.

Director: Dr. HARALD HORNBY.

Teknologisk Institut (*The Technological Institute*): Hagemannsgade 2, and Bülowsvej 34, Copenhagen; f. 1906; teachers 300, students 11,280; library contains approx. 43,000 vols.

Director: JØRGEN ZEDELER.

Jydsk Teknologisk Institut (*Technological Institute*): Marselis Boulevard 125, Aarhus; f. 1943. Number of students 5,000.

Director: A. CHR. KNUDSEN.

SCHOOLS OF ART AND MUSIC

Det Kongelige Akademi for de Skønne Kunster (*The Royal Academy of Fine Arts*): Charlottenborg, Kgs. Nytorv 1, Copenhagen K; art teaching, including architecture and design; Dir. of School PALLE SUENSON.

Det Kongelige Danske Musikkonservatorium (*The Royal Danish Academy of Music*): H. C. Andersens Boulevard 36, Copenhagen; f. 1866; Associate Professors 73; students: men 109, women 92, total 201.

President: KNUDÅGE RIISAGER.
Librarian: OTTO MORTENSEN.
Secretary: POUL JACOBSEN.

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DOMINICAN REPUBLIC

Population 4,070,108

ACADEMIES

Santo Domingo

Academia Dominicana (*Santo Domingo Academy*): corresponding of the Real Académia Española, Madrid; 17th in order of foundation in Spanish America; Vice-Pres. D. PORFIRIO HERRERA; Sec. ANTONIO FERNÁNDEZ SPENCER.

MEMBERS:

BALAGUER, JOAQUÍN.
BONELLY, RAFAEL F.
DÍAZ ORDÓÑEZ, VIRGILIO.
FERNÁNDEZ SPENCER, ANTONIO.
GARRIDO, VÍCTOR (elected).
HENRÍQUEZ UREÑA, Dr. MAX.
JIMÉNEZ, R. EMILIO.
MEJÍA, GUSTAVO ADOLFO.
MOTA, FABIO A.
PATÍN MACEO, MANUEL A.
PIETER, HERIBERTO.
PIÑEIRO, JULIO A. (elected).
ROBLES TOLEDANO, OSCAR.
RODRÍGUEZ DEMORIZI, EMILIO.

Academia Dominicana de la Historia (*Academy of History*): Calle de las Mercedes; f. 1931; Pres. Dr. J. MARINO INCHAUSTEGUI; Sec. Dr. RAFAEL MOLINA MORILLO; Librarian Lic. CESAR A. HERRERA; publ *Clio* (quarterly).

MEMBERS:

ALVAREZ, Lic. FEDERICO C.
FRANCO, Dr. L. ENRIQUE.
GOICO, Lic. CARLOS RAFAEL.
HERRERA BILLINI, Lic. HIPOLITO.
HUNGRIA, JOSE ANTONIO.
NOLASTO, SOCRATES.
PANCHECO, Dr. ARMANDO OSCAR.
PRATS RAMIREZ, Lic. FRANCISCO.
PEPEN, Mons. JUAN F.

12 national corresponding mems., 55 foreign.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Santo Domingo

Alliance Française: Calle Mercedes 155; Dir. G. MOREAU.

Asociación Médica Dominicana (*Dominican Medical Association*): Apartado de Correos No. 1,237, Santo Domingo; f. 1941; 551 mems.; Pres. Dr. MARCIAL MARTÍNEZ LARRÉ; Sec. Dr. LUIS M. DESPRADEL; publ. *Revista Médica Dominicana* (Dir. Dr. SIXTO INCHÁUSTEGUI).

Instituto Cartográfico Militar de las Fuerzas Armadas (*Military Cartographic Institute*): f. 1950; Dir. Lt.-Commander JOSÉ J. HUNGRÍA M.

Instituto de Investigaciones Geográficas y Geológicas: Universidad de Santo Domingo, Santo Domingo; Sección de Sismología; Dir. Ing. HÉCTOR NÑIGUEZ PÉREZ.

Instituto de Investigaciones Históricas (*Institute of Historical Research*): José Reyes 24 (altos); f. 1936; library of 10,000 vols.; Pres. Dr. GUSTAVO ADOLFO MEJÍA RICART; Vice-Pres. Lic. CARLOS SÁNCHEZ S.; Sec.-Gen. (*ad hoc*) Lic. MÁXIMO COISCOU H.; Curator Lic. LEONTE GUZMÁN S.; publ. *Revista de Historia*.

Santiago de los Caballeros

Asociación Médica de Santiago (*Santiago Medical Association*): Apartado 445; f. 1941; library of 821 vols.; 65 mems.; Pres. Dr. OCTAVIO R. ALMONTE; Sec. Dr. JOSÉ COROMINAS P.; publs. *Boletín Médico* (quarterly), *Boletín Informativo* (fortnightly).

LIBRARIES

Santo Domingo

Biblioteca de la Secretaría de Estado de Relaciones Exteriroes (*Library of the Secretariat of Foreign Affairs*): Estancia Ramfis; special collections relating to international law; Dir. Dr. PRÓSPERO J. MELLA CHAVIER.

Biblioteca de la Universidad de Santo Domingo (*Library of Santo Domingo University*): Ciudad Universitaria; f. 1538; 158,719 vols. (Dominicana, historical archives, prints, maps, microfilms, etc.) 685,133 reviews (chiefly foreign, relating to the different faculties), microfilms, gramophone records; Dir. PROSPERO JOSÉ MELLA CHAVRIER; publ. *Boletín, Monográfias Bibliográficas* (bibliographical monthly).

Biblioteca Dominicana: housed in a chapel of the Dominican Order dating from 1729; f. 1914; over 6,000 vols., of which Dominican authors comprise 700; collections of periodicals; also contains a students' reading-room, text-books, maps; Dir. José RIJO.

Biblioteca Municipal de Santo Domingo (*Municipal Library of Santo Domingo*): Padre Billini No. 18; Librarian LUZ DEL CARMEN RAPOZO.

Biblioteca de la Cámara Oficial de Comercio, Agricultura e Industria (*Library of the Chamber of Commerce, Agriculture and Industry*): Arzobispo Nouel No. 52 (altos); Sec.-Gen. MANUEL A. TRONCOSO R.

Biblioteca Pública Escolar (*Students' Library*): Arzobispo Noel 52; f. 1934; over 4,000 vols., mainly text-books for school and pre-university students; portraits of several famous patriots of the Americas.

Biblioteca para Niños (*Children's Library*): Parque Infantil Ranfis (playground).

Servicio de Documentación y Biblioteca (*Library and Documentation Service*): Palacio de Educación; f. 1958; under the auspices of UNESCO; Dir. Senora NIDIA TEJEDA DE RUIZ.

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Baní

Biblioteca "Padre Billini": f. 1926; about 2,000 vols; Dir. ANGÉLICA O. DE MELO.

Moca

Biblioteca de la Agrupación Cultural "Lumen" (*Library of the "Light" Cultural Circle*).

San Pedro de Macoris

Biblioteca del Ateneo de Macoris (*Library of the Athenaeum of Macoris*): f. 1890; 6,274 vols.; Pres. Lic. José A. CHEVALIER.

Santiago de Los Caballeros

Biblioteca del Ateneo Amantes de la Luz: 30 de Marzo esq. a 16 de Agosto; 8,000 vols.; Libr. J. M. RICARDO ROMÁN.

Biblioteca de la Alianza Cibaena.

MUSEUMS AND ART GALLERIES

Santo Domingo

Museo Nacional (*National Museum*): Solar del Almirante, an annex of the Palace of Diego Colón (Columbus), brother of Christopher, dating from 1509; f. 1927, 18,000 exhibits: *Pre-Columbian* (Indian archæological; anthropological and ethnographical exhibits; ceramics, wooden objects, idols, amulets, charms, weapons and tools, pots, including some of Maya origin from Mexico and Guatemala; osseous remains); *Colonial* (weapons and armour, parts of ships, Spanish religious objects, ceramics, bells, etc.); *Contemporary* (paintings, drawings, photographs, numismatics); Dir. FELIX M. PÉREZ SÁNCHEZ; publs. guide and catalogue.

Galería Nacional de Bellas Artes (*National Fine Arts Gallery*): f. 1943; contains the later paintings and sculptures previously exhibited in the Museo Nacional; controlled by the Dirección General de Bellas Artes (*Fine Arts Council*); Dir. Dr. MAXIMO AVILES BLONDA.

UNIVERSITIES

UNIVERSIDAD DE SANTO DOMINGO
(Santo Domingo University)

CIUDAD UNIVERSITARIA, SANTO DOMINGO
Telephone: 9-4191

Founded 1538 by Papal Bull of Paul III, the University was closed 1801-15 during the French occupation. It was re-opened as a lay institution in 1815, and remained open for irregular periods between 1823 and 1882. It was re-organised in 1914. Is the oldest university in the Americas.

Rector: JULIO CASTAÑOS ESPAILLAT.
Vice-Rectors: Dr. ROGELIO LAMARCHE SOTO, Dr. SALVADOR LLUBERES PEÑA.
Secretary-General: Dr. RAFAEL A. RAMOS.
Auditor: MIGUEL A. GOICO.

Number of teachers: 385.
Number of students: 3,837 (co-educational).
Publications: *Anuario, Anales and Calendario Académico.*

DEANS:

Faculty of Philosophy and Education: Dr. ARMANDO CORDERO.
Faculty of Law: Dr. MANUEL A. AMIAMA.
Faculty of Medicine: GILBERTO GÓMEZ RODRIGUEZ.
Faculty of Pharmacy and Chemistry: Dr. LUIS E. VELÁZQUEZ.
Faculty of Odontology: Dr. FERNANDO CAMINO CESTERO.
Faculty of Engineering and Architecture: Ing. JOSÉ R. BÁEZ LOPEZ-PENHA.
Faculty of Agronomy and Veterinary Science: HÉCTOR L. RODRÍGUEZ.
Faculty of Economic Sciences: Dr. FÉLIX BARBOSA AQUINO.

PROFESSORS:

Faculty of Philosophy:
ACHECAR, ABELARDO ELÍAS (Statistics).
ALFAU DURAN, VETILIO (Colonial and pre-Colonial History).
ALTAGRACIA, REGINA (English).
ARMENTEROS DE AYATS, ENCARNACIÓN (Portuguese).
DÍAZ ORDÓÑEZ, VIRGILIO (History of Civilisation).
ESCOBAL, LUIS SANTIAGO (History of Art, Chemistry).
FERNÁNDEZ C., ACACIO (Educational Psychology).
FERNÁNDEZ SPENCER, ANTONIO (Spanish, Linguistics).
GARCÍA SOLANO, ANDRÉS AVELINO (Logic, Ethics, Theory of Knowledge).
GIL, MALAQUIAS (Geography, History of America).
GÓMEZ R., G. (Biology).
GUERRERO, MANUEL (Sociology).
IGLESIAS BAHER, SALVADOR (Psychology, Latin).
MELLA CHAVIER, PRÓSPERO (Librarianship).
MILLEZ, HENRIETTE (French).
MOTA, FABIO (Abnormal Psychology, History of Philosophy).
NOLASCO, FLÉRIDA DE (Musical Appreciation and Dominican Folklore).
PAREDES MENA, ANTONIO (Didactics).
PÉREZ, ANA Q. DE (Latin).
PÉREZ Y PÉREZ, CARLOS F. (Latin American Literature).
PHILIP, Sister MARY (English Language and Literature).
POSADAS, LUIS G. (Introduction to Philosophy).
ROBLES TOLEDANO, OSCAR (History of Dominican Civilisation).
ROPA, DENIS (French Literature and Language).
SABRÁS GURREA, AMÓS (Mathematics).
SÁNCHEZ, JUAN FRANCISCO (History of Philosophy, Æsthetics, Metaphysics).
VALLE LLANO, ANTONIO DEL (Spanish Literature and History).

Faculty of Law:
AMIAMA, MANUEL (Administrative Law, General Theory of Government, Dominican Constitutional Law).
BÁEZ BLYDEN, DAMIÁN (Civil and Penal Law).
BALLESTER HERNÁNDEZ, ANTONIO (Labour Law).
BERAS, FRANCISCO E. (Private International Law).
CASTILLO DE AZA, ZENÓN (Roman Law).
FERNÁNDEZ, BERNARDO A. (Professional Ethics and Civil Law).
GUERRERO, MARÍA (Civil Law).
HERRERA BILLINI, HIPÓLITO (Civil Law and Criminal Procedure).
MACHADO G., JOSÉ MANUEL (Civil Procedure, Commercial Law).
MOREL TAVAREZ, JUAN A. (Civil Law).
NINA, FEDERICO (Civil Law).
PACHECO, ARMANDO OSCAR (Forensic Practice).
RAMOS, LEONCIO (Penal Law, Criminology).
READ B., EDUARDO (Civil Law).
RUIZ TEJADA, MANUEL R. (Land and Civil Law).
SÁNCHEZ LAJARA, BARÓN (Civil Procedure).
SANCHEZ, RUBIO (Professional Ethics).
SÁNCHEZ Y SÁNCHEZ, CARLOS (Public International Law).
SOSA ORTIZ, ANÍBAL (Comparative Civil and Penal Law, History of Law, Roman Law).
TAVARES, FROILAN J. (History of Law).

Faculty of Medicine:
BATILLE, OSCAR (Ophthalmology).
BRACHE, JULIO (Surgical Semeology).
CABRAL NAVARRO, MAX. M. (Descriptive Anatomy).
CAPELLÁN, ALEJANDRO (Embryology and Dissection).
CONTRERAS, DARIO (Clinical Surgery).
CORDERO, VICTOR (Obstetrics).
DAMIRON, ARTURO (Surgical Pathology).
DE POOL, HOMERO (Ophthalmology, Oto-Rhino-Laryngology).
DESPRADEL, GUIDO (History of Medicine).
ELMUEDESI, ANTONIO (Surgical Semeology).

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Fernández, Hostos (Medical Pathology).
Fernández, Luis (Medical Pathology).
Fernández C., José A. (Semeology, Medical Propædeutics).
García, Toribio (Gynæcology).
Goico, Felix (Surgical Anatomy and Operational Medicine).
Gomez Rodríguez, Gilberto (Medical and Tropical Pathology).
Guerrero, Wenceslao (Therapeutics, Dermatology, Pharmacology, Materia Medica).
Herrera, Gilberto (Gynæcology).
Lovatón P., Ramón (Urology).
Lugo Santos, Amable (Pharmacology, Materia Medica).
Messina, Angel (Obstetrics).
Miranda, Rafael (Medical Pathology, Pædiatrics).
Mota M., Fabio A. (Medical Physics, Psychiatry, Forensic Medicine and Toxicology).
Paiewonsky, Alberto (Clinical Radiology).
Piantini, Miguel (Hygiene, Medical and General Pathology).
Pichardó, Nicolás (Clinical Medicine).
Pimentel Imbert, Manuel (Parasitology).
Placido, Fermín Pérez (Embryology).
Ravelo Barré, Mario (Histology and Pathological Anatomy).
Read B., Héctor (Bacteriology).
Ricart, Arturo Damirón (Surgical Pathology).
Sallent J., Freddy (Physiology).
Sánchez, Manuel (Medical Semeology).

Faculty of Pharmacy and Chemistry:
Abreu, Maria O. (Quantitative Chemical Analysis).
Buera, Milady H. de (Forensic Pharmacy, First Aid).
Cartagena de Möller, Helvia (Pharmaceutics and Bacteriology).
Cornelio de Velazquez, Luisa (Qualitative Chemical Analysis and Toxicologic Analysis).
Cuevas Alvarez, Luis (Pharmaceutics and Pharmacognosy).
Escobal, Luis Santiago (Pharmaceutical Physics and Chemistry).
Hidalgo Justo, Victor (Hygiene and Food Analysis).
Velazquez, Luis (Pharmacology and Biological Chemistry).
Veloz, Félix (Galenic Pharmacy).

Faculty of Odontology:
Aybar, José Enrique (History of Dental Surgery).
Cabral, Maximo (Descriptive Anatomy).
Camino Cestero, Fernando (Physiology).
Capellán, Alejandro (Dissection).
Cornelio Lopez, Ana (Pharmacology).
Correa Colón, Fernando (Dental Prosthesis).
Franco, Héctor (Crowns and Bridges).
García Godoy, Federico (Child Dentistry).
Gasso Pereyra, Manelik (Ethics and Forensic Odontology).
Guzmán, Candido (Dental Materials).
Heredia, Dr. Maria (Diagnostics).
Hernandez Motz, Rafael (Orthodontics).
Hernandez P., Octavio (Operative Dentistry, Orthodontics).
Kasse Acta, Rafael (Endodontics).
Mañon del Rio, Rafael (Physics and Chemistry in Medicine)
Mena, Dr. Ramón (Dentistry).
Molina Dajer, Hugo (Dental Anæsthesia).
Montás, Dr. Bienvenida (Physiology).
Pichardó, Ulises Edmundo (Oral Embryology and Histology).
Prager Weisz, Paolo (Dental Mechanics).
Puig Bentz, René Augusto (Clinical Diagnosis, Oral Surgery, Periodontics).
Ravelo, Dr. Mario (Pathological Anatomy).
Read Gomez, Alejandro (Biology).
Read, Héctor (Bacteriology and Histology).
Santamaria, Manuel (Dental Pathology).

Faculty of Agronomy and Veterinary Science:
Alvarez Vicioso, Jesús (Parasitology).
Batlle, Logroño (Anatomy, Pathology and Histology).
Carrillo, Hugo (Professional Ethics).
Cestero, Ing. Miguel (Forage).
Duval, Dr. Lidio A. (Professional Ethics).
Ede-Mañon M., Luis (Therapeutics and Forensic Medicine).
García, Ing. Juan U. (Statistics).
Gonzalez S., Otto (Non-teaching).
Lebron de Alvarez, Victoria (Bromatology, Zootechnics and Animal Feeding).
López D., Carlos (Physiology, Hygiene and Legislation).
Mañon, Dr. Luis (Anatomy and Hygiene).
Mañon del Rio, Dr. J. (Bio-Chemistry).
Rodriguez J., Hector (Infectious Diseases).
Sanabia O., Aníbal (Microbiology and Immunology).
Velásquez, Luisa C. de (Applied Physics and Chemistry).
Viñas Román, Jaime (Pathology, Endemic Diseases and External Morphology).

Faculty of Finance, Commerce and Economics:
Achécar, Abelardo E. (Statistics).
Alvarez Dugan, J. (Social Law).
Anglada, Dr. Ernesto (Commerce and Finance).
Barbosa Aquino, Feliz (Public Finance and Tributary Law).
Canela, Luis A. (Calculus).
Cornielle, Dr. Carlos (Elementary Economic Theory).
Farías, Lic. Aquiles (Accountancy).
Fernández, Dr. Diógenes (Finance and Banking).
Fernández, Dr. Jaime (Customs and Mercantile Law).
Herrera Cambier, R. (Labour and Industrial Legislation).
Jacobo, Dr. José (National Economy).
Mejía, Dr. Roger (Securities).
Mejía S., Hernán (Economic Geography).
Méndez Nuñez, Fidel (Banking).
Nuñez, Generoso (Valuation).
Silié Gatón, Dr. Fernando (Labour Legislation).
Suncar, Dr. Ernesto (Law Usage).
Tellado, Antonio (Commercial Legislation and Mercantile Law).
Vidal, Enrique (Accountancy).

Faculty of Engineering and Architecture:
Berges, Arq. Roberto L. (Drawing and Building Materials).
Campos, Ing. Manuel de Js. (Construction Stability).
Castaños Espaillat, Julio (Surveying).
Carvonell Arias, Teofilo (Draughtsmanship).
Espaillat, Arq. Roberto (Architectural Composition).
Ganan, Corcho, Demetrio (Sewage and Drainage).
Haza del Castillo, Luis (Town Planning).
Hernández, Ing. Pedro (Geometry, Geodesy, Cartography).
Hernández Ramos, Rafael (Draughtsmanship).
Hernández Rivera, Miguel (History of Architectute).
Jiménez Figueroa, Mario (Perspective).
Jiménez Vasquez, José (Sanitary Engineering).
Lamarche, Ing. Luis (Trigonometry).
Matos, Ing. Vinicio (Photography).
Pérez, Arq. Eugenio (History of Art and Architecture).
Pérez, Ing. Miliciades (Mathematical Analysis).
Periche, Ing. Máximo (Analytical Geometry).
Reyes, Ing. José O. (Physics and Rational Mechanics).
Ricart, Ing. Fernando (Geology).
Roa del Rosar 10, Ing. E. (Bridges).
Sallent, Lic. José E. (Chemistry).
Sosa Baudre, Luis (Draughtsmanship).
Vega, Arq. Edgardo (Architecture).

UNIVERSIDAD CATÓLICA "MADRE Y MAESTRA"

SANTIAGO DE LOS CABALLEROS

Founded 1962

President: Mgr. Hugo Polanco Brito.
Secretary-General: Lic. Alicia Guerra.

SCHOOLS OF ART AND MUSIC

Dirección General de Bellas Artes (*Fine Arts Council*): Santo Domingo; controls the following:

Academias de Música (*Academies of Music*).

Escuela de Arte Escénico (*School of Scenic Art*).

Escuela Nacional de Bellas Artes (*Fine Arts School*).

Conservatorio Nacional de Música. (*National Conservatoire of Music and Elocution*).

Escuela de Ballet (*School of Ballet*).

Escuela de Danzas Folklóricas (*School of Folk Dancing*).

Escuelas de Artes Plásticas (*Schools of Plastic Arts*) at Santiago and La Vega.

Liceo Francisco Soné, La Vega.

Liceos Musicales (*Schools of Music*) at Santiago and San Cristobál.

Teatro Escuela del Arte Nacional (*Dramatic School*).

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ECUADOR

Population 4,650,000

ACADEMY

Quito

Academia Ecuatoriana (*Academy of Ecuador*): f. 1875; 2nd in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Memorias*; the library, with over 2,000 vols., forms part of the National Library.

Director: Gonzalo Zaldumbide.
Secretary-Treasurer: Julio Tobar Donoso.

Members:

Arias, Augusto.
Barrera, Isaac J.
Bustamante, Guillermo.
de la Torre, Cardinal Carlos M.
Guarderias, Francisco.
Pérez Guerrero, Alfredo.
Rumazo, José.
Sánchez Astudillo, Miguel
Velasco Ibarra, José María.

Elected:

Carrión, Benjamín.
Chacón, R.P. Jorge, s.j.
Toscano, Humberto.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Quito

Alliance Française: Plaza del Teatro y Manabi 348; Dir. J. Thieriot.

Dirección General de Estadística y Censos (*Statistics and Census Office*): Ministerio de Economía; f. 1944; Economic Dir.-Gen. Cesar H. Palacios R.; publs. *Anuario General, Anuario de Estadísticas Vitales, Boletín Trimestral de la Sección de Estadísticas Económicas y del Trabajo, Boletín Trimestral de la Sección de Estadísticas Sociales y Demográficas, Boletín Mensual de Informes Estadísticos.*

Dirección General de Meteorologia e Hildrologia (*Meteorological Office*): Avenida Colon No. 1663; f. 1961; Dir. Eng. Antonio García S.

Instituto Botánico de la Universidad Central (*Botanical Institute*): Universidad Central; f. 1937; 7 mems., 1 hon.; Dir. Dr. Alfredo Paredes C.; publ. *Boletín del Instituto Botánico.*

Instituto de Asuntos Inter-Americanos: División de Educación (*Institute of Inter-American Affairs: Division of Education*): Avda. Colón 1717; f. 1942; to help in the improvement of cultural relations between the Americas and to improve the standard of education in Ecuador; Acting Dir. Dr. Lea T. Hearn and a staff of over 20 specialised technicians; numerous publications.

Instituto Ecuatoriano de Ciencias Naturales (*Ecuadorian Institute of Natural Sciences*): P.O. Box 408; f. 1940; 32 founder mems., 70 corresponding; library; Dir. Prof. Dr. Misael Acosta-Solís; publ. *Flora* (official organ) and monographs.

Instituto Nacional Mejia (*Mejía National Institute*): f. 1903; library of 20,000 vols.; publ. *Boletín.*

Observatorio Astronómico de Quito (*Astronomical Observatory*): Apdo. 165; f. 1873; Dir. Luis Mena; publ. *Boletín.*

Guayaquil

Alliance Française: 9 de Octubre y Escobedo 1201; Dir. J. C. Lafuste.

Asociación Escuela de Medicina (*School of Medicine Association*): publ. *Boletín de Medicina e Cirugía.*

Instituto de Investigaciones Veterinarias del Litoral (*Veterinary Research Institute*): Guayaquil; f. 1954; Dir. Dr. Gonzalo Sotomayer Navas.

Instituto Nacional de Higiene "Leopoldo Izquieta Pérez" (*National Institute of Hygiene*): Apartado 3961, Guayaquil; f. 1941; Dir. Dr. José D. Rodríguez; Sec. Alejandro Ríos Tola; the Institute has twenty-six departments and sections, and 2,247 vols. in its library; publ. *Revista Ecuatoriana de Higiene y Medicina Tropical.*

Centro de Investigaciones Históricas (*Centre of Historical Research*): P.O.B. 75; f. 1930; 15 mems.; library of 4,000 vols.; Pres. Dr. Eduardo Alcívar E.; Sec.-Gen. Dr. Jorge Amador Ycaza; publ. *Revista.*

Sociedad Ecuatoriana de Pediatria (*Pædiatrics Society of Ecuador*): P.O. Box 5865; f. 1945; scientific extension courses and lectures; Pres. Dr. Alfredo Ceballos Carrion; Sec. Dr. Rodrigo Crespo Toras; publ. *Revista Ecuatoriana de Pediatría.*

Sociedad Médico-Quirúrgica del Guayas (*Medical and Surgical Society*): publ. *Anales.*

Galapagos Islands

Charles Darwin Research Station: Indefatigable Island (Santa Cruz); f. 1960 under the auspices of UNESCO to study and preserve the flora and fauna; the headquarters of the organisation are at Palais des Académies, Brussels 1, Belgium; Dir. D. W. Snow.

LIBRARIES

Quito

Biblioteca Nacional (*National Library*): Plaza España 233; f. 1792; 50,000 vols., of which 7,000 date from the 16th to 18th centuries; Dir. Jaime Chávez F.

Biblioteca de la Casa de la Cultura Ecuatoriana (*Library of Ecuadorean Culture*): Apdo. 67; Dir. Laura de Crespo Toral.

Biblioteca de la Universidad Central del Ecuador (*Central University Library*): The library, which later formed the nucleus of the University Library, was founded in the 18th century; 45,500 vols.; Dir. Dr. Galo René Pérez; publ. *Cuadernos de Arte y Poesía* as part of the *Anales de la Universidad*; open to the public.

Biblioteca Municipal (*Municipal Library*): f. 1886; 7,000 vols., 300 MSS., 4 incunabula.

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Cuenca

Biblioteca "Juan Bautista Vázquez" de la Universidad de Cuenca (*Cuenca University Library*): f. 1882; 53,129 vols.; *Descripción de las Indias Occidentales* by Antonio de Herrera, Chief Chronicler to His Majesty of the Indies, 1729; *Biblioteca de Autores Españoles desde la formación del Lenguaje hasta nuestros días*, the first volumes edited by Buenaventura Carlos Aribau, 70 vols., Madrid, 1864-80; also historical MSS.; Dir. Gonzalo Humberto Mata.

Biblioteca Publica Municipal (*Public Municipal Library*): Apdo. 202; f. 1927; Dir. Eugenio Aguilar Arévalo.

Biblioteca Hispano-Americana (*Hispanic-American Library*): Mariscal Sucre 338, Apto. 133; f. 1934; 23,731 vols.; Dir. Celiano A. Veintimilla V.

Biblioteca Panamericana (*Pan-American Library*): Apdo. 57; Dir. B. Albornoz C.

Guayaquil

Biblioteca "Angel Andrés García" del Colegio Nacional "Vicente Rocafuerte" (*National College Library*): Vélez 2203, Apdo. 330; f. 1847; 13,000 vols.; Dir. Eduardo Zurita Rosero; publ. *Revista del Colegio Nacional "Vicente Rocafuerte"* and students' periodicals.

Biblioteca de Autores Nacionales "Carlos A. Rolando" (*Library of Ecuadorian Writers*): f. 1913; 12,000 vols., 15,000 pamphlets, 17,000 leaflets, 3,000 MSS. relating to Ecuadorian authors and foreign works about Ecuador; Dir. Dr. Carlos A. Rolando.

Biblioteca Histórica y Archivo Colonial (*Historical Library and Colonial Archives*): Palacio de la Municipalidad, P.O. Box 75; f. 1930; Dir. Dr. Carlos A. Rolando; Sec. Prof. Gustavo Monroy Garaicoa.

Museo y Biblioteca Municipal (*Town Museum and Library*): Avda. 10 de Agosto, Calle Pedro Carbo; f. 1862; library contains over 35,000 vols.; Perm. Commissioner Dr. Absalón Guillén Sánchez; (*see under* Museums).

Loja

Biblioteca de la Universidad (*University Library*): 3,500 vols.; Librarian Jorge Riofrío Samaniego.

MUSEUMS

Quito

Archivo Nacional de Historia (*National Historical Archives*): Apdo. 67; colonial documents of the 16th, 17th and 18th centuries. Dir. Alfredo Chaves.

Museo de Arte e Historia de la Ciudad (*Civic Museum of Arts and History*): Dir. Jorge A. Garcés G.; Sec. Dr. Juan F. Páez Teran.

Museo Etnográfico de la Universidad Central (*Ethnographical Museum*): 8,000 Ecuadorian exhibits; library of 1,200 vols.; Dir. Prof. Antonio Santiana.

Museo Jijón y Caamaño de Arqueología e Historia (*Jijón y Caamaño Archaeological and Historical Museum*): Avda. 10 de Agosto.

Museos de la Universidad Central del Ecuador (*Central University Museums*): Sections of Anthropology, Archaeology and Ethnography; Dir. Dr. Antonio Santiana.

Guayaquil

Museo y Biblioteca Municipal (*Town Museum and Library*): Avda. 10 de Agosto, Calle Pedro Carbo; f. 1862; historical, ethnographical, palæontological, geological exhibits; colonial period and modern paintings and numismatics; (*see also* Libraries).

UNIVERSITIES

UNIVERSIDAD CENTRAL DEL ECUADOR
(Central University of Ecuador)

GARCIA MORENO 887 Y ESPEJO 945, CASILLA 166, QUITO

The Central University came into being as a result of the fusion, in 1769, of three institutions of higher learning: the Seminary of San Luis, founded 1594; the University of San Gregorio Magno, founded 1622—both Jesuit institutions; and the Dominican University of Santo Tomás de Aquino. In 1822 the University was reorganised. After undergoing various vicissitudes during the next hundred years, it was granted technical and administrative autonomy in 1925.

Rector: Dr. Alfredo Pérez Guerrero.
Vice-Rector: Dr. César Aníbal Espinosa Guerrero.
Secretary-General: Dr. Francisco J. Salgado Salgado.

Number of teachers: 289.
Number of students: 2,409 men, 603 women.
Publications: *Anales* (f. 1883; oldest periodical in Ecuador), *Boletín* (monthly).

Deans:

Faculty of Jurisprudence and Social Science: Dr. Juan Isaac Lovato.
Faculty of Economics: Dr. Manuel Agustín Aguirre.
Faculty of Medical Sciences: Dr. Miguel A. Aráuz.
Faculty of Odontology: Dr. Hernán Dávalos Avilés.
Faculty of Physical and Mathematical Sciences: Ing. Luis H. de la Torre.
Faculty of Agriculture and Veterinary Medicine: Ing. Gerardo Naranjo.
Faculty of Philosophy, Arts and Science of Education: Dr. Luis Verdesoto Salgado.
Faculty of Chemical and Natural Sciences: Dr. Alfredo Gómez.

Directors:

School of Agronomy: Ing. Gerardo Naranjo.
School of Architecture: Arq. Sixto A. Durán Ballén.
School of Nursing: Srta. Ligia Gómez Jurado.
School of Pharmacy: Dr. Alfredo Gómez.
School of Engineering: Ing. Carlos Oquendo.
School of Obstetrics: Dr. César Jácome M.
School of Journalism: José Alfredo Llerena.
School of Veterinary Science: Luis Coba T.
Legal Adviser: Dr. Celso Olmedo Vásconez.
Seminary of Social Research in Ecuador: Dr. Miguel A. Zambrano.

As no professor list has been received this year or last from the Universidad Central del Ecuador, the list has been deleted from the present edition.

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UNIVERSIDAD CATÓLICA DEL ECUADOR

BOLÍVAR 343, APDO. 2184, QUITO
Telephone: 30-056
Telegraphic Address: Universidad Catolica, Quito, Ecuador
Founded 1946

GOVERNING COUNCIL

Grand Chancellor: Cardinal CARLOS MARÍA DE LA TORRE Archbishop of Quito.
Rector: R.P. LUIS E. ORELLANA, S.J.
Vice-Rector: Rvdmo. Sr. ANGEL GABRIEL PÉREZ.
Hon. Vice-Rector: Dr. JOSÉ MARÍA PÉREZ ECHANIQUE.
Secretary-General: Dr. RAFAEL BORJA PEÑA.
Treasurer: Lic. FRANCISCO TOBAR GARCÍA.
Pro-Secretary: Dr. RANULFO RODRÍGUEZ MARÍN.
Librarian: DRA. BERTA MOREIRA DE ALAVA.

Number of teachers: 131.
Number of students: 667.

DEANS:

Faculty of Jurisprudence: Dr. JULIO TOBAR DONOSO.
Faculty of Philosophy, Pedagogy and Letters: R. P. JUAN I. ESPINOSA PÓLIT, S.J. (10 professors).
Faculty of Engineering: Ing. JOSÉ RUBÉN ORELLANA RICAURTE.

PROFESSORS:

Faculty of Juridical and Economic Sciences:
ACOSTA VELASCO, ALBERTO (History of Economic Doctrines).
BAYAS VALLE, VICTOR HUGO (Penal Procedure).
BOADA PÉREZ, JUAN (Public Finance).
BORJA PEÑA, RAFAEL (Commercial Law).
CARRIÓN EGUIGUREN, EDUARDO (Civil Law).
CORDOVA-GUERRON, EDUARDO (Administrative Law).
DOMÍNGUEZ, CARLOS (Sociology and Philosophy).
DONOSO VELASCO, JOSÉ IGNACIO (Penal Law).
ESPINOSA PÓLIT, JUAN (Religion).
GARREA, PEDRO (Civil Law).
GONZÁLEZ, OSWALDO (Penal Law).
LARREA, PEDRO (Mining and Petroleum Laws).
LUNA TOBAR, Rev. ALBERTO (Legal Psychology).
MENA VILLAMAR, CLAUDIO (Statistics).
MORA, ALFONSO MARÍA (Roman Law).
PONCE ENRÍQUEZ, CAMILO (Constitutional Law).
PONCE ENRÍQUEZ, LUIS (Administrative Law).
RIOFRÍO VILLAGÓMEZ, EDUARDO (Finance).
RODRÍGUEZ MARÍN, RANULFO (Constitutional Law).
TAPIA, GILBERTO (Religion).
TOBAR DONOSO, JULIO (Political Science).
TROYA CEVALLOS, ALFONSO (Civil Law).

UNIVERSIDAD DE CUENCA

(also called Universidad del Azuay)
APDO. 168, CUENCA
Telephone 25-28
Founded 1868

Rector: Dr. CARLOS CUEVA TAMARIZ.
Vice-Rector: Dr. LUIS MONSALVE POZO.
Secretary-General: Dr. VÍCTOR LLORÉ MOSQUERA.

Each Faculty has a representative for the students on the University Council.

Number of teachers: 122.
Number of students: 1,134 (co-educational).

Publications: *Anales de la Universidad de Cuenca, Revista de la Facultad de Jurisprudencia, Revista de la Facultad de Ciencias Medicas, Revista de la Facultad de Filosofia y Letras, Revista de la Facultad de Odontologia.*

DEANS:

Faculty of Jurisprudence and Social Sciences: Dr. CÉSAR ASTUDILLO.
Faculty of Medical Sciences: Dr. LEONCIO CORDERO JARAMILLO.
Faculty of Mathematical and Physical Sciences: Ing. MARCO TULIO ERAZO VALLEJO.
Faculty of Philosophy and Letters: Dr. GABRIEL CEVALLOS GARCÍA.
Faculty of Chemistry: Dr. JOSÉ ORELLANA SOLANO.
Faculty of Odontology: Dr. RICARDO MUÑOZ DAVILA.
Faculty of Architecture: JORGE ROURA CEVALLOS.

PROFESSORS:

Faculty of Jurisprudence and Social Sciences:
AGUILAR ARÉVALO, ROBERTO (Territorial Law, History of Law).
ANDRADE CORDERO, CÉSAR (Introduction to and Philosophy of Law).
ASTUDILLO, CÉSAR (Sociology).
ASTUDILLO, VIRGILIO (Penal Law).
BORRERO V., ANTONIO (Law of Property)
CHICO PEÑAHERRERA, RAFAEL (Public International Law, Territorial Law).
CHICO PEÑAHERRERA, REINALDO (Penal and Procedural Law).
CORDERO C., SERVIO (Political Economy).
CORDERO E., CLAUDIO (Economic History).
CORDERO LEÓN, GERARDO (Municipal Law, Administrative Law, Constitutional Law).
CORRAL B., JULIO (Civil Law).
CUEVA TAMARIZ, AGUSTÍN (Forensic Medicine, Psychiatry).
CUEVA TAMARIZ, CARLOS (Industrial Law).
FERNÁNDEZ MÁRQUEZ, CÉSAR (Civil Law).
LLORÉ MOSQUERA, VÍCTOR (Procedural and Penal Law).
MONSALVE POZO, LUIS (Commercial Law, Statistics).
MUÑOZ CHÁVEZ, R. (Civil Procedures).
TORRES CAICEDO, REINALDO (Economic Science).

Faculty of Medical Sciences (consists of the Schools of Medicine, Obstetrics and Nursing):
ALBORNOZ VINTIMILLA, JAIME (Clinical Psychiatry, Dermatology and Venereal Diseases).
ALVARADO COBOS, ALBERTO (Tropical Medicine, Hygiene, Dietetics).
ARIAS ARGUDO, C. (Dermatology, Therapeutics, Venereal Diseases).
ARTEAGA LOZANDO, M. (Child Medicine).
BARZALLO CALDERÓN, RICARDO (Nosography, Physiopathology, Topographical Anatomy).
CARRASCO ARTEAGA, JOSÉ (General Pathology, Nosography, Nutritional Diseases).
CARRERA COBOS, TIMOLEÓN (Bromatology, Bacteriology, Parasitology).
CARVALLO VALDIVIESO, HONORATO (Endocrinology, Physiotherapy, Hygiene and Botany).
CAZORLA PALACIOS, R. (Orthopædics and Traumatology).
CORDERO JARAMILLO, LEONCIO (Embryology, Anatomy, Normal and Pathological Histology).
CORRAL MOSCOSO, N. (Gynæcology and Obstetrics).
CORRAL MOSCOSO, VICENTE (Clinical Surgery, Urology, Orthopædy).
HERMIDA PIEDRA, CÉSAR (Physiology, Biochemistry).
IDROVO AGUILAR, JUAN (Surgery, Surgical Nosography).
LEÓN DELGADO, E. (Radiology).
MONTESINOS GONZÁLEZ, RICARDO (Forensic Medicine, History of Medicine, Toxicology).
MORENO PEÑA, LUIS GUILLERMO (In charge of Clinics).
ORTIZ TAMARIZ, JOSÉ J. (Organic, Inorganic, Biological Chemistry).
REGALADO ABAD, ORLANDO (Anatomy and Physiology).
SOJOS JARAMILLO, LUIS (Child Surgery, Ophthalmology, Oto-Rhino-Laryngology).
SOLIS CABRERA, RUBÉN D. (Pharmacology).
TAMARIZ ARTEAGA, MODESTO (Dissection).

Faculty of Mathematical and Physical Sciences:
BURBANO MOSCOSO, JORGE (Elementary Physics and Perspective).
CASTRO POZO, GUSTAVO (Bridge Building).
CORDERO ORDÓÑEZ, VLADIMIRO (Electro-technics).
ERAZO VALLEJO MARCO, TULIO (Geological Engineering, Applied and Inorganic Chemistry, Petrology).
HEREDIA CARRION, CARLOS (Architecture, Descriptive Geometry, Industrial Design).
HINOJOSA COBOS, ENRIQUE (Analytical Geometry Statics).
LOAIZA JARAMILLO, LUIS ENRIQUE (Theory of Building).

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NAVARRETE, ARMANDO (Soil Mechanics, Communication Systems).
PALACIO IZQUIERDO, DANIEL (Topography and Astronomy).
RAMIREZ AGUILAR, ARTURO (Differential and Integral Calculus, Reinforced Concrete).
SOTOMAYOR VILLEGAS, Ing. ULISES (Sanitary Engineering).
TORRES OCHOA, MEDARDO (Rational Mechanics, Applied Hydraulics).
VÉLEZ JARAMILLO, JORGE (Astronomy, Geodesy).
VÉLEZ JARAMILLO, RAFAEL (Resistance to Materials, Applied Hydraulics).
VINTIMILLA ORDONEZ, HERNAN (Mathematical Analysis).

Faculty of Philosophy and Letters:
ALVAREZ GONZÁLEZ, FRANCISCO (History of Philosophy, Psychology and Theory of Logic).
CEVALLOS GARCÍA, GABRIEL (Principles of Philosophy, History of Civilisation).
ESTRELLA CARRIÓN, FRANCISCO (English).
FRADEJAS SÁNCHEZ, LUIS (Spanish Language and Literature and World Literature).
GONZÁLEZ FONTANEDA, SILVINO (Latin and French).
LÓPEZ RUEDA, JOSE (Latin, World History, American History, Greek).
ORDÓÑEZ ESPINOZA, HUGO (History).
SERRANO AGUILAR, ALEJANDRO (World Literature).

Faculty of Chemistry:
AGUILAR MALDONADO, GUILLERMO (Anatomy).
CARVALLO, ERNESTO (Geometry).
CORDERO CRESPO, RODRIGO (Pharmacodynamics).
DONOSO MONTESINOS, CARLOS (Botany, Galenis Pharmacy).
FLORES GARCIA, GIL (Biological Analysis, Parasitology and Bacteriology).
GONZALEZ MOSCOSO, MARCELO (Chemistry).
MONSALVE ORTIZ, LUIS (Algebra).
MOSCOSA DAVILA, RUBEN (Industrial Economy).
ORELLANA SOLANO, JOSÉ (Head of the Laboratories).
PERALTA CRESPO, JAIME (Metallurgy).
VILLAR CHAO, JAIME (Industrial Organic Chemistry, Functional Analysis).

Faculty of Odontology:
ACOSTA CRESPO, HERNANDO (Dental Prosthesis, Crowns and Bridges).
CORDERO JARAMILLO, HERNANDO (Histology).
MOSCOSO ESPINOSA, JOSÉ GABRIEL (Anatomy, Electroradiology).
MUÑOZ DAVILA, RICARDO (Stomatological Pathology, Therapy and Semiology).
NEIRA CARRIÓN, EDUARDO (Children's Dentistry, Maxillo-Facial Surgery).
SANCHEZ VALDIVISO, LUIS J. (Physiology).
SERRANO VEGA, JOSÉ (Pathological Anatomy and Dissection).

Faculty of Architecture:
BURBANO MOSCOSO, CESAR (Drawing).
CARRASCO ZAMORA, RAUL (Topography).
DARWIN TORRES, C. (Architectural Analysis).
PEREZ CARRION, JOSÉ (Technical Drawing).
RAMIREZ SALCEDO, GASTON (Introduction to Architecture).
ROURA CEVALLOS, JORGE.

UNIVERSIDAD DE GUAYAQUIL

CALLE CHILE 900, GUAYAQUIL

Founded 1897

Rector: Dr. ANTONIO PARRA VELASCO.
Vice-Rector: Dr. ALFONSO MARTINEZ ARAGON.
Secretary-General: Dr. ERNESTO FRANCO IZQUIERDO.

Number of teachers: 376.
Number of students: 2,656 men, 912 women, total 3,568.
Publications: *Anales de la Universidad, Boletín Universitario.*

DEANS:

Faculty of Jurisprudence and Social Sciences: Dr. LAURO DAMERVAL AYORA.
Faculty of Medical Sciences: Dr. FRANCISCO RIZZO VELASCO.
Faculty of Mathematical and Physical Sciences: Ing. GALO YÉPEZ CAMPOS.
Faculty of Economics: Dr. MILTON SOLÓRZANO.
Faculty of Chemistry and Natural Sciences: Dr. ALFREDO QUIROZ SALCEDO.
Faculty of Agriculture and Veterinary Science: Ing. Agr. JOSÉ UBILLA CHIRIBOGA.
Faculty of Philosophy, Literature and Education: Dr. MANUEL DE J. REAL MURILLO.
Faculty of Odontology: Dr. ANGEL ESPINOZA VEGA.
Faculty of Architecture: Arq. OSCAR GRANJA TORRES.

AFFILIATED INSTITUTES:

Instituto de Educación Física (*Physical Training Institute*):
Director: ALFONSO DROUET.

Instituto de Investigaciones Económicas y Políticas (*Economic and Political Research*):
Director: Econ. CRISTÓBAL HURTADO.

Conservatorio de Música "Antonio Neumane."
Director: CARLOS ARIJITA.

Academia de Lenguas (*Academy of Foreign Languages*).
Director: Dra. DIGNA AYON DE MESSNER.

Escuela de Periodismo (*School of Journalism*).
Director: Dr. RAFAEL GALARZA A.

Escuela de Archivologia y Bibliotecologia (*School for Archivisits and Librarians*).
Director: Dr. VICTOR GUERRA JARAMILLO.

Escuela de Enfermeria (*School of Nursing*).
Director: Sra. DELIA DE CALLE.

Instituto de Energia Nuclear y Aprovechamiento de la Energia Solar (*Institute of Nuclear Energy and Utilisation of Solar Energy*).
Director: Dr. LUIS ESPINOSA TAMAYO.

Instituto de Estudios Hispano-Americanos (*Institute of Hispano-American Studies*).
Director: Dr. ANTONIO PARRO VELASCO.

Colegio Mixto Experimental Francisco Campos Coello.
Rector: Dr. RIGOBERTO ORTIZ BERMEO.

Instituto de Ciencias Naturales (*Institute of Natural Sciences*).
Director: LUCAS KRAGLIEVICH.

UNIVERSIDAD DE LOJA

APDO. 54, LOJA

Loja University was founded in 1896 by Gen. Eloy Alfaro as the Junta Universitaria with one Faculty, that of Jurisprudence. In 1944 the President of Ecuador, Dr. Carlos Arroyo del Rio, raised the College to the status of a University, with Faculties of Law and Science.

Rector: Dr. JUAN F. ONTANEDA CASTILLA.
Secretary-General: Dr. JORGE VALDIVIESO MORENO.
Librarian: Dr. JORGE RIOFRIO SAMANIEGO.

Library contains 3,000 volumes.
Publications: *Revista Universitaria de Loja* (official organ), *Boletín, Hechos y Letras* (cultural and information bulletin), *Rumbos* (organ of the Law School Assen.), *F.E.U.E.* (organ of the Students' Federation), *Teatro Universitario* (review of the University Dramatic Society).

DEANS:

Faculty of Law: Dr. JOSÉ MIGUEL MORA REYES.
Faculty of Science: Ing. EDUARDO UNDA BUSTAMANTE.
Faculty of Philosophy: Lic. MANUEL AGUSTÍN ZÁRATE.

PROFESSORS:

Faculty of Law:
AGUIRRE, MIGUEL ANGEL (Civil Law).
BURNEO OJEDA, MOISES (Roman Law).
COSTA ZABALETA, FRANCISCO (Mercantile Law).
MALDONADO PAZ, CLOTARIO (Political Economy, Finance).
MORA CARRIÓN, JORGE (Sociology).

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Mora Reyes, Alfredo (Civil and Penal Proceedings, Judiciary Code).
Mora Reyes, José Miguel (Political and Constitutional Law of Ecuador, Administrative and Municipal Law).
Ontaneda, Juan Francisco (Civil Law).
Rengel, Jorge Hugo (Forensic Psychology, Criminology, Military Law).
Riofrío Samaniego, Jorge (Public and Private International Law).
Rodriguez Witt, Ernesto (Labour Law, Territorial, Diplomatic and Consular Law).
Tapia, Federico (Forensic Medicine).
Vivar Castro, José Marív (Philosophy and History of Law).

Faculty of Science (consists of the Schools of Agriculture and Veterinary Medicine, and Industrial Chemistry).
Alvarez, Octavio (Plant and Animal Technology).
Espinosa, Arsenio (Botany, Entomology).
Loza, Luis F. (Agricultural Machinery, Forestry).
Mezzetti, Adriano (Descriptive Anatomy, Veterinary Physiology).
Mori, Bruno (Veterinary Propædeutics).
Pacheco, Ignacio (Meteorology, Genetics).
Palacios, Victoriano (English).
Peña, Antonio José (Biology, Embryology).
Puertas, Eduardo (Organic and Analytical Chemistry).
Rodriguez, Rafael (Mathematics, Geology).
Serrano, Guillermo (Veterinary Histology, Bacteriology).
Simi, Marcello (Infectious and Parasitic Diseases).
Unda, Eduardo (Irrigation, Topography and Physics).
Valdivieso, Alfonso (Agriculture, Horticulture).
Vivar, Francisco (Zoology, Bee-Keeping).

Faculty of Philosophy:
Bazante Castro, Vladimir (Psychology).
Laso Ortega, Luciano E. (Philosophy).
Perez, Carlos Franco (Languages).
Pozo Velez, Homero (General).
Salas Sandoval, Mario (Pedagogy).
Yepez Montenegro, Nelson (Science).
Zárate V., Manuel A. (Geometry and Trigonometry).

UNIVERSIDAD TECNICA DE MANABI
(Manabi Technical University)
CASILLA 82, PORTOVIEJO, MANABI
Telephone: 665

Founded 1952

Rector: Ing. Paulo Emilio Macias.
Secretary: Dr. Paco Delgado L.

Deans:
Faculty of Agronomy and Veterinary Medicine: Dr. Egberto Macias P.
Faculty of Mathematics, Physics and Chemistry: Ing. Cesar Delgado O.

Professors:
Faculty of Agronomy and Veterinary Medicine:
Bermudez, Socrates
Cevallos, Jaime
De Moreira, Holande P.
Delgado R.k Baudilio
Eguez, Hugo
Hidalgo V., Ignacio
Hidrovo Z., Gonzalez
Levoyer S., Alfonso
Luque, Guido
Macias S., Paulo E.
Mera S., Jose
Rivas L., Italo
Rubio T., Ramon
Vasquez Guzman, Jorge
Villavicencio M., Honorio

Faculty of Mathematics, Physics and Chemistry:
Cardenas A., Ramiro
Delgado O., Cesar
Mena A., Alfredo
Munoz G., Jose
Puga, Jose
Zorrilla, Leoncio

ESCUELA POLITECNICA NACIONAL
(National Polytechnic School)
AV. GRAN. COLOMBIA 194, Y GANDARA, QUITO

Founded 1879

Rector: Ing. J. Rubén Orellana.
Vice-Rector: Ing. Galo Montaño.
Secretary: Humberto Toscano.
Number of teachers: 61.
Number of students: 539.

Deans:
Faculty of Electrical Engineering: Ing. Vicente Jácome.
Faculty of Chemical Engineering: Dr. Gerardo Ruess.
Dept. of Radio-Isotopes (Medicine): Dr. Rodrigo Fierro.
Dept. of Radio-Isotopes (Agriculture): Dr. Luis W. Levy.
Dept. of Zoology: Prof. Gustavo Orcés.
Faculty of Mechanical Engineering: (Vacant).

ESCUELA POLITECNICA DE GUAYAQUIL
CASILLA 5863, GUAYAQUIL

Founded 1958

Geology, Mining, Naval, Mechanical and Electrical Engineering.

SCHOOLS OF ART AND MUSIC AND NATIONAL COLLEGES

Quito

Colegio Nacional "24 de Mayo", Quito: f. 1934; an experimental institution for women's higher education; assisted by UNESCO; departments of modern humanities for students preparing for universities and commerce, administration and professional training. *Rector:* Dra. María A. Carillo de Mata M.; number of teachers, 70; number of students, 1,500; publ. *Problemas de Educación Secundaria.*

Conservatorio Nacional de Música, Arte Escénico y Coreografia (*National Academy of Music, Scenic Arts and Choreography*): Universidad Central, Apdo. 274; f. 1900; library of 2,500 vols.; Dir. Gerardo Alzamora V.; Sec. Victor Hinostrosa M.; number of students: 150 men, 220 women.

Escuela Nacional de Bellas Artes (*School of Fine Arts*): Universidad Central; Dir. Diógenes Paredes.

Latin American Center for Advanced Studies in Journalism: Quito; f. 1960 with UNESCO aid; first session to start October 1960; Dir. George Fernandez.

Cuenca

(Affiliated to the University of Cuenca)

Academia de Bellas Artes "Remigio Crespo Toral": Dir. Dr. Lauro Ordóñez Espinoza; teaching staff: 4.

Colegio de Segunda Enseñanza "Fray Vicente Solano": *Rector:* Dr. Gabriel Cevallos García; teaching staff, 11.

Conservatorio de Música "José Maria Rodriguez": Dir. Prof. Rafael Sojos Jaramillo; teaching staff, 11.

Guayaquil

Colegio Nacional "Vincente Rocafuerte": f. 1847; library of 13,000 vols.; publ. *Revista.*

Loja

Escuela Superior de Música (*Higher School of Music*): Universidad de Loja; Dir. José María Bustamente.

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EL SALVADOR

Population 2,799,010

ACADEMIES

San Salvador

Academia Salvadoreña (*San Salvador Academy*): 4th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.

Director: Enrique Córdova.
Vice-Director: Raúl Contreras.
Secretary: Alberto Rivas Bonilla.
Treasurer: Hermógenes Alvarado.

Members:

Avila, Julio Enrique
Barón Castro, Rodolfo
Escobar Serrano, Hector
Escalón, Jósé
Fagoaga, Manuel Alfonso
Fausto Fernández, Julio
Fortín Magaña, Romero
Galindo Polh, Reynaldo
Gallegos Valdés, Luis
Guzmán, Mauricio
Lindo, Hugo
Rodríguez Ruiz, Napoleón
Roman Pena, Miguel
Rosales, David
Urquía, Miguel Rafael
Vieira Altamirano, Napoleón

Academia Salvadoreña de la Historia (*San Salvador Academy of History*): f. 1925; Dir. Manuel Castro Ramírez; Sec. Julio Enrique Avila; correspondent of the Real Academia de la Historia, Madrid.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

San Salvador

Ateneo de El Salvador: 4a Avenida Norte y 1a Calle Oriente; f. 1912; library of 2,600 vols.; 30 mems., 95 corresponding mems.; Pres. Dr. Aristides Palacios; Sec.-Gen. a.i. Braulio Perez Marchant.

Comisión Salvadoreña de Energía Nuclear (*COSEN*): f. 1961; to consider the applications in medicine, agriculture and industry of radio-isotopes and nuclear energy.

Dirección General de Estadistica y Censos (*Statistics Office*): Calle Arce 1006; f. 1881; Dir. Tte. Cnel. José Castro Meléndez; publs. *Anuario Estadistico, Boletin Estadistico, Mejicanos y Villa Delgado, Indice de Precios al Consumidor Obrero para San Salvador.*

Dirección de Sanidad: f. 1900; Dir. Juan Allwood Paredes; publ. *Sanidad en El Salvador* (quarterly).

Instituto Indigenista de El Salvador (*Institute for Indian Affairs*): publ. *Boletín.*

Instituto Tropical de Investigaciones Científicas (*Tropical Institute of Scientific Research*): Apdo. 740, El Salvador, C.A.; f. 1950; study of natural phenomena; Dir. Dr. Aristides Palacios; Sec. Aida Cabezas O.; publ. *Anuario, Comunicaciones, Informaciones, Manual de las Aves de El Salvador.*

Parque Zoológico Nacional (*National Zoological Park*): El Modelo; f. 1953; Dir.-Admin. Edward Fischer.

Servicio Geológico Nacional: Departments of geology and seismology.

Servicio Meteorológico Nacional de El Salvador, C.A.: Ministerio de Obras Públicas, 23 Avenida Norte No. 114, San Salvador; f. 1953; formerly Observatorio Nacional Meteorológico y Sismológico, f. 1889; Dir. Ing. Helmut Lessmann; Sections: Meteorology, Synoptics and Aeronautics, Climatology, Hydrometeorology, Agrometeorology; publs. *Boletín Meteorológico de El Salvador, Almanaque Salvadoreño, Carta del Tiempo, Observaciones Sinópticas de 78-663 San Salvador-Ilopango-International Airport, Publicaciones Técnicas del Servicio Meteorológico Nacional de El Salvador.*

Santa Tecla

Dirección General de Investigaciones Agronomía: Centro Nacional de Agronomía.

LIBRARIES

San Salvador

Biblioteca Nacional de El Salvador (*National Library*): 8a Avenida Norte No. 228; f. 1867; 70,000 vols., 359 periodicals; collection of early 19th-century works relating to Central and South American States; Dir. Baudilio Torres; publ. *Anaqueles* (three times yearly).

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): 10,000 vols.; Librarian Manuel Antonio López.

MUSEUM

San Salvador

Museo Nacional "David J. Guzmán" (*National Museum*): Barrio de San Jacinto; f. 1883; Dir. Tomás Fidias Jiménez; specialises in history, archæology, ethnology, linguistics and natural science; publs. *Anales del Museo Nacional "David J. Guzmán"* and *Revista Tsunpame* (quarterly).

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UNIVERSITY

UNIVERSIDAD NACIONAL DE EL SALVADOR
(National University)

7A AVENIDA SUR 15, SAN SALVADOR
Telephone: 3400

Rector: Dr. Fabio Castillo.
Vice-Rector: Dr. M. González Guerrero.
Secretary-General: Roberto Emilio Cuéllar M.

Number of students: 1,979 men, 262 women, total 2,241.

Deans:

Faculty of Jurisprudence and Social Science: Adolfo Oscar M.
Faculty of Medicine: José Kuri.
Faculty of Chemistry and Pharmacy: Flora Espinoza.
Faculty of Odontology: Julio Oscar Novoa.
Faculty of Engineering: Ing. Baltasar Perla.
Faculty of Humanities: Manuel Vidal.
Faculty of Economics: Jorge Sol Castellanos.

Professors:

Faculty of Jurisprudence and Social Science:
Arias, Francisco A. (History of Juridical Institutions).
Arrieta Gallegos, Francisco (Civil Procedure and Cassation Law).
Avelar, Feliciano (Labour Law and Legislation).
Brannon, Max Patricio (Administrative Law and Political Economy).
Castro Peña, Jorge (Roman Law).
Castro Ramirez (h), Manuel (Criminology and Penal Procedure).
Cuéllar Milla, Roberto E. (Civil Law).
Díaz Juan Ramiro (Forensic Medicine).
Domimguez Susa, Julio A. (History of Judicial Institutions).
Fernández, Julio Fausto (Sociology and Philosophy of Law).
Hidalgo Qüelh, Guillermo (Procedural Law).
Jímenez, Héctor E. (Civil Law).
Leitzalar, Roberto (Civil Law and Roman Law).
Lima, Francisco R. (Labour Legislation).
López, César E. (Forensic Medicine).
Luna, Pedro E. (Commercial and Mercantile Law).
Méndez, José M. (Introduction to Law and Criminology).
Merlos, Salvador R. (Political Law and Constitution).
Miranda, Adolfo Oscar (Civil Law).
Nuñez, Ernesto A. (International and Diplomatic Law).
Paniaga, José I. (Civil Law).
Rochac, Alfonso (Public Finance).
Rodriguez Porth, José A. (Introduction to Philosophy).
Rodriguez Ruiz, Napoleón (Civil Law).
Salinas Ariz, José (Statistics).
Trigueros (h), Guillermo (Civil Law).
Vassiliu Hidalgo, Thony (Sociology).
Vega Gómez, Francisco (Private International Law).
Zeledón Castrillo, Arturo (Civil and Notarial Law).

Faculty of Medicine:
Allwood Paredes, Juan (Hygiene and Public Health).
Arevalo, Roberto (Biology).
Arguello, Raúl (Radiology).
Avilá Figueroa, Alberto (Medical Pathology).
Córtes Martínez, Saturnino (Descriptive Anatomy).
Escapini, Humberto (Ophthalmology).
González Bonilla, Carlos (Clinical Surgery).
González Guerrero, José (Gynæcology).
Jímenez, Roberto A. (Pathological Surgery).
Lazo Guerra, Antonio (Obstetrics).
Macias, Luis A. (Semeiological Surgery).
Llort, Juan (Pædiatrics).
Martínez, J. Ricardo (Pharmacology, Phthisiology and Materia Medica).
Masferrer, Roberto (Pathological Anatomy).
Mendoza, Lazaro (Medical Pathology and Semeiology).
Molina, Miguel A. (Biochemistry).
Morán, Francisco (Spanish).
Noubleau, Víctor M. (Oto-rhino-laryngology).
Orellana Valdes, Roberto (Clinical Obstetrics).
Posada, Victor M. (Physiology).
Posada (h), Ricardo (Pathological Surgery and Cancerology).
Rivas Bonilla, Alberto (History of Medicine, Forensic Medicine and Toxicology).
Vasquez, Luis E. (Therapeutics and Clinical Medicine).

Faculty of Chemistry and Pharmacy:
Alvarado, Elias (Deontology and Pharmaceutical Legislation).
Amaya, Luis A. (Zoological Pharmacy).
Anaya, Miguel A. (Technology).
Angel, Pedro Antonio (Hydrostatics, Heat and Acoustics).
Araúz Rodríguez, Rafael (Geology and Mineralogy).
Campos, Andrés A. (Quantitative Mineral Analysis).
Carías, Luis Andrés (Mineral Chemistry).
Castro Schott, Rafael (General Chemistry and Physiochemistry).
Castro Siguenza, José (Introduction to Study).
Echegoyen, Santiago (Analytical Geometry).
Escamilla, Manuel L. (Introduction to Philosophy).
Gonzáles Suvillaga, Francisco (Materia Medica).
Jule, Victorino (Applied Accountancy).
Lahud, Miguel A. (Organic Analysis).
López Salazar, Roberto (General Chemistry).
Machado, Roberto A. (Organic Chemistry).
Marín, Barbara de (English).
Menjívar, Alirio (Food Analysis).
Montoya Parada, Pablo (Medical Analysis).
Montoya Parada, Raúl (Chemistry and Analytical Biology).
Morán Ramirez, Julio C. (Organic Chemistry).
Ortíz, Victor (Analytical Toxicology).
Reyes, Pedro Alfredo (Algebra and Geometry).
Salinas Aríz, Manuel (Pharmaceutical Technology).
Santos, Mario A. (Parasitology and Bacteriology).
Trujillo y Ortíz, León (Organic Chemistry).

Faculty of Odontology:
Acevedo, Ricardo (Anæsthetics and Exodontics).
Alfaro, Daniel A. (Operative Medicine).
Arguello Lourcel, Ernesto (Oral Surgery, Orthodontics, Paradentosis).
Córtez, Saturnino (General Anatomy).
Cotera, José de la (Pathology).
Cuéllar, Roberto (General Anatomy).
González C., Enrique (Crowns and Bridges).
Hernandez, J. Salvador (Technical Prosthesis).
Levy van Severen, H. (Bacteriology and Parasitology).
López, Atilio H. (Operative Odontology).
Magaña, Marco Tulio (Physics and Biochemistry).
Martínez, J. Ricardo (Physiology and Pathology).
Prado Mendez, José (Clinical Surgery).
Recinos Cea, Carlos (Operative Odontology and Radiology).
Rivas Arthés, José (Therapeutics and Materia Medica).
Romero Hernández, Ernesto (Oral Diagnosis).
Romero Hernandez, Napoléon (Histology and Dental Embryology).
Salinas Ariz, Roberto (Dental Materials).
Sampera B., Alfonso (Clinical Surgery).
Villalta, Humberto U. (Sanitary Odontology).
Zavaleta, Benjamin (English).
Zepeda (h), Carlos (Dental Materials).

Faculty of Engineering:
Amaya, Efraín (Applied Hydraulics).
Baños Pacheco, Oscar (Statistics).
Cartagena, Gustavo (Analysis).
Chiringhello, Carlos (Topography).
Cordero, Rafáel (Drawing).
Escobar, Enrique (Calculus).
Flores, Saúl (Spanish).
Gallegos, Francisco A. (Applied Legislation).
García Rossi, Ernesto (Drawing).
García, Mariano (History of Art).
Guillén Ch., Alfredo (Concrete Building).
Katstaller, Karl (Blue Print).

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KURI, EDMUNDO (Drawing).
MARÍN, BARBARA DE (English).
MARTÍNEZ, NESTOR (Physics).
MINASI, ANTONIO (Hydraulic Works).
NUILA MACAY, EDWIN (Stability).
PAREDES, PABLO (Highways).
POCASANGRE, ARNOLDO (Analysis).
REINOSA, JUAN J. (Mechanics and Dynamics).
RETTER, HENRY H. (Architectural Planning).
REYES, OSCAR (Drawing).
REYES, PEDRO ALFREDO (Chemistry).
RODRÍGUEZ, ALEJANDRO F. (Technical Description).
ROMERO, RENATO (Technical Composition).
SALAZAR, ROBERTO (Reinforced Concrete).
SANTANA, MANUEL F. (Sanitary Engineering).
SANTANA, RICARDO (Resistance of Materials).
SANTOS VILLATORO, JOSÉ (Mathematics).
SEAMAN, ANTONIO (Physics).
SUÁREZ, EDGARDO (Electrotechnics).
URRUTIA EVANS, EDUARDO (Procedure of Building).
VALDÉS, VICTOR MANUEL (Statistics).

Department of Agronomical Engineering:
ARGUETA, MARIO E. (National Resources).
CABEZAS RIVAS, RICARDO (Agricultural Machinery).
CANO, JUAN (Agricultural Research).
CLEVES, RODRIGO (Storage and Conservation of Grain).
DOMINGUEZ, RICARDO (Coffee Marketing).
DURÁN, ENRIQUE (Rural Building).
FLORES, MIGUEL A. (Sugar Cane Growing).
GALVAN, JOSÉ G. (Resistance of Materials).
LESMAN, HELMUTH (Meteorology).
MARTÍNEZ SALOMON E. (Statistics).
MUYSHONDT, ROGELIO (Sugar Mills).
OLMEDO, ROBERTO (Animal Genetics).
SALEGIO, OSCAR R. (Drains and Irrigation).
TENORIO, HERNÁN (Agricultural Economy).
VILANOVA, TOMÁS (Coffee Plantation).

Faculty of Humanities:
CHAVARRÍA FLORES, MANUEL (General Didactics).
ECHEGOYÉN, SANTIAGO (Cosmography).
ESCAMILLA, MANUEL L. (History of Philosophy and Culture).
ESCOBAR BUSTAMENTE, E. (Integral Calculus).
FERNÁNDEZ, JULIO F. (Metaphysics, Philosophy, Theory of Knowledge).
GARCÍA VILLAS, MARIANO (Anthropology, Philosophy of Science).
GÓCHEZ MARÍN, ANGEL (Legal Notions).
HERNÁNDEZ SEGURA, R. E. (Statistical Methods).
HUERTAS GARCÍA, ALFREDO (History of Spanish Literature).
LANDARECH, Rev. ALFONSO M. (Spanish Grammar).
LEPIDUS, HENRY (English, Composition and Translation of Spanish).
MARÍN, BARBARA DE (English).
MEJÍA, JULIO B. (Mental Assessment).
PFEIFER, F. (Algebra and Contemporary Sciences).
ROCHAC, ALFONSO (Economics and Statistics).
STAHEL, ALBERT W. (Logistics, Psychology, Mental Hygiene, Psychodiagnotics).
STEE, MARJORIE (Phonetics and Elocution).
ULLOA MORAZÁN ESTEBAN (English).

Faculty of Economics:
ANAYA, MANUEL A. (Economics and Legal Notions).
BEATRÍZ, ALFONSO M. (Economic and Consular Legislation, Public Finance).
CARILLO, RENÉ S. (Introduction to Economics).
CHÁVEZ, FIDEL A. (Algebra and Plain Trigonometry).
CRIOLLO, JOSÉ L. (General Accountancy).
CUÉLLAR ORTÍZ, VICTOR M. (International Commerce).
DUARTE, ROLANDO (Introduction to Economics).
ECHÉGOYEN, SANTIAGO (Mathematics).
ESCOTO, RICARDO (History of Economics).
FERNÁNDEZ, JULIO F. (Sociology).
FLORES, ULISES (History of Economic Doctrine).
HERNÁNDEZ SEGURA, ROBERTO E. (Economic Problems of Central America).
MARTELL, EUSEBIO (Theory of Crisis).
MORALES FLORES, ARTURO (Theory of Currency and Credit).
MORÁN, FRANCISCO (Universal History).
PANIAGUA, JOSÉ I. (Mercantile Law).
PILOÑA ARAÚJO, GABRIEL (Economic Geography).
RODRÍGUEZ (h), ABRAHAM (Labour Law and Social Security).

COLLEGES

Escuela de Servicio Social de El Salvador (*El Salvador School of Social Service*): 5A Calle Poniente 119, San Salvador; f. 1953.
Director: JOSÉ RAÚL CALDERÓN.
Number of teachers: 29.
Number of students: 53.

Escuela Normal Superior: 10A Avda. Sur 151, San Salvador.

Escuela Nacional de Comercio: 6A Calle Oriente 34, San Salvador.

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ETHIOPIA

Population 20,000,000

ACADEMY

Imperial Ethiopian Academy: Addis Ababa; f. 1959; to encourage correct usage in vocabulary, grammar and style and to publish a dictionary of the Amharic language and various other bulletins, monographs and studies; special attention will be paid to the translation of foreign scientific and technical terms used in research, education, industry and commerce; an official system of transliteration into and from the Amharic and Latin alphabets will be prepared by the Academy; support for the enterprise is being undertaken by UNESCO.

LEARNED SOCIETIES

British Council: P.O. Box 1043, Addis Ababa; Representative P. G. LLOYD, M.A.

Deutsches Kultur-Institut: P.O.B. 1193, Addis Ababa; f. 1962; Dir. Dr. ROLF RAUSCHENBACH.

Ethnological Society (of University College): Addis Ababa; f. 1951; aims to record the patterns of everyday life of the peoples from different provinces and to collect the artistic products of Ethiopian folklore; Pres. Ato LEGESSE WORKIE; Sec. Ato ELEHU FELEKE; publ. *Yearly Bulletin* in English and Amharic.

Geophysical Observatory: Haile Sellassie I University, P.O. Box 1176, Addis Ababa; f. 1958; located on the magnetic aquator, for study of geomagnetic transients and the equatorial electrojet and seismicity in the Rift Valley; Principal P. GOUIN, M.SC., F.R.A.S.

Institut Ethiopien d'Archéologie: B.P. 1907, Addis Ababa; conducts archæological excavations at Axoum, Yeha, Matara, Adoulis and is compiling a notebook of historical geography; Dir. H. E. Ato KEBBÉDÉ MIKAEL; Archæologists M. FRANCIS ANFRAY, M. GUY ANNEQUIN; publ. *Annales d'Ethiopie* (review).

Institute of Ethiopian Studies: Haile Sellassie I University, P.O. Box 1176, Addis Ababa; f. 1963; advanced study and research centre; library and ethnological-historical museum; Dir. Dr. RICHARD PANKHURST; Librarian and Curator STANISLAW CHOJNACKI; publs. to include *Journal of Ethiopian Studies* (bi-annually) and *Register of Research on Ethiopia.*

Istituto Italiano di Cultura: Addis Ababa; Dir. Prof. GIOVANNI SCATTOLINI.

U.S. Information Centers: Patriots' Street, Addis Ababa; br. at Asmara.

LIBRARIES

Asmara Public Library: 20 Haile Sellassie I Ave., Asmara; f. 1955; 5,000 vols.

National Library: P.O. Box 717, Addis Ababa; f. 1944; 52,000 vols.; Dir. KEGNAZMATCH ZAWDIE TADESSE; Librarians: Research Div. H. W. LOCKOT, Public Div. R. PANKHURST.

United States Information Service Library: P.O. Box 2059, Addis Ababa; f. 1950; 5,200 vols.

University Library: Addis Ababa; f. 1950; over 28,000 vols.; collection includes rare books, pamphlets and maps on Ethiopia published abroad; special attention is paid to the collection of books in the Amharic language; Librarian STANISLAW CHOJNACKI.

MUSEUMS

Musée Archéologique: c/o Institut Ethiopien d'Archéologie, B.P. 1907, Addis Ababa; Dir. H. E. Ato KEBBÉDÉ MIKAEL.

University College Museum: Addis Ababa; ethnological collection, including Ethiopian implements, clothes, weapons and pottery. A complete set of coins of Harar is of special historical value; botanical and natural history collections, especially of lepidoptera; Curator STANISLAW CHONJNACKI.

UNIVERSITY

HAILE SELLASSIE I UNIVERSITY

P.O. BOX 1176, ADDIS ABABA

Telephone: 13270

University College founded 1950, University 1961

Chancellor: His Imperial Majesty HAILE SELASSIE I, Emperor of Ethiopia.

President: LIJ KASSA WOLDE MARIAM.

Registrar: Dr. MARGARET GILLETT.

Librarian: Mrs. R. PANKHURST.

Number of teachers: 198 full-time.

Number of students: 1,041 day, 1,762 extension.

Publications: *Journal of Ethiopian Studies, Bulletin of Ethnological Society, Bulletin of the Geophysical Observatory,* etc.

DEANS:

Faculty of Arts: Z. YABETZ.

Faculty of Education: AKLILU HABTE.

Faculty of Law: J. C. N. PAUL.

Faculty of Medicine: (Vacant).

Faculty of Science: A. JOBOPINSKY.

Building College: L. M. GIERTZ.

College of Agriculture: L. F. MILLER.

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College of Engineering: Y. PETER.
Public Health College: ASSEFA TEKLE, D. CARLSON.
Theological College of Holy Trinity: K. C. JOSEPH.
Students: PAULOS ASRAT.

FULL PROFESSORS:

ALBERS, C. C. (Pharmacy).
ALLEY, S. (Education).
CALDER, G. H. (Business).
CHANG, EN SHU (Surgery).
CHANG, WEN PEN (Preventive Medicine).
GIERTZ, L. M. (Building Engineering).
GOUIN, P. (Geophysics).
HASSELGREN, S. (Engineering).
KOROSTOVETZ, V. (Biology).
MURPHY, H. F. (Agriculture).
PETER, Y. (Engineering).
ROBERTSON, W. (Education).
SAMAAN-HANNA, A. (English).
SPONDER, E. (Engineering).
STRATTON, J. B. (Agriculture).
SUMNER, C. (Philosophy).
SZULDRYNSKI, J. (Political Science).
TJONNELAND, A. (Zoology).

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FINLAND

Population 4,446,222

ACADEMIES

Suomen Akatemia (*Academy of Finland*): Helsinki, Hallituskatu 1; f. 1948 to promote the highest intellectual culture; the President of the Republic appoints, on the advice of a board of experts, twelve distinguished representatives of science and the arts (nine scientists and three artists) to membership; they receive salaries equivalent to the highest State grade, which enable them to carry out creative work in their own field unhampered by routine duties.

President: Paavo I. Ravila (Finno-Ugrian Linguistics).
Secretary: Lauri Saxén.

Members:

Aalto, Alvar (Architecture).
Aaltonen, Wäinö (Sculpture).
Haavio, Martti H. (Finnish and Comparative Folklore).
Kokkonen, Joonas (Musical Composition).
Laurila, Erkki A. (Technical Physics).
Nevanlinna, Rolf (Mathematics).
Palmén, Erik (Meteorology).
Vilkuna, Kustaa (Finno-Ugrian Ethnology).
Virtanen, Artturi I. (Chemistry).
Von Wright, Georg H. (Philosophy).
Waltari, Mika T. (Author).

Suomalainen Tiedeakatemia (*Finnish Academy of Science and Letters*): Helsinki, Snellmaninkatu 9; f. 1908; the library (open to the public) contains approx. 30,000 vols.; publs. *Annales Academiae Scientiarum Fennicae, F.F. Communications, Documenta Historica, Sitzungsberichte* (*Proceedings*), etc.

President: Rafael Koskimies.
Secretary-General. Emil Öhmann.

Members:

Mathematics and Natural Sciences Section:

Ylppö, Arvo Henrik (1919).
Eskola, Pentti Eelis (1921).
Myrberg, Pekka Juhana (1921).
Vaisälä, Kalle (1924).
Nevanlinna, Rolf Herman (1924).
Saalas, Uunio (1926).
Heikinheimo, Klas Olli (1926).
Keränen, Jaakko (1926).
Ilvessalo, Yrjö (1926).
Nevanlinna, Frithiof Eduard Henrik (1927).
Auer, Väinö (1927).
Virtanen, Artturi Ilmari (1927).
Reenpää, Yrjö (1928).
Saari, Eino Armas (1928).
Heiskanen, Veikko Aleksanteri (1928).
Väisälä, Vilho (1932).
Väisälä, Yrjö (1933).
Lönnroth, Erik Johannes (1934).
Kilpi, Sulo Taavetti (1936).
Kivikoski, Ernst Ensio (1936).
Laitakari, Aarne Vihtori (1937)
Kujala, Viljo Vilho (1942).
Suomalainen, Paavo (1944).
Meurman, Mauri Olavi (1945).
Tommila, Eero Akseli (1946).
Waris, Harry Ilmari (1947).
Suomalainen, Esko (1947).
Laurila, Erkki Aukusti (1947).
Järnefelt, Gustaf Juhana (1948).
Fontell, Nils Daniel (1949).
Kivinen, Erkki Oskari (1949).
Näsänen, Reino Olavi (1949).
Sahama, Thure Georg (1949).
Niini, Risto Ilmari (1950).
Kalela, Aimo Aarno Antero (1950).
Valle, Otto Ferdinand (1951).
Pesonen, Niilo Natanael (1951).
Leimu, Reino Sulo (1951).
Inkeri, Kustaa Adolf (1951).
Kukkamäki, Tauno Johannes (1951).
Kerppola, William (1952).
Ylinen, Arvo Albin Johannes (1952).
Pohjakallio, Onni Aulis (1953).
Laasonen, Veikko Pentti Johannes (1953).
Vannas, Mauno Viktor (1954).
Laitakari, Erkki Assar (1954).
Franssila, Matti Olavi (1954).
Aario, Leo Eino (1954).
Toivonen, Sulo Ilmari (1954).
Järnefelt, Heikki Arvid (1955).
Vartiovaara, Unto Johannes (1955).
Renkonen, Karl Olof (1955).
Hirvonen, Reino Antero (1955).
Erkama, Jorma (1955).
Roine, Paavo Kultimo (1955).
Kalela, Eino Antero Olavi (1956).
Kangas, Mauno Esko (1956).
Miekk-oja, Heikki Malakias (1956).
Palmén, Aarne Johannes (1956).
Tahvonen, Paavo Erik (1957).
Jalavisto, Eeva Ottilia (1957).
Saarinen, Pellervo (1957).
Tuominen, Jaakko Vilhelmi (1957).
Rankama, Kaarlo Kalervo (1957).
Hela, Ilmo (1959).
Hirsjärvi, Heimo Pekka (1959).
Palmén, Ernst Philip (1959).
Putkonen, Tauno Ilmari (1959).
Hovi, Väinö Toivo (1960).
Järvi, Osmo Henrik (1960).
Erämetsä, Kurt Heikki Olavi (1961).
Jauho, Pekka Antti Olavi (1962).
Hartiala, Kaarlo Jakob Waldemar (1962).
Lehto, Erkki Olavi (1962).
Miettinen, Jorma Kalervo (1962).
Okko, Veikko Oma Toivo (1962).
Siivonen, Lauri Kalervo (1962).
Uotila, Unto Uuno (1962).
Vuorela, Lauri Antero (1962).
Sarvas, Risto Olavi (1963).
Kantola, Martti Heikki (1963).
Halonen, Pentti Ilmari (1963).
Simonen, Ahti Jouko Päiviö (1963).

Humanities Section:

Linkomies, Edwin Johan Hildegard (1931).
Rapola, Martti Olavi (1932).
Öhmann, Emil (1932).
Jaakkola, Kaarle Jalmari (1933).
Äyräpää, Aarne Elias (1936).
Juva, Einar Wilhelm (1936).
Maliniemi, Aarno Henrik (1936).
Hollo, Juho Aukusti (1937).
Katara, Väinö Pekka (1941).
Korhonen, Arvi Heikki (1941).
Gulin, Eelis Gideon (1942).

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Koskimies, Kaarlo Rafael (1944).
Ravila, Paavo Ilmari (1944).
Honkasalo, Brynolf (1945).
Suviranta, Bruno Kaarle (1945).
Hakulinen, Yrjö Juho (1946).
Jutikkala, Eino Kaarlo Ilmari (1946).
Itkonen, Toivo Immanuel (1947).
Tudeer, Alf Emil (1948).
Sormunen, Eino Aukusti (1948).
Salomies, Ilmari Johannes (1948).
Tirkkonen, Tauno Juhani Uolevi (1948).
Haavio, Martti Henrikki (1948).
Vilkuna, Kustaa Gideon (1948).
Posti, Lauri Albert (1948).
Itkonen, Erkki Esaias (1948).
Kivimäki, Toivo Mikael (1949).
Räsänen, Arvo Martti Octavianus (1949).
Kivikoski, Ella Margareta (1949).
Biese, Yrjö Mooses Jalmari (1949).
Sovijärvi, Arvi Antti Ilmari (1949).
Väänänen, Veikko Ilmari (1950).
Leppo, Niilo Matti Rafael (1950).
Salonen, Armas Immanuel (1950).
Hakulinen, Lauri Pekka (1951).
Castrén, Erik Johannes Sakari (1951).
Renvall, Pentti Uuno Nathanael (1951).
Lauha, Leevi Aarre Samuel (1951).
Alanen, Aatos Volmar (1952).
Lehtovaara, Arvo Johannes (1952).
Fieandt, Kai Viktor von (1952).
Halila, Aimo Oskari (1952).
Salmiala, Bruno Aleksander (1953).
Nurmio, Yrjö Fredrik (1953).
Luukko, Frans Armas (1953).
Nikolainen, Aimo Tauno (1953).
Ketonen, Oiva Toivo (1953).
Koskenniemi, Matti (1956).
Rekola, Tyyko Aarne Johannes (1957).
Niitemaa, Theodor Vilhelm (1957).
Alanen, Aulis Johannes (1958).
Merikoski, Veli Kaare (1958).
Heikonen, Arvo Rafael (1959).
Nirvi, Ruben Erik (1959).
Pettersson, Lars Karl Johan (1959).
Virtanen, Erik Anton (1959).
Penttilä, Aarni Emanuel (1961).
Viljanen, Lauri Sakari (1961).
Mustanoja, Tauno Frans (1961).
Hintikka, Kaarlo Jaakko (1961).
Aalto, Pentti (1962).
Waris, Heikki Tapio (1962).
Ellila, Tauno Kaarlo (1963).
Kansanaho, Erkki Kalervo (1963).

Societas Scientiarum Fennica-Finska Vetenskaps-Societeten-Suomen Tiedeseura (*Finnish Scientific Society*): Helsinki, Tammitie 11; f. 1838; publ. *Årsbok-Vuosikirja* (Yearbook), *Commentationes physico-mathematicae, biologicae, humanarum litterarum, Bidrag till kännedom av Finlands natur och folk, Acta A. B. C.*

President: Prof. Dr. L. Simons.
Secretary: Prof. Dr. Pontus Palmgren.

Members:

Mathematics and Physics Section:

Wahl, Walter August (1915).
Eskola, Pentti Eelis (1924).
Wasastjerna, Jarl Axel (1926).
Nevanlinna, Rolf Herman (1927).
Brotherus, Hjalmar Viktor (1931).
Buch, Kurt Karl Wilhelm (1933).
Palmén, Erik Herbert (1934).
Hausen, Hans Magnus (1938).
Simons, Jakob Lennart (1942).
Enkvist, Terje Ulf Eugen (1943).
Stenij, Sten Einar (1945).
Aspelund, Helge Allan Ossian (1945)
Fontell, Nils Daniel (1945).
Järnefelt, Gustaf Juhana (1946).
Elfving, Erik Gustav (1948).
Ekwall, Per (1949).
Ölander, Victor Rafael (1949).
Ringbom, Anders Johan (1952).
Myrberg, Pekka Juhana (1953).
Pipping, Nils Johan (1953).
Laurila, Erkki Aukusti (1955).
Gripenberg, Jarl Mauritz Leonard (1955).
Gustafsson, Carl (Charley) August Fridolf (1955).
Hela, Ilmo (1956).
Törnquist, Leo Waldemar (1956).
Pehrman, Gunnar Edvard (1959).
Ap Hällström, Gunnar Johannes (1959).
Donner, Joakim Jalmar (1959).
Vuorela, Lauri Antero (1960).

Natural History Section:

Luther, Alexander Ferdinand (1908).
Lindberg, Harald (1917).
Palmgren, Alvar (1918).
Järvi, Toivo Henrik (1919).
Collander, Paul Runar (1929).
Hildén, Kaarlo Thorsten Oskar (1930).
Saltzman, Fredrik (1930).
Buch, Hans Robert Viktor (1932).
Krogerus, Rolf (1933).
Frey, Richard Karl Hjalmar (1935).
Palmgren, Pontus (1937).
von Bonsdorff, Bertel Magnus (1939).
Kotilainen, Mauno Johannes (1940).
Backman, Albin Lennart (1942).
Segerstråle, Sven Gustav (1943).
Wallgren, Ivar (1947).
Cedercreutz, Carl Vilhelm (1948).
Lindberg, Håkan (1948).
von Haartman, Las Arvid Axel (1951).
Marklund, Georg Gunnar (1951).
Sonck, Carl-Eric (1952).
Suomalainen, Esko (1952).
Hustich, Väinö Ilmari (1953).
Kalela, Aimo Aarno Antero (1953).
Hjelmman, Göran (1954).
Räihä, Carl-Eric Emil (1954).
Hackman, Walter Leopold Victor (1955).
Bergman, Göran Gustaf Konstantin (1955).
Luther, Hans Edmund (1955).
Teir, Harald Gustaf (1955).
Langenskiöld, Anders Fabian (1956).
Donner, Kai-Otto (1957).
Kurtén, Björn (1957).
Oker-Blom, Nils Christian Edgar (1957).
Von Numers, Claës Johan (1957).
Waris, Harry Ilmari (1959).
Jalas, Arvo Jaakko Juhani (1959).

Humanities Section:

Sundwall, Johannes (1911).
Zilliacus, Gustaf Emil (1940).
Nordman, Carl Axel (1942).
Wikman, Karl Robert Villehad (1942).
Pipping, Hugo Rudolf (Rolf) (1942).
Pipping, Hugo Edvard (1944).
Reuter, Ole Roger (1944).
Äyräpää, Aarne Elias (1946).
Numelin, Ragnar Julius (1946).
Anthoni, Eric Gustav (1946).
von Wright, Georg Henrik (1947).
Hemmer, Ragnar Erik (1948).
Zilliacus, Johan Henrik (1948).
Bruhn, Karl (1949).
Knoellinger, Fredrik Carl Erik (1949).
Lindman, Sven Olaf Gustav (1949).
Ringbom, Lars-Ivar Edvin (1950).
Cleve, Nils Joachim Otto (1950).
Ahlbäck, Torvald Olav Otto (1950).
Öhmann, Emil (1952).
Roos, John Erik (1952).
Hirn, Hans (1952).
Hornborg, Eirik Mikael (1953).
Nikula, Karl Oscar (1953).
Rapola, Martti Olavi (1955).
Ravila, Paavo Ilmari (1955).
Biese, Yrjo Moses Jalmari (1955).

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Ekelund, Erik Runar Selim (1955).
Taxell, Lars Erik (1955).
Stenius, Erik (1956).
Enckell, Olof Wilhelm Toussaint (1956).
Kiparsky, Valentin Julius Aleksander (1956).
Palmgren, Bo Gustaf (1956).
Gallén, Jarl Wilhelm Erik (1957).
Tegengren, Helmer (1957).
Charlotte Johanna Lolo (1960).
Krusius-Ahrenberg, Helene (1960).
Jansson, Jan Magnus (1960).
Jutikkala, Eino Kaarlo Ilmari (1960).
Von Kraemer, Erik Oscar (1960).
Meinander, Carl-Frederik Waldemar (1960).
Vilkuna, Kustaa Gideon (1960).

LEARNED SOCIETIES

General

Delegation of Scientific Societies: Helsinki, Snellmaninkatu 9-11; f. 1899; Pres. Prof. Yrjö Nurmio; Vice-Pres. Prof. Pontus Palmgren; Sec. Nils Berndtson, m.a. Library: *see* Tieteellisten Seurain Kirjasto (*under* Libraries).

Agriculture, Forestry

Suomen Maataloustieteellinen Seura (*Scientific Agricultural Society of Finland*): Helsinki, Hallituskatu 3A; f. 1909; 290 mems.; Pres. A. Reinikainen; Sec. V. Vainikainen; Librarian M. Tulander (the library contains 20,000 vols.); publs. *Acta Agralia Fennica, Maataloustieeellinen Aikakauskirja.*

Suomen Metsatieteellinen Seura (*Society of Forestry in Finland*): Helsinki, Unioninkatu 40 B; f. 1909 to encourage forest research work in Finland; is composed of persons devoting themselves to the study of forestry and its underlying theory; Pres. P. J. Viro; Sec. Viljo Holopainen; publs. *Acta Forestalia Fennica, Silva Fennica.*

Archæology

Suomen Muinaismuistoyhdistys-Finska Fornminnesföreningen (*Archæological Society of Finland*): Helsinki, Kansallismuseo; f. 1870; about 450 mems. Pres. Ella Kivikoski; Sec. A. E. Era-Esko; publs. *Suomen Museo, Finskt Museum, Suomen Muinaismuistoyhdistyksen Aikakauskirja-Finska Fornminnesföreningens Tidskrift, Kansatieteellinen Arkisto.*

Biology

Societas Entomologica Fennica (*Suomen Hyönteistieteellinen Seura*): P.-Rautatienk 13, Helsinki; f. 1935; library; Pres. Prof. E. Kangas; Vice-Pres. Prof. H. V. Kanervo; Sec. Dr. E. Karppinen; publs. *Annales Entomolgici Fennici, Acta Entomologica Fennica.*

Societas pro Fauna et Flora Fennica: Helsinki, Ständerhuset; f. 1821; 600 mems.; the library contains 32,000 vols.; Pres. Dr. K. O. Donner; Sec. Dr. G. Bergman; publs. *Acta Societatis pro Fauna et Flora Fennica, Acta Botanica Fennica, Acta Zoologica Fennica, Memoranda Societatis pro Fauna et Flora Fennica, Fauna Fennica, Flora Fennica.*

Societas Zoologica Botanica Fennica Vanamo (*Suomalainen Eläin-ja Kasvitieteellinen Seura Vanamo*): Helsinki, Snellmaninkatu 9-11; f. 1919 (as students' association 1896); Pres. Risto Tuomikoski; Sec. Rauno Ruuhijarvi; Exchange Librarian Jaakko Syrjämäki; publs. *Annales Botanici, Annales Zoologici* (irregular), *Archivum* (quarterly), *Suomen Eläimet* (Animalia) Fennica (irregular), *Luonnon Tutkija* (The Naturalist—5 issues a year).

Suomen Lintutieteellinen Yhdistys (*Finnish Ornithological Society*): Pihlajatie 50, Helsinki; Sec. Prof. Olavi Kalela.

Chemistry

Biokemiallinen Tutkimuslaitos (*Biochemical Research Institute*): Helsinki, Kalevankatu 56B; f. 1929; labs. of the Foundation for Chemical Research and of Valio Finnish Co-operative Dairies' Association; the library contains about 5,750 vols.; Dir. Prof. Artturi I. Virtanen, ph.d.; publ. *Kemiantutkimus-Säätiön vuosikertomus* (Annual Report of the Foundation for Chemical Research).

Finska Kemistsamfundet-Suomen Kemistiseura (*Chemical Society of Finland*): Helsinki, P.O. Box 476; f. 1891; 380 mems.; Pres. Olaf Forsander, dr.phil.; Sec. Tor-Magnus Enari, dr.phil.; publs. *Finska Kemistsamfundets Meddelanden, Suomen Kemistiseuran Tiedonantoja.*

Suomalaisten Kemistien Seura (*Finnish Chemical Society*): Helsinki, Erottajankatu 1-3 All; f. 1919; 1,275 mems.; Pres. Paavo Purokoski; Sec. Keijo Mäkelä; publ. *Suomen Kemistilehti* (monthly).

Economics

Ekonomiska Samfundet i Finland (*Economic Society of Finland*): Helsinki, Kronbergsg. 7; f. 1894; 555 mems.; Pres. Gunnar Modeen; Sec. C. G. Tollet; publ. *Ekonomiska Samfundets Tidskrift* (quarterly), ed. Hugo E. Pipping.

Kansantaloudellinen Zhdistys (*Finnish Economic Association*): Helsinki, Kirkkokatu 14; f. 1885; Pres. Lauri O. Af. Heurlin; Sec. Alfred Westphalen; publ. *Kansantaloudellinen Aikakauskirja* (The Finnish Economic Journal) and *Kansantaloudellisia Tutkimuksia* (Economic Studies).

Taloushistoriallinen Yhdistys (*Economic History Society*): Havsgatan 7A 2, Helsinki; f. 1952; studies economic and social history; 54 mems.; Chair. Prof. Eino Jutikkala; Hon. Sec. Prof. Sven-Erik Åström; publ. *Scandinavian Economic History Review* (in co-operation with other Scandinavian societies for the advancement of the study of economic history).

Geography, Geology

Suomen Geologinen Seura (*Geological Society of Finland*): Helsinki, Otaniemi; f. 1886; 411 mems.; Pres. Oke Vaasjoki; Sec. Matti Laitala; publs. *Comptes Rendus de la Société géologique de Finlande*, incorp. with *Bulletin de la Commission géologique de Finlande, Geologi* (ten issues a year).

Suomen Maantieteellinen Seura-Geografiska Sallskapet i Finland (*Geographical Society of Finland*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1888; 950 mems.; the library contains approx. 50,000 vols.; Pres. Prof. Vladi Marmo; Sec. Prof. Veikko Okko; Librarian M. Kahla; publs. *Fennia, Acta Geographica and Terra.*

History, Genealogy

Historian Ystäväin Liitto (*Federation of the Friends of History*): Portimopolku 14A, Helsinki; Sec. Fil Dr. Päiviö Tommila.

Suomen Historiallinen Seura (*Finnish Historical Society*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1875; 300

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mems.; the library contains 20,000 vols.; Pres. Prof. Dr. VILHO NIITENAA; Sec. Dr. YRSÖ BLOMSTEDT; Librarian Prof. Dr. PENTTI RENVALL; publs. *Historiallinen Arkisto* (Historical Archives), *Historiallisia Tutkimuksia* (Historical Researches), *Suomen historian lähteitä* (Sources of the history of Finland), *Käsikirjoja* (Handbooks), *Studia Historica* (Historical Studies in German, French and English).

Suomen Kirkkohistoriallinen Seura (*Finnish Society of Ecclesiastical History*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1891; 701 mems.; Pres. Prof. Dr. K. PIRINEN; Sec. Dr. M. PARVIO; publs. *Vuosikirja-Årsskrift* (Yearbook), *Toimituksia-Handlingar* (research papers).

Suomen Sukututkimusseura-Genealogiska Samfundet i Finland (*Genealogical Society of Finland*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1917; 704 mems.; the library contains about 20,000 vols.; Pres. JARL GALLEN, PH.D.; Sec. H. M. HOLMBERG; Librarian YRJÖ BLOMSTEDT, PH.D.; publs. *Vuosikirja-Årsskrift* (Yearbook), *Genos* (quarterly), *Julkaisuja-Skrifter* (Monographs).

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Eerikinkatu 22, Helsinki; Rep. R. P. H. DAVIES.

Goethe Institut: Vaasankatu 12B, Jyväskylä; Dir. MANFRED BOLBACH; also Hameenkatu 30, Tampere; Dir. WERNER FRITZE.

Istituto Italiano di Cultura: Ullankatu 3, Helsinki; Dir. Prof. ROBERTO WIS.

U.S. Information Center: Kaivokatu 10A, 4th Floor, Helsinki.

LAW

Juridiska Föreningen i Finland (*Law Society of Finland*): Helsinki; f. 1862; 780 mems.; Pres. GUNNAR NYBERGH, Högbergsgatan 1B; Sec. STEN WASASTJERNA, Engelplatsen 21; publs. *Tidskrift, utgiven av Juridiska Föreningen i Finland*, various legal publications.

Suomalainen Lakimiesyhdistys (*Finnish Juridical Society*): Helsinki, Döbelninkatu 5B; f. 1898; 2,850 mems.; Pres. Prof. Dr. TAUNO TIRKKONEN; Secs. P. NIEMISTÖ, O. IKKALA; publs. *Lakimies, Suomalaisen Lakimiesyhdistyksen Julkaisuja*, series A-D.

International Law Association: Finnish branch f. 1946; Pres. YRJÖ J. HAKULINEN, LL.D., President of the Court of Appeals; Vice-Pres. ERIK CASTREN, LL.D., Prof. of Law; Council: HERBERT ANDERSSON, RUDOLF BECKMAN, BERNDT GODENHIELM, REINO ERMA, EERO HAGAN, MAURI HAKAPÄÄ, HEIKKI JOKELA, KAARLO KAIRA, PAAVO KASTARI, EERO MANNER, SIGURD VON NUMERS, OLOF RISKA, VOITTO SAARIO, TOIVO SAINIO; Hon. Sec. VELI-MARTTI METSÄLAMPI, Uudenmaankatu 39A, Helsinki; 101 mems.

LITERATURE, THE ARTS

Kirjallisuudentutkijain Seura (*Society of Literary Research Workers*): Mannerheimintie 134A 44, Helsinki; f. 1927; serves as a link between literary research workers and promotes their work in Finland; 146 mems. (incl. 6 foreign corresp. mems.); Pres. Prof. LAURI VILJANEN; Vice-Pres. Prof. VÄINÖ KAUKONEN; Sec. RAUNO VELLING, M.A.; publ. *Kirjallisuudentutkijain Seuran Vuosikirja* (Annual of Literary Historians).

Suomen Kirjailijaliitto (*Association of Finnish Authors*): Helsinki, Runeberginkatu 32C; f. 1897; allied to the Scandinavian Authors' Council; 282 mems.; Pres. YRJÖ SOINI; Exec. Sec. JARL LOUHIJA; publs. *Suomen Runotar, Suomalaiset kertojat.*

Suomalaisen Kirjallisuuden Seura (*Finnish Literary Society*): Helsinki, Hallituskatu 1; f. 1831; 2,000 mems.; Pres. Prof. MARTTI RAPOLA; Sec. Prof. TOIVO VUORELA. *See also* under "Libraries".

Suomen Näytelmäkirjailijaliitto (*Dramatists' League of Finland*): Helsinki, Vironkatu 12B; f. 1921; Pres. HUUGO JALKANEN; Sec. JARL LOUHIJA.

Svenska Litteratursällskapet i Finland (*Swedish Literary Society of Finland*): Helsinki, Snellmaninkatu 9-11; f. 1885; the library contains 12,000 vols.; 2,600 mems.; Pres. C. A. NORDMAN, PH.D.; Sec. JOHN E. ROOS, PH.D.; publ. *Skrifter.*

Finlands Svenska Författareförening (*Assen. of Swedish Authors*): Helsinki, Parkgatan 11B; f. 1919; 158 mems.; the library contains 400 vols.; Pres. C. F. SANDELIN (author); Vice-Pres. W. CHORELL (author); Sec. MÅRTEN RINGBOM (author).

Suomen Kirjastoseura (*The Library Association of Finland*): Helsinki, Museokatu 18; f. 1910; mems. 2,668; Pres. HEIKKI HOSIA, M.A.; Sec. HILKKA M. KAUPPI, M.A.; publ. *Kirjastolehti* (Bulletin).

Suomen Kulttuurirahasto (*Finnish Culture Foundation*): Bulevardi 5A, Helsinki; f. 1939; promotes cultural life in Finland, grants scholarships of 2,000 to 10,000 Finnish Marks usually for one year for candidates of Finnish nationality; Chair. YRJÖ REENPÄÄ; Pres. L. A. PUNTILA; Gen.-Sec. ERKKI SALONEN; Exec. Sec. MATTI ILMANEN.

Suomen Taideyhdistys (*Fine Arts Society of Finland*): Helsinki, Taidehalli; f. 1846; 7,000 mems.; Pres. AMOS ANDERSON, PH.D.; Sec. BERTEL HINTZE, PH.D.

Suomen Taideakatemia (*Fine Arts Academy of Finland*): Helsinki, Athenæum; f. 1940; Pres. JALO SIHTOLA; Chair. HEIKKI A. REENPÄÄ, M.A.

Suomen Taiteilijaseura-Konstnärsgillet i Finland (*Finnish Artists' Guild*): Helsinki, Taidehalli; f. 1864; mem. socs. consist of the Painters' Union of Finland, the Sculptors' Union of Finland, the Association of Graphic Artists in Finland and the Federation of the Fine Arts Associations in Finland; holds an annual exhibition; Chair. ERKKI KOPONEN; Sec. KAARLO KOROMA.

Suomen Säveltaiteilijain Liitto (*Association of Finnish Musicians*): Helsinki, Apollonkatu 13; f. 1917; 100 mems.; Pres. TAUNO PYLKKÄNEN, M.A.; Sec. PENTTI KOSKIMIES, M.A.; one yearly concert with entirely Finnish programme; publs. orchestral works by Finnish composers and a music magazine.

MEDICINE

Finska Läkaresällskapet (*Medical Society of Finland*): Helsinki, Ständerhuset; f. 1835; 600 mems.; the library contains 30,000 vols.; Pres. C. A. HERNBERG; Sec. ERIK MALM; publ. *Finska Läkaresällskapets Handlingar.*

Suomalainen Lääkäriseura Duodecim (*Duodecim Medical Society of Finland*): Helsinki, Mikonkatu 8 (library: Snellmaninkatu 9-11; f. 1881; Librarian Prof. MARTTI MUSTAKALLIO); 3,300 mems.; the library contains 17,000 vols.; Pres. Prof. GUNNAR SOININEN; Sec. Dr. LAURI AUTIO; publs. *Annales medicinae experimentalis et Biologiae Fenniae, Annales medicinae internae Fenniae, Annales chirurgiae et gynecologiae Fenniae, Annales Pediatriae Fenniae, Medicina Fennica, Duodecim, Terveydenhoitolehti.*

Suomen Hammaslääkäriseura (*Finnish Dental Society*): Helsinki, Bulevardi 30B (library: Snellmaninkatu 9-11);

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f. 1892; Librarian Dr. KAIJA VIROLAINEN; the library contains about 3,800 vols.; Pres. Dr. HANNU S. SIIRILA; Sec. Dr. RITVA TAVAILA; publ. *Suomen Hammaslääkäriseuran Toimituksia* (Proceedings of the Finnish Dental Society).

Tasavallan Presidentti J.K. Paasikiven Rahasto Syöpätautien Tieteellistä Tutkimustyötä Varten (*President J. K. Paasikivi Foundation for Cancer Research*): Liisankatu 21 B 9, Helsinki; f. 1950; grants fellowships to scientists for cancer research and to institutions supported bythe Cancer Society of Finland and the Cancer Foundation; Pres. EDWIN LINKOMIES, PH.D., Chancellor of Helsinki University; Sec. NIILO VOIPIO, Sec.-Gen. of the Cancer Society of Finland.

ORIENTALISM

Suomen Itämainen Seura (*Finnish Oriental Society*): Helsinki, Snellmanink. 9-11; f. 1917; 200 mems.; Pres. A. I. SALONEN; Sec. J. ARO; publ. *Studia Orientalia.*

PEDAGOGY

Kasvatusopillinen Yhdistys (*Pedagogical Society*): Helsinki, Temppelikatu 4; f. 1863; 600 mems.; Pres. MARTTI RUUTU, PH.D.; Sec. PEKKA TENKILÄ, M.A.; publ. *Kasvatusopillinen Aikakauskirja.*

PHILOLOGY

Klassillis-filologinen Yhdistys (*Society for Classical Philology*): Helsinki, Snellmaninkatu 9-11: f. 1882; promotes the study of classical philology and classical antiquity in general; c. 50 mems.; Pres. Prof. EDWIN LINKOMIES; Sec.-Treas. Dr. KARL-ERIK HENRIKSSON; publ. *Arctos, Acta Philologica Fennica, Nova Series,* I (1954), II (1958), III (1962).

Kotikielen Seura (*Society for Finnish Philology*): Helsinki, Hallitusk. 1; f. 1876 as students' association; 120 mems.; Pres. AIMO TURUNEN; Sec. PENTTI SOUTKARI; publ. *Virittäjä* (quarterly).

Suomalais-ugrilainen Seura (*Finno-Ugrian Society*): Helsinki, Snellmaninkatu 9-11; f. 1883; 450 mems.; the library contains 17,000 vols.; Pres. Prof. Dr. PAAVO RAVILA; Sec. Prof. Dr. PENTTI AALTO; publs. *Journal de la Société Finno-Ougrienne, Mémoires de la Société Finno-Ougrienne, Lexica Societatis F.U., Travaux éthnographiques.*

Suomen Englanninkielen Opettajien Yhdistys (*Association of Teachers of English in Finland*): Helsinki, Lauttasaari, Vaskiniementie 3B 6; f. 1938; 720 mems.; Pres. EEVA RIIKONEN; Sec. MARJA WUORENHEIMO.

Uusfilologinen Yhdistys (*Modern Language Society*): Helsinki, Snellmaninkatu 9; f. 1887; Pres. Prof. E. ÖHMANN; Hon. Sec. Mrs. ULLA JOKINEN; Editorial Sec. Prof. TAUNO F. MUSTANOJA; publs. *Mémoires de la Société Néophilologique de Helsinki* (irregular), *Neuphilologische Mitteilungen* (*Bulletin of the Modern Language Society*) four numbers annually.

PHILOSOPHY

Suomen Filosonnen Yhdistys (*Philosophical Society of Finland*): c/o Dr. J. Tenkku, Cygnaeuksenkatu 8D, Helsinki; f. 1873; promotes the study of philosophy and related disciplines in Finland; 130 mems.; Pres. Prof. G. H. VON WRIGHT; Sec. and Treas. Dr. JUSSI TENKKU; publs. *Acta Philosophica Fennica, Ajatus.*

TECHNICAL

Suomen Teknillinen Seura (*Engineering Society in Finland*): Ratakatu 9, Helsinki; f. 1896; serves as a link between engineers and architects, promotes technical sciences and industry, fosters Finnish economic life; mems. 4,760 (incl. 600 junior mems.); Pres. URPO RATIA, DIPL.ENG.; Sec. MATTI KAARIO, DIPL.ENG.; publ. *Teknillinen Aikakauslehti.*

Svenska Tekniska Vetenskapsakademin (*Swedish Academy of Technical Sciences*): Norra Hesperiagatan 7 A, Helsingfors; Sec. Dr. Techn. JACOBUS SUNDMAN.

Tekniikan Edistämissäätio (*Technological Foundation*): Aleksanterinkatu 3D, Helsinki; f. 1949; to provide yearly fellowships for the advancement of technology; Pres. Prof. J. RAHOLA; Sec.-Gen. REINO R. LEHTO; Sec. SAKARI SEESTE.

Teknillisten Tieteiden Akatemia (*Academy of Technical Sciences*): Abrahaminkatu 1-5, Helsinki; Sec. Prof. Dr. J. R. WUOLIJOKI.

Tekniska Föreningen i Finland (*The Engineering Society in Finland*): Georgsgatan 30, Helsinki; f. 1880; 1,700 mems.; Pres. ERIK HEDMAN; Man. Dir. NATHAN RUBINSTEIN; Sec. BJÖRN-OLOF BACKMAN; publ. *Tekniskt Forum.*

THEOLOGY

Suomalainen Teologinen Kirjallisuusseura (*Finnish Society for Theological Literature*): Vuorimiehenkatu 11D, Helsinki; Chair. Prof. L. PINOMAA.

RESEARCH INSTITUTES

AGRICULTURE, FORESTRY

Maatalouden Tutkimuskeskus (*Agricultural Research Centre*): Erottajank. 15-17, Helsinki; f. 1924; Dir. Prof. JOUKO VUORINEN, D.SC.AGRIC.; publs. *Annales Agriculturae Fenniae* (Journal of the Agricultural Research Centre), *Maatalous ja Koetoiminta* (Agriculture and Research Yearbook).

Maatalouden Tutkimuskeskus Kasvinjalostuslaitos (*Agricultural Research Centre, Department of Plant Breeding*): Jokioinen; f. 1924; the library contains 14,000 vols.; special collections of seeds of cultivated plants; Dir. (Vacant); Sen. Res. Officers K. MULTAMÄKI, DR.SC. AGRIC., and ROLF MANNER, M.SC.AGRIC.; Res. Officer OIVA INKILÄ, M.SC.AGRIC.

Maatalouden Tutkimuskeskus, Kasvitautien Tutkimuslaitos (*Agricultural Research Centre, Department of Plant Pathology*): Tikkurila; f. 1911; the library contains 7,000 vols.; Dir. Prof. E. A. JAMALAINEN, D.SC. AGRIC.; Senior Plant Pathologists Miss ANNIKKI LINNASALMI, D.SC. AGRIC., A. YLIMÄKI, M.SC. AGRIC.

Maatalouden Tutkimuskeskus, Kasvinviljelysosasto (*Agricultural Research Centre, Department of Plant Husbandry*): Tikkurila; f. 1898; the library contains 2,500 vols.; Dir. Prof. OTTO VALLE, D.SC. AGRIC.; Chief Asst. JAAKKO MUKULA, DR.AGR.; First Asst. JARL WALLIN, M.SC.; Second Asst. ERKKI VIRNES, M.SC. AGRIC.

Maatalouden Tutkimuskeskus, Kotieläinhoidon Tutkimuslaitos (*Agricultural Research Centre, Department of Animal Husbandry*): Tikkurila; f. 1924; the library contains 2,900 vols.; Acting Dir. ORVO RING, D.SC. AGRIC.; Researchers IRJA UOTILA, D.SC.AGRIC., MARTTI LAMPILA, B.SC.AGRIC., EEVA-LIISA LARPES, M.SC. and TUOMO KIISKINEN, M.SC.

Maatalouden Tutkimuskeskus Kotieläinjalostuslaitos (*Agricultural Research Centre, Department of Animal Breeding*): Tikkurila; f. 1924; the library contains

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1,310 vols.; Dir. Prof. VILJO VAINIKAINEN, D.SC. AGRIC.; Senior Scientist MIKKO VARO, D.SC. AGRIC.

Maatalouden Tutkimuskeskus, Maantutkimuslaitos (*Agricultural Research Centre, Department of Soil Science*): Helsinki, Meritullinkatu 8; f. 1918; the library contains 17,000 vols.; Dir. MIKKO SILLANPÄÄ, DR.AGRIC.; Soil Scientists OSMO MAKITIE, DR.SC., ESKO LAKANEN, M.SC., SYLVI SOINI, LIC. SC. (AGRIC.); publs. *Agrogeologisia karttoja* (Soil Maps), *Agrogeologisia julkaisuja* (Agrogeological Publications).

Maatalouden Tutkimuskeskus, Maanviljelyskemian ja-fysiikan laitos (*Agricultural Research Centre, Department of Agricultural Chemistry and Physics*): Tikkurila; f. 1898; the library contains 2,250 vols.; Dir. Prof. MARTTI SALONEN, D.SC.AGRIC.; Chief Asst. TUOMAS KERÄNEN, D.SC. AGRIC.; Senior Asst. AARNE TAINIO, M.SC. AGRIC.

Maatalouden Tutkimuskeskus, Puutarhaosasto (*Agricultural Research Centre, Department of Horticulture*): Piikkiö; f. 1927; the library contains 1,500 vols.; collection of cytological slides; Dir. Prof. J. SÄKÖ, D.SC. AGRIC and FORESTRY; Assts. ARNE ROUSI, PH.D., KIRSTI SALOKANGAS, M.SC.AGRIC. and FORESTRY, TAPIO K. KALLIO, M.SC.AGRIC. and FORESTRY and LEA KURKI, M.SC. AGRIC. and FORESTRY, M.SC.(M.S.U.).

Maatalouden Tutkimuskeskus, Tuhoeläintutkimuslaitos (*Agricultural Research Centre, Department of Pest Investigation*): Tikkurila; f. 1898; the library contains 14,000 vols.; entomological collections on Coleoptera, Lepidoptera, Hemiptera and Hymenoptera; Dir. Prof. VEIKKO KANERVO, D.SC. AGRIC.; First Assts. NIILO A. VAPPULA, D.SC. AGRIC., and OSMO HEIKINHEIMO, M.SC.; Plant Protection Inspector S. EKHOLM; Inspector of Insecticides and Fungicides MARTTI MARKKULA, D.PH.

Metsäntutkimuslaitos (*Forest Research Institute of Finland*): Helsinki, Unionink. 40A; f. 1918; 150 mems.; the library contains about 9,000 vols.; Pres. Prof. Dr. RISTO SARVAS; Sec. P. W. JOKINEN; publs. *Metsäntutkimuslaitoksen Julkaisuja, Communicationes.*

APPLIED SCIENCE AND TECHNOLOGY

Biochemical Institute: Helsinki, Kalevankatu 56; researches in radiochemistry, biochemistry and biology (*see also* under "Chemistry").

Radiological Institute: Helsinki, Unioninkatu 38; supervision and inspection of radiation protection.

Valtion Teknillinen Tutkimuslaitos (*The State Institute for Technical Research*): Helsinki, Lonnrotink, 37; f. 1942; 510 mems.; the library contains about 48,000 vols.; Dir. Gen. Dr. EDVARD WEGELIUS; publs. *Vuosikertomus* (Annual Report), *Valtion Teknillinen Tutkimuslaitos Julkaisu* (Publications), *Valtion Teknillinen Tutkimuslaitos Tiedotus* (Report Series: Wood, Metal, Building, Chemistry).

The State Institute for Technical Research has the following laboratories:

Wood Technical, Metal Technology, Metallurgy, Electrical Engineering, Radio Engineering, Mineral Engineering, Technical Physics, Precision Mechanics, Building Technology, Concrete Technology, Building Economy, Statics and Bridge Building, Road Research, Roads and Waterways, Soil Mechanics, Fire Technology, Heating Technology, Land Consolidation, Chemico-Technical, Food Research and Technology, Peat and Oil Research, Textile Technology, Leather Investigations, Brewing, Graphic Arts Research and Technical Information Service.

Voimayhdistys Ydin (*Nuclear Power Association*): Helsinki, E. Esplanadikatu 14; an association of major Finnish industrial companies; studies on peaceful application of atomic energy, training and research in nuclear engineering.

GEODESY

Geodeettinen Laitos (*Geodetic Institute*): Helsinki Bulevardi 40; f. 1918; 12 mems.; the library contains 6,000 vols.; Dir. (Vacant); Principal Geodesists Prof. Dr. TAUNO HONKASALO, Prof. Dr. V. R. OLANDER, Prof. Dr. PENTTI KALAJA, Prof. Dr. T. J. KUKKAMÄKI; publs. *Suomen Geodeettisen laitoksen julkaisuja, Veröffentlichungen des Finnischen Geodätischen Institutes* (in English or German).

GEOLOGY

Geologinen Tutkimuslaitos (*Geological Survey of Finland*): Helsinki, Otaniemi; f. 1885; 195 mems.; the library contains about 30,000 vols. and 14,000 pamphlets; Dir. VLADI MARMO; Chief of Depts.: ESA HYYPPÄ, AHTI SIMONEN, AARNO KAHMA, E. T. SAVOLAINEN, M. PURANEN; Bureau Chief: JORMA TULOISELA; publs. *Vuosikertomus* (Annual Report), *Bulletin de la Commission géologique de Finlande, Geoteknillisiä julkaisuja, Geological Maps.*

METEOROLOGY

Ilmatieteellinen Keskuslaitos (*Finnish Meteorological Office*): Helsinki, Vuorikatu 24, Box 503; f. 1838; 167 mems.; the library contains about 20,000 vols.; Dir. Prof. Dr. MATTI FRANSSILA; publs. *Year-Books*, commencing 1844 to date, *Kuukäusikatsaus Suomen Sääoloihin* (Monthly Weather Bulletin), *Toimituksia* (Scientific Reports), *Maamagneettisia tutkimuksia* (Studies of Earth Magnetism).

SOCIAL SCIENCE

Yhteiskunnallisen Korkeakoulun Tutkimuslaitos (*Research Institute of the School of Social Sciences*): Kalevantie 4, Tampere; f. 1945; Dir. Ph.D. YRJO LITTUNEN, Research Assocs. Dr. FAINA JYRKILÄ, Dr. ANTTI ESKOLA and Messrs. OSSI HEDMAN and PERTTI TOUKOMAA.

STATISTICS

Tilastollinen Päätoimisto (*Central Statistical Office of Finland*): Helsinki, Annankatu 44; f. 1865; the library contains 67,000 vols.; Dir. Prof. VALTER LINDBERG; Librarian I. KAUKOVAARA; chief publs. *Suomen Tilastollinen Vuosikirja* (Statistical Year-Book of Finland), *Tilastokatsauksia* (Monthly Bulletin).

LIBRARIES

Åbo Akademis Bibliotek (*Library of Åbo Academy*): Åbo, Domkyrkogatan 2-4; 450,000 vols.; Librarian C. R. GARDBERG, PH.D.

Eduskunnan Kirjasto (*Library of Parliament*): Helsinki; f. 1872; 300,000 vols. on administration, law, political and social sciences; Chief Librarian HENRIK SCHAUMAN; the library is open to the public; publs. *Eduskunnan kirjaston julkaisuja* (Library of the Parliament Publications 1-3), *Valtion virallisjulkaisut* (Government publications in Finland 1961-).

Helsingin Yliopiston Kirjasto (*Helsinki University Library*): Helsinki, Unioninkatu 36; f. 1640 in Turku (Åbo), removed to Helsinki 1828; general library of the State

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University and national library of Finland; comprehensive collection of books printed in Finland, also foreign collection, including Slavonic books; approx. 850,000 vols., 250,000 academic theses, about 2,000 MSS., and 200 incunabula; Chief Librarian JORMA V. VALLINKOSKI, PH.D.; publs. *Helsingin Yliopiston kirjaston Julkaisuja, Helsingfors Universitetsbiblioteks Skrifter*, 1-30, *Suomen Kirjallisuus, Finlands litteratur, The Finnish National Bibliography 1944-*.

Helsingin Yliopiston Oikeustieteellisen Tiedekunnan Kirjasto (*The Law Library of the University of Helsinki*): Helsinki, Porthania, Hallituskatu 11-13; f. 1910; 30,000 vols.; Librarian KAUKO SIPPONEN; the library is open to university teachers and students.

Helsingin Yliopiston Maatalouskirjasto (*Library of Agriculture of the University of Helsinki*): Helsinki, Hallituskatu 3A; f. 1930; combined with the library of the Scientific Agricultrual Society of Finland; 90,000 vols.; Librarian MAJLIS F. E. TULANDER; the library is open to the public.

Helsingin Yliopiston Valtiotieteellisen Tiedekunnan Kirjasto (*The Social Science Library, University of Helsinki*); Helsinki, Porthania, Hallituskatu 11-13; f. 1950: 14,500 vols.; Librarian PAAVO LAMMINEN, PHIL.MAG.; the library is open to University teachers and students.

Helsingin Yliopiston Ylioppilaskunnan Kirjasto (*The Library of the Student Union of the University of Helsinki*): Leppäsuonkatu 9; f. 1868; 190,000 vols.; Chief Librarian KAARLO LAUSTI, M.A.

Institutum Historico-Philologicum Universitatis Helsingiensis: Helsinki, Porthania, Hallituskatu 11-13; f. 1904; 50,000 vols.; Librarian AINO HENTINEN; the library is open to the University teachers and students.

Jyväskylä Kasvatusopillisen Korkeakoulun Kirjasto (*University Library*): Jyväskylä; f. 1921; 350,000 vols.; Librarian PEKKA RAITTILA.

Kauppakorkeakoulun Kirjasto (*Library of the Helsinki School of Economics*): Helsinki, Runeberginkatu 14-16; 50,000 vols.; Librarian LEMPI NURKKALA, M.A.(POL.SC.).

Maatalouden Tutkimuskeskuksen Keskuskirjasto (*The Central Library of the Agricultural Research Centre*): Tikkurila; f. 1935; 19,400 vols.; Librarian S. NUORVALA.

Oulun Yliopiston Kirjasto (*Oulu University Library*): Kauppurienkatu 9, Oulu; f. 1959; 21,000 vols., 420 periodicals. Special collections: theses, textbooks, rare books, duplicates, manuscripts, pamphlets, literature concerning Finland's attaining independence and the civil war, a collection of literature in Russian; Librarian R. MURHU, M.A.

Sibelius-Akatemian Kirjasto (*Sibelius Academy Library*): Pohj. Rautatiek. 9, Helsinki; f. 1885; 30,000 vols. of music, 33,600 vols. of music, literature and gramophone records; Keeper of the Music Miss HELVI LEIVISKÄ; Keeper of the Books and Records T. TEERISUO.

Suomalaisen Kirjallisuuden Seuran Kirjasto (*Library of the Finnish Literature Society*): Helsinki, Hallituskatu 1; f. 1831; 140,000 vols.; about 10,000 MSS.; folklore archives of 1,400,000 items; Librarian RAUNI PURANEN, M.A.

Svenska Handelshögskolans Bibliotek (*Library of the Swedish School of Economics*): Helsinki, Arkadiagatan 22; 35,000 vols.; Librarian GUNVOR KERKKONEN, PH.D.

Tampereen Tieteellinen Kirjasto (*Tampere Scientific Library*): Kirkkokatu 8, Tampere; f. 1956; 20,000 vols., 700 periodicals. Special subjects: technology, medicine and natural sciences; Librarian M. LIINAMAA, M.A.

Teknillisen Korkeakoulun Kirjasto (*Library of the Finland Institute of Technology*): Helsinki; 130,000 vols.; Librarian Mrs. MARJATTA MYRBERG, M.A.

Tieteellisten Seurain Kirjasto (*Library of Scientific Societies*): Helsinki, Snellmaninkatu 9-11; f. 1899; approx. 300,000 vols.; includes libraries of different societies of natural sciences, medicine and humanities; international exchange service for learned societies; Chief Librarian NILS BERNDTSON.

Tilastollisen Päätoimiston Kirjasto (*Library of the Central Statistical Office of Finland*): Annank. 44 (5th floor), Helsinki; f. 1867; 70,000 vols., over 300 periodicals; Librarian I. KAUKOVAARA.

Turun Yliopiston Kirjasto (*Turku University Library*) f. 1922; 550,000 vols., 150,000 pamphlets, 1,000 MSS.; Chief Librarian EERO K. NEUVONEN, PH.D.; publ. *Turun Yliopiston kirjaston julkaisuja.*

Valtionarkisto (*National Archives*): Helsinki, Rauhankatu 17; f. 1869; 34,000 vols. in library; Dir. YRJÖ NURMIO; central office for public archives; controls five provincial archives at Turku, Hämeenlinna, Mikkeli, Vaasa and Oulu; holds archives of the Central Administration, archives of courts, military documents and papers of famous statesmen and politicians. The provincial archives contain documents relating to Regional and Local Administration. Publs. series of historical publications and catalogues.

Yhteiskunnallisen Korkeakoulun Kirjasto (*Library of the School of Social Sciences*): Tampere, Kalevantie 4; f. 1925 in Helsinki; 80,000 vols. on administration, political and social sciences, journalism, history, the Finnish language, literary history, education, economics, law and psychology; Chief Librarian ARVO SEPPÄLÄ, M.A.

MUSEUMS

Ålands Museum: Mariehamn, Ålands Islands; f. 1933; 13,925 exhibits; conducts archaeological excavations and ethnological field examinations on Åland Islands; library of 4,000 vols.; Manager MATTS DREIJER; publ. *Ålandsk Odling* (annual).

Åands Sjofartsmuseum: Mariehamn; 2,850 exhibits; contains logbooks, ships documents, etc.; Pres. WALDEMAR HOGLUND; Dir. GUNNAR BOMAN.

Kansallismuseo (*National Museum*): Helsinki; in 1893 the Historical-Ethnographical Museum of the Helsinki University, the Collections of the Finnish Archæological Society and the Ethnographical Museum of the Finnish Undergraduates' Corporation were united under the name of the State Historical Museum, later the National Museum. The foundation-stone of the National Museum was laid in 1906, and in 1916 the first departments were opened to the public. The Museum comprises a Prehistoric Department with Finnish and Comparative Collections, a Finnish Historical Department combined with a Collection of Coins and Medals, and an Ethnographical Department with Finnish, Finno-Ugrian and Comparative Ethnographical Collections. The Open-Air Museum at Seurasaari (Fölisön) and the museums at Suomenlinna (Sveaborg) are branches of the National Museum. The library, including that of the Finnish Archæological Society, contains approx. 55,000 vols. Dir. NILS CLEVE, PH.D.

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Pohjois-Pohjanmaan Museo: Oulu, Suomi; f. 1896; 15,000 exhibits; specialises in historical-ethnological research on Lapland; Pres. of Museum Society TAUNO KOKKO; Manager and Supt. AHTI PAULAHARJU.

Satakunnan Museo: Pori; f. 1888; 25,000 archaeological and historical exhibits relating to the history of the province of Satakunta; Dir. UNTO SALO.

Sibeliusmuseum vid Åbo Akademi (*Sibelius Museum at Åbo Akademi*): Biskopsgatan 15, Åbo; f. 1926; contains archives and pictures relating to Sibelius and a collection of Finnish musical instruments; Curator Prof. JOHN ROSAS; publs. *Kallskrifter och studier utg. av Musikvetenskapliga seminariet vid Abo Akademi. Åbo I-III.*

Turun Taidemuseo (*Turko Art Museum*): Turku; collection of modern paintings and sculpture, prints and drawings, mainly of Finnish and Scandinavian art; Pres. Prof. EINO KROHN; Vice-Pres. Prof. C. E. SONCK; Dir. ERIK BERGH.

Turun Kaupungin Historiallinen Museo (*Historical Museum of Turku*): Turku, Turunlinna; f. 1881; collections of furniture, arms, textiles, porcelain, etc.; occupying about 70 rooms in the old castle of Turku; Dir. C. J. GARDBERG; publs. *Turun kaupungin historiallisen museon Vuosijulkaisu, Åbo stads historiska museums Årsskrift*, etc.

The Open-Air Museum at Luostarinmäki (Klosterbacken) and the old burgher-house are subsidiaries of the Historical Museum.

UNIVERSITIES AND COLLEGES

ÅBO AKADEMI
(The Swedish University of Åbo)

ÅBO, DOMKYRKOTORGET

Telephone: 17383

Founded 1917.

Chancellor: H. E. PIPPING, PH.D.
Rector: K. O. NIKULA, PH.D.
Vice-Rector: G. J. AF HÄLLSTRÖM, PH.D.
Treasurer: T.-E. LASSENIUS, BAR.-AT-LAW.
Secretary: C.-E. SUNDMAN, M.A.

Number of teachers: 117, including 38 professors.
Number of students: 648 men, 456 women, total 1,104.
Publications: *Årsskrift* (Annual Review), *Acta Academiae Aboensis.*

DEANS:

Faculty of Humanities: Prof. N. E. ENKVIST, M.A., PH.D.
Faculty of Mathematics and Natural Science: Prof. K. G. FOGEL, PH.D.
Faculty of Political Science: Prof. K. G. PIPPING, PH.D.
Faculty of Chemical Technology: Prof. A. J. RINGBOM, TECHN.D.
Faculty of Theology: Prof. H. J. NYMAN, D.D.

PROFESSORS:

Faculty of Humanities:
EKELUND, E. R. S. (History of Literature).
ENKVIST, N. E. (English Language and Literature).
HUMMELSTEDT, A. E. (Swedish Language and Scandinavian Philology).
NIKULA, K. O. (Scandinavian History).
RINGBOM, L. I. E. (History of Art).
RINGGREN, K. V. H. (History of Religion).
ROSAS, J. A. (Musicology and Folk Music).
TEGENGREN, H. (Scandinavian Cultural History and Ethnology).
WESTMAN, R. R. O. R. (Greek and Roman Literature).
WOLF, W. (Germanic Philology).

Faculty of Mathematical and Natural Sciences:
AF HÄLLSTRÖM, G. J. (Mathematics).
ASPELUND, H. A. O. (Pharmacology).
FOGEL, K. G. (Physics).
HOLMBERG, G. A. (Organic Chemistry).
METZGER, A. A. TH. J. (General and Applied Geology).
QVIST, K. B. M. (Applied Mathematics).

Faculty of Political Science:
KNOELLINGER, F. C. E. (Economics).
LINDMAN, S. O. G. (Political Science).
PIPPING, K. G. (Sociology with Statistics).
TAXELL, L. E. (Civil Law).

Faculty of Chemical Technology:
BRUUN, H. H. (Wood Chemistry).
HUMMELSTEDT, L. I. (Chemical Technology).
RINGBOM, A. J. (Analytical and Inorganic Chemistry).
SALIN, J. P. (Chemical Engineering).

Faculty of Theology:
GYLLENBERG, R. G. (New Testament Exegesis).
NYGREN, G. A. T. S. (Systematic Theology).
NYMAN, H. (Practical Theology).
(10 Vacant Chairs).

HELSINGIN YLIOPISTO-HELSINGFORS UNIVERSITET
(University of Helsinki)

HELSINKI

Telephone: 15 211.

Telegraph: Helsingin Yliopisto.

Founded 1640 Turku (Åbo), 1828 Helsinki.

Chancellor: EDWIN J. H. LINKOMIES.
Rector: ERKKI O. KIVINEN.
Vice-Rectors: HEIKKI T. WARIS, P. PALMGREN.
Secretary: M. HEIKKI RAURAMO, M.L.
Bursar: EINO K. KASKIMIES.
Registrar: A. KATRI M. SOLA, M.A.

Number of teachers: 1,089, including 184 ordinary and extraordinary professors.
Number of students: 16,899 (1962–63).

DEANS:

Faculty of Theology: Prof. AIMO T. NIKOLAINEN.
Faculty of Law: Prof. G. H. ILMARI MELANDER.
Faculty of Medicine: Prof. HARALD TEIR.
Faculty of Philosophy:
Section of the Humanities: Prof. LAURI A. POSTI.
Section of Mathematics and Natural Sciences: Prof. ERNST PH. PALMÉN.
Faculty of Political Science: Prof. LAURI A. PUNTILA.
Faculty of Agriculture and Forestry: Prof. ANTTI V. MÄKI.

PROFESSORS:

Faculty of Theology:
HAIKOLA, LAURI R. (Theological Ethics and Religious Philosophy).
JUVA, MIKKO E. (Finnish and Scandinavian Church History).
KANSANAHO, ERKKI K. (Practical Theology).
LAUHA, L. AARRE S. (Old Testament Exegesis).

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NIKOLAINEN, AIMO T. (New Testament Exegesis).
PIRINEN, KAUKO A. (Church History).
TIILILÄ, OSMO A. (Dogmatics).

Faculty of Law:

ANTTILA, SYLVI INKERI (Criminal Law).
CASTRÉN, ERIK J. S. (International Law and Constitutional Law).
ELLILÄ, REINO K. (Criminal Law).
ELLILÄ, TAUNO K. (Judicial Procedure).
GODENHIELM, BERNDT A. F. L. (Private and Commercial Law).
KASTARI, PAAVO K. (Constitutional Law and International Law).
MELANDER, G. H. ILMARI (Land Partition, Land Reform and Water Law).
MERIKOSKI, VELI K. (Administrative Law).
PALMGREN, BO G. (Criminal Law and Judicial Procedure).
TIRKKONEN, TAUNO J. U. (Judicial Procedure).
YLÖSTALO, MATTI V. (Private Law).
ZITTING, SIMO J. (Private Law).
(Vacant—Legal History and Roman Law, Commercial Law, Labour Law, Finance Law, Public, Jurisprudence and International Private Law).

Faculty of Medicine:

VON BONSDORFF, BERTEL M. (Internal Medicine).
ERÄNKÖ, E. OLAVI (Anatomy).
HALLMAN, NIILO O. B. (Pediatrics).
HALONEN, PENTTI I. (Internal Medicine).
HJELMMAN, GÖRAN (Anatomy).
INBERG, H. RAINER (Surgery).
KAILA, MARTTI E. (Psychiatry).
KALLIO, KALLE E. (Surgery).
MUSTAKALLIO, SAKARI (Medical Radiology).
NEVAKARI, KUNO M., (Dental Prosthetics).
NIKKILA,ESKO A. (Internal Medicine).
OKER-BLOM, NILS C. E. (Virus Research).
PÄTIÄLÄ, JORMA S. (Tuberculosis).
PERÄSALO, OLAVI V. (Surgery).
POHTO, MAURI R. (Operative Dentistry and Endodontics).
PUTKONEN, TAUNO I. (Skin and Venereal Diseases).
RÄIHÄ, CARL-ERIC E. (Pediatrics).
RENKONEN, K. OLOF (Bacteriology and Serology).
SAXEN, A. ERKKI (Pathological Anatomy).
SETÄLÄ, KAI M. E. (Pathological Anatomy).
SIIRALA, U. URPO T. (Oto-Rhino-Laryngology).
TEIR, HARALD G. (Pathological Anatomy).
TURUNEN, AARNO O. I. (Obstetrics and Gynæcology).
UOTILA, UNTO U. (Forensic Medicine).
VANNAS, SALME FR. (Ophthalmology).
VARA, PAAVO G. (Obstetrics and Gynæcology).
VARTIAINEN, ARMAS V. (Pharmacology).
VARTIAINEN, ILMARI A. (Internal Medicine).
VIRTANEN, INGMAR A. J. (Dental Surgery).
(Vacant—Medical Chemistry, Neurology, Physiology, X-Ray Diagnostics, Hygiene, Surgery).

Faculty of Philosophy:

I. Section of the Humanities

ENCKELL, OLOF W. T. (Swedish Literature).
VON FIEANDT, KAI V. J. (Psychology).
ITKONEN, ERKKI E. (Finno-Ugrian Linguistics).
JUTIKKALA, EINO K. I. (Finnish History).
KETONEN, OIVA T. (Theoretical Philosophy).
KIPARSKY, VALENTIN (Slavonic Philology).
KIVIKOSKI, ELLA M. (Finnish and Scandinavian Archæology).
KOSKENNIEMI, MATTI (Pedagogics and Didactics).
KUUSI, MATTI A. (Finnish and Comparative Folklore).
LINKOMIES, EDWIN J. H. (Latin Literature).
MUSTANOJA, TAUNO FR. (English Philology).
PETTERSSON, LARS K. J. (History of Art).
POSTI, LAURI A. (Baltic-Finnish Languages).
RENVALL, PENTTI U. N. (Finnish and Scandinavian History).
REUTER, OLE R. (English Philology).
SAARISALO, A. AAPELI (Oriental Literature).
SOVIJÄRVI, A. ANTTI I. (Phonetics).
STENIUS, ERIK (Philosophy).
SUOLAHTI, JAAKKO W. (History).
TAWASTSTJERNA, ERIK W. (Theory of Music).
THORS, CARL-ERIC (Scandinavian Philology).
VÄÄNÄNEN, VEIKKO I. (Romance Philology).
VALONEN, NIILO E. T. (Finno-Ugrian Ethnology).
VILJANEN, LAURI S. (Finnish Literature).
VIRTARANTA, E. PERTTI I. (Finnish Language).
ZILLIACUS, J. HENRIK (Greek Literature).
ÖHMANN, EMIL (German Philology).
(Vacant—Russian Language and Literature, Aesthetics and Modern Literature, Pedagogics and Didactics, History.)

II. Section of Mathematics and Natural Sciences

AARIO, LEO E. (Geography).
ELFVING, E. GUSTAV (Mathematics).
ENKVIST, TERJE U. E. (Chemistry).
ERKAMA, JORMA (Chemistry).
FONTELL, NILS D. (Physics).
HIRSJÄRVI, H. PEKKA (Chemistry).
JÄRNEFELT, GUSTAF J. (Astronomy).
KALELA, A. AARNO A. (Botany).
LAURIKAINEN, KALERVO V. (Nuclear Physics).
LEHTO, E. OLLI (Mathematics).
LEIKOLA, ERKKI E. (Pharmaceutical Chemistry).
LUTHER, HANS E. (Botany).
MYRBERG, LAURI J. (Mathematics).
NÄSÄNEN, REINO O. (Chemistry).
OKKO, VEIKKO O. T. (Geography).
PALMÉN, ERNST PH. (Zoology).
PALMGREN, PONTUS (Zoology).
SAKSELA, MARTTI O. (Geology and Mineralogy).
SCHANTZ, MAX F. E. VON (Pharmaconosy).
SIMONS, J. LENNART (Physics).
SMEDS, HELMER (Geography).
SUOMALAINEN, PAAVO (Zoology).
TAHVONEN, PAAVO E. (Applied Physics).
TOMMILA, EERO A. (Chemistry).
VUORELA, LAURI A. (Meteorology).
WARTIOVAARA, VEIJO K. (Botany).
(Vacant—Applied Mathematics, Geology and Palæontology, Radiochemistry).

Faculty of Political Science:

ALLARDT, ERIK A. (Sociology).
AF HEURLIN, LAURI O. (Economics).
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JANSSON, JAN-MAGNUS (Political Science).
LEPPO, MATTI N. R. (Economics and Finance).
PÖYHÖNEN, PENTTI K. (Economics).
PUNTILA, LAURI A. (Political History).
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WARIS, HEIKKI T. (Social Politics).
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Faculty of Agriculture and Forestry:

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HOLOPAINEN, VILJO E. (Marketing of Forest Products).
KANGAS, M. ESKO (Agricultural and Forest Zoology).
KELTIKANGAS, VALTER (Business Administration of Forestry).
KIVINEN, ERKKI O. (Agricultural Chemistry and Physics).
MÄKI, ANTTI V. (Agricultural Economy).
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PALOHEIMO, LAURI I. (Science of Domestic Animals).
PIHKALA, K. UOLEVI (Agricultural Politics).
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ROINE, PAAVO K. (Nutritional Chemistry).
VARTIOVAARA, UNTO J. (Microbiology).
WEGELIUS, THEODOR H. A. (Forest Technology).
WESTERMARCK, NILS C. (Agricultural Economy).
YLI-VAKKURI, PAAVO O. (Forestry).
(Vacant—Dairying, Forest Economics, Limnology).

OULUN YLIOPISTO
(Oulu University)
KIRKKOKATU 3, OULU
Telephone: 16 801
Telegraph: Yliopisto Oulu
Founded 1959

Rector: NIILO NIKOLAI SÖYRINKI, PH.D.

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Vice-Rector: Kyösti Ragnar Angervo, dr.tech.
Secretary: Esko Koura, m.a. (acting).
Librarian: Rae A. A. Murhu, m.a. (acting).

Number of teachers: 183.
Number of students: 1,144.

Deans:

Faculty of Philosophy: Prof. Jouko Koskikallio, ph.d.
Faculty of Technology: Prof. Olli Pöyry, arch.
Faculty of Medicine: Prof. Klaus Järvinen, m.d.
Teachers' Training College: Prof. Aatto Kaljunen, ph.d.

Professors:

Faculty of Philosophy:
Koskikallio, J., ph.d. (Chemistry).
Siivonen, L., ph.d. (Zoology).
Söyrinki, N., ph.d. (Botany).
Tuomikoski, P., lic.phil. (Physics).
Varjo, U., ph.d. (Geography).
(Vacant—Theoretical Physics, Organic Chemistry, Economics, Geology and Mineralogy, Mathematics).

Faculty of Technology:
Angervo, K., dr.tech. (Statics and Bridge-Building).
Järventass, E., arch. (Architecture).
Koiso-Kanttila, E., arch. (Architecture).
Putkonen, O. A., dr.tech. (House Building).
Pöyry, O., arch. (Architecture).
Runolinna, U., dr.tech. (Mechanical Process Technique).
Suoninen, E., dr.tech. (Technical Physics).
Taivainen, O. A., lic.tech. (Road Construction).
Wäre, M., dr.tech. (Hydraulic Construction).
(Vacant—Town Planning, Foundations and Soil Mechanics, Heat Engineering and Machinery, Mechanics and Strength of Materials, Chemical Process Technique).

Faculty of Medicine:
(Vacant—Pharmacology, Surgery, Pathological Anatomy, Roentgenology, Internal Medicine, Microbiology, Oto-Rhino-Laryngology, Ophthalmology, Obstetrics and Gynæcology, Dermatology).

TURUN YLIOPISTO
(Turku University)

TURKU

Telephone: 21080

Founded 1920.

Chancellor: Toivo Edvard Olin, m.d.
Rector: Tauno Kalervo Nurmela, ph.d.
Vice-Rector: Martti Heikki, Kantola ph.d.
Secretary and Registrar: Lauri Olavi Rytkönen, m.a.
Economic Director: Onni Olavi Markula, b.com.

Number of teachers: 385, including 70 professors.
Number of students: 1,924 men, 2,427 women, total 4,351.

Publication: *Annales Universitatis Turkuensis.*

Deans:

Faculty of Mathematics and Natural Sciences: Prof. Tarvo Anopoika Oksala, ph.d.
Faculty of Humanities: Prof. Teodor Vilhelm Niitemaa, ph.d.
Faculty of Medicine: Prof. Otto Henrik Meurman, m.d.
Faculty of Law: Prof. Pertti Juhani Muukkonen, d.l.

Professors:

Faculty of Mathematics and Natural Sciences:
Granö, Olavi Johannes, ph.d. (Geography).
Hellman, Olavi Bertel, d.tech. (Mathematics).
Hovi, Väinö Toivo, ph.d. (Physics).
Inkeri, Kustaa Adolf, ph.d. (Mathematics).
Kantola, Martti Heikki, ph.d. (Physics).
Leimu, Reino Sulo, ph.d. (Organic Chemistry).
Meretoja, Atte Kalevi, ph.d. (Inorganic and Analytical Chemistry).
Neuvonen, Kaarlo Juhana, ph.d. (Geology and Mineralogy).
Nurmikko, Veikko Toivo, ph.d. (Biochemistry).
Oksala, Tarvo Anopoika, ph.d. (Genetics).
Salomaa, Pentti Antero, ph.d. (Physical Chemistry).
Tuominen, Oiva Juhani, ph.d. (Geography).
Vaarama, Otto Antero, ph.d. (Botany).
Voipio, Paavo Taneli, ph.d. (Zoology).
(Vacant—Astronomy, Theoretical Physics, Botany, Zoology).

Faculty of the Humanities:
Biese, Yrjö Moses Jalmari, ph.d. (English Language).
Ikola, Osmo Kalervo, ph.d (Finnish).
Kohtamaki, Ilmari, ph.d., (Finnish Literature).
Krohn, Eino Leopold, ph.d. (General Literature).
Krohn, Sven Ilmari, ph.d. (Philosophy).
Lento, Reino Eero Ahti, d.pol.sc. (Political Economy).
Littunen, Yrjo Ensio Matti, ph.d. (Sociology).
Naert, Pierre, ph.d. (Nordic Philology).
Niitemaa, Teodor Vilhelm, ph.d. (History).
Nurmela, Tauno Kalervo, ph.d. (Romance Languages).
Talve, Ilmar, ph.d. (Finnish and Comparative Ethnology).
Tilvis, Pentti Lieto Hillevi, ph.d. (German).
Vikainen, Vuokko Inkeri, ph.d. (Education).
Von Wright, Johan Magnus, ph.d. (Psychology).
(Vacant—Classical Philology, Finnish History, Finnish-Ugric Philology, Political Science).

Faculty of Medicine:
Brummer, Pekka Aleksander, m.d. (Internal Medicine).
Ekholm, Antti Kaarle, d.m.d. (Dental Surgery).
Erkkila, Sven Artur, m.d. (Hygiene and Social Medicine).
Halonen, Pekka Eljas, m.d. (Virology).
Hartiala, Kaarlo Jakob Waldemar, m.d. (Physiology).
Järvi, Osmo Henrik, m.d. (Pathological Anatomy).
Koivumaa, Kaarlo Kalervo, d.m.d. (Dental Prosthetics).
Koski, Pentti Kalevi, d.m.d. (Pediatric Extractions and Orthodontics).
Kulonen, Eino Ilmari, m.d. (Medical Biochemistry).
Meurman, Otto Henrik, m.d. (Oto-Rhino-Laryngology).
Mustakallio, Eero, m.d. (Medical Microbiology).
Näätänen, Esko Kalervo, m.d. (Anatomy).
Oksala, Arvo Alfred, m.d. (Ophthalmology).
Pekkarinen, Aimo Ilmari, m.d. (Pharmacology).
Saarnio, Lauri, m.d. (Neurology and Psychiatry).
Salmi, Toivo, m.d. (Pediatrics).
Scheinin, Arje Nahum, d.m.d. (Operative Dentistry).
Sonck, Carl-Erik, m.d. (Dermatology and Venereal Diseases).
Viikari, Sauli Johannes, m.d. (Surgery).
Virtama, Pekka Eero Juhani, m.d. (Roentgenology).
(Vacant—Obstetrics and Gynæcology, Dental Radiology and Forensic Medicine).

Faculty of Law:
Broms, Bengt Henry G.A., d.l. (Constitutional and International Law).
Brusiin, Karl Otto, d.l. (Science of Law).
Muukkonen, Pertti Juhani, d.l. (Civil Law).
Salovaara, Niilo Kullervo, d.l. (Criminal Law).
(Vacant—Civil Law, Administrative and Finance Law).

JYVÄSKYLÄN KASVATUSOPILLINEN KORKEAKOULU
(University of Jyväskylä)

JYVÄSKYLÄ

Telephone: 14920

Founded 1934

Rector: Martti I. Takala.
Vice-Rector: Niilo J. Mäki.
Secretary: Pentti Sillantaus.

Number of teachers: 120, including 13 professors.
Number of students: 1,900 (including about 300 to be admitted in August).

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Publications: *Acta Academiae Paedagogicae Jyväskyläensis*, since 1962 published in two parts: "*Studia Historica Jyväskyläensia*" and "*Jyväskylä Studies in Education, Psychology and Social Research*"; *Kasvatus ja Koulu* (periodical).

DEANS:

Faculty of Philosophy: Prof. MAUNO JOKIPII (School of History and Philology), Prof. NIILO J. MÄKI (School of Pedagogics).
Teachers' Training College: Prof. MARTTI H. HAAVIO.

HANDELSHÖGSKOLAN VID ÅBO AKADEMI
(School of Economics at the Åbo Academy)

ÅBO, HENRIKSGATAN 9

Telephone: 14582

Founded 1927.

Rector: Prof. AXEL GRANDELL.
Secretary: INGA FORSSELL.

Number of teachers: 28, including 5 professors.
Number of students: 166 men, 78 women, total 244.
Publications: *Skriftserie, Årsberättelse* (Annual Review).

PROFESSORS:

BJORKQVIST, H., D.POL.SC. (Economics).
GRANDELL, A., ECON.D. (Business Administration and Accountancy).

Professors holding office *pro tempore:*

AF HÄLLSTRÖM, G., FIL.D. (Mathematics).
JENSEN, O. H., L.N.H.H. (Marketing).
TAXELL, L. E., JURIS.D. (Commercial Law).

KAUPPAKORKEAKOULU
(Helsinki School of Economics)

HELSINKI, RUNEBERGINKATU 14-16

Telephone: 440211

Founded 1911.

Chancellor: BRUNO SUVIRANTA, PH.D.
Rector: HENRIK VIRKKUNEN, ECON.D.
Vice-Rector: PEKKA HEINÄNEN, D.SC.
Secretary: OLLI TARPILA, B.L.

Number of teachers: 63, including 12 professors.
Number of students: 960 men, 680 women, total 1,400.

PROFESSORS:

HEINÄNEN, PEKKA, D.SC. (Chemistry and Technology).
HONKO, JAAKKO, ECON.D. (Business Administration, Management, Accoontancy).
KASKIMIES, MIKA, ECON.D. (Marketing).
MATTILA, SAKARI, PH.D. (Mathematics and Statistics).
RANINEN, HUUGO, LL.D. (Business Administration and Management).
SAARIO, MARTTI, ECON.D. (Business Administration and Accountancy).
TAMMINEN, MIKKO, PH.D. (Economics).
TELARANTA, KAARLO, LL.D. (Commercial Law).
VIRKKUNEN, HENRIK, ECON.D. (Business Administration, Accountancy).
(Vacant—Economics, and Economic Geography).

SVENSKA HANDELSHÖGSKOLAN
(Swedish School of Economics)

HELSINKI, ARKADIAGATAN 22

Telephone: 440291

Founded 1909.

President: K. FR. NYMAN.
Rector: Prof. CURT OLSSON.
Secretary: GÖRAN WESTERLUND.

Number of teachers: 51, including 8 professors.
Number of students: 440 men, 440 women, total 880.
Publications: *Svenska Handelshögskolan, Årsberättelse* (Annual Bulletin), *Reports, Ekonomi och sam hälle, Skrifter utgivna av Svenska Handelshögskolan, Helsingfors, Studiehandbok.*

PROFESSORS:

FOUGSTEDT, GUNNAR (Statistics).
HUSTICH, ILMARI (Economic Geography).
KRUSIUS-AHRENBERG, LOLO (History and Political Science).
MEINANDER, NILS (Economics).
MICKWITZ, GÖSTA (Economics).
OLSSON, CURT (Commercial Law).
WAHLBECK, LARS (Business Administration).

YHTEISKUNNALLINEN KORKEAKOULU
(School of Social Sciences)

TAMPERE, KALEVANTIE 4

Founded 1925.

Chancellor: Prof. EINO SAARI, PH.D.
Rector: Prof. PAAVO KOLI, PH.D.
Vice-Rector: Prof. URPO HARVA, PH.D.
Secretary: AINO LINKOVAARA, M.A.
Librarian: ARVO SEPPÄLÄ, M.A.

Number of teachers: 36, including 11 professors and 2 assoc. professors.
Number of students: 656 men, 902 women, total 1,558.
Publication: *Yhteiskunta* (Year Book).

PROFESSORS;

ALANEN, AULIS, PH.D. (History).
HARVA, URPO, PH.D. (Adult Education).
KIISKINEN, AUVO, PH.D. (Economics).
KOLI, PAAVO, PH.D. (Sociology).
KYYRO, KAUKO, PH.D. (History of Literature).
NIEMINEN, ARMAS, PH.D. (SOC.SC.). (Social Policy).
RAINIO, KULLERVO, PH.D. (Psychology).
RYTKOLA, VEIKKO, LL.D. (Municipal Policy).
TARKIANEN, TUTTU, PH.D. (Political Science) (Dean).
(Vacant—Journalism, Finnish Language and associate professorships in Statistics and Municipal Economics).

TEKNILLINEN KORKEAKOULU
(Institute of Technology)

HELSINKI

Telephone: 30771

Founded 1908.

Rector: Prof. JAAKKO RAHOLA, D.SC.
Vice-Rector: VILJO KUUSKOSKI, D.SC.
Secretary: MARTTI LIESTO.

Number of teachers: 290, including 65 professors.
Number of students: 2,941 men, 205 women, total 3,146.

DEANS:

Department of Technical Physics: Prof. P. JAUHO.
Department of Building Engineering: Prof. K. SAVOLAINEN.
Department of Mechanical Engineering: Prof. T. R. VERKKOLA.
Department of Electrical Engineering: Prof. E. VOIPIO.
Department of Wood and Paper Engineering: Prof. E. KIVIMAA.
Department of Chemistry: Prof. P. KIVALO.
Department of Mining and Metallurgy: Prof. H. MIEKKOJA.
Department of Surveying: Prof. R. S. HALONEN.

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Department of Architecture: Prof. V. A. PERNAJA.
Department of General Sciences: Prof. S. E. STENIJ.

PROFESSORS:

BLOMBERG, HANS, D.SC. (Theoretical Engineering)
BLOMSTEDT, A. (Architecture).
CASTRÉN, V. V., M.SC. (Hydraulics).
ERÄMETSÄ, K. O., D.SC. (Inorganic Chemistry).
HALONEN, R. S., D.SC. (Photogrammetry).
HARVA, O. J., D.SC. (Organic Chemical Technology).
HÄYRINEN, T. E., B.ENG. (Textile Engineering).
HELENELUND, K. V., D.SC. (Foundations, Soil Mechanics).
HIRVONEN, R. A., PH.D. (Geodesy).
HUKKI, R. T., D.SC. (Mineral Dressing).
JÄRVINEN, K. N., B.ENG. (Mining).
JASKARI O., D.SC. (Economics).
JAUHIAINEN, J. J., B.ENG. (Weak Current Engineering).
JAUHO, P. A. O. PH.D., (Nuclear Physics).
KAITERA, P. V., B.ENG., D.SC. (Agricultural Hydraulics).
KIVALO, P., D.SC. (Physical Chemistry).
KIVIMAA, E. M., D.SC. (Mechanical Technology of Wood).
KIVINEN, M. O., D.SC. (Town Planning).
KIVISALO, BRUUNO, M.SC. (Bridge Construction)
KORHONEN, U. K., PH.D. (Physics).
KUUSKOSKI, V. N., D.SC. (Building Construction).
LAASONEN, P. V.., PH.D. (Mathematics).
LINNALUOTO, V. V., M.A., M.SC. (Aeronautics).
LOKKI, O. K., PH.D. (Mathematics).
MIEKK-OJA, H., PH.D. (Metallography).
MIKKOLA, A., PH.D. (Mineralogy and Geology).
MURTO, J. O., M.SC. (Chemical Technology of Wood).
NIINI, E. M., D.SC. (Industrial Economy).
NYMAN, G. A., D.SC. (Organic Chemistry).
OKSALA, O. A. K., M.A. (Management and Psychology in Industry).
PAAVOLA, M. J., D.SC. (Electrical Engineering).
PERNAJA, V. A. (Buildings, Building Materials).
PYÖKÄRI, T. O., D.SC. (Electrical Machinery).
RAHOLA, J. J., B.ENG., D.SC. (Ship Construction).
RYTI, K. J. H., D.SC. (Heat Engineering and Machinery).
SAHLBERG, P.-H., B.ENG. (Steam Technology).
SAVOLAINEN, K. J., M.SC. (Railway and Highway Construction).
SERLACHIUS, J. O., B.ENG. (Mechanical Technology).
STENIJ, S. E., PH.D. (Mechanics).
SUHONEN, E. S. (Building Construction).
TIKKA, U. J. K., PH.D. (Biochemistry).
TIKKANEN, M. H. A., D.SC. (Metallurgy).
TIURI M., D.SC. (Radio Engineering).
VERKKOLA, T. R., B.ENG. (Internal Combustion Engines).
VOIPIO, ERKKI, D.SC. (Theoretical Electrical Engineering).
WICKBERG, N. E. (History of Architecture).
WIIALA, A. K., D.SC. (Land Distribution).
WUOLIJOKI, J. R., D.SC. (Machinery).
YLINEN, A. A. J., B.ENG., D.SC. (Theory of Structures).

ELÄINLÄÄKETIETEELLINEN KORKEAKOULU
(College of Veterinary Medicine)

HELSINKI, HÄMEENTIE 57

Founded 1945

Rector: Prof. OSMO TURPEINEN.
Secretary: ANNELI MÄKINEN.
Librarian: ARMI SETÄLÄ.

Number of teachers: 32, including 9 professors.
Number of students: 145.

PROFESSORS:

MOBERG, R. (Obstetrics and Gynæcology).
REINIUS, L. (Food Hygiene).
RISLAKKI, V. H. R. (Microbiology and Epizoology).
STENIUS, P. I. (Pathology).
TALANTI, S. (Anatomy and Embryology).
TURPEINEN, O. (Biochemistry).
WESTERMARCK, H. (Pharmacology and Toxicology).
(Vacant—Animal Hygiene and Physiology).

Helsingin Teknillinen Oppilaitos: Agricolankatu 1-3, Helsinki

All branches of engineering, except Architectural designing and Chemistry.

Rector: Y. J. CL. COLLAN.
Vice-Rector: H. J. HELVELAHTI.

Number of teachers: 230.
Number of students: 2,300 men, 8 women.

Tampereen Teknillinen Oppilaitos: Pyynikintie 2, Tampere.

Tekniska läroverket i Helsingfors: Apollogatan 8, Helsingfors.

Turun Teknillinen Oppilaitos: Luostarinkatu 16, Turku.
Rector: L. A. J. ROUSI.
Vice-Rector: V. A. LAITSALMI.

SCHOOLS OF ART AND MUSIC

ATENEUM
(Academy of Art)

HELSINKI

Rector: E. A. KOPONEN.

Number of teachers: 11.

SIBELIUS-AKATEMIA
(Sibelius Academy)

HELSINKI, POHJOIS-RAUTATIEKATU 9

Telephone: 444 999

President: EDWIN LINKOMIES.
Rector: TANELI KUUSISTO.
Chief Administrative Officer: VEIKKO HELASVUO.
Librarians: Miss HELVI LEIVISKÄ, TIMO TEERISUO.

Number of teachers: 112.
Number of students: Highest Degree 73, Middle Degree 177, School Education Dept. 99, Church Music Dept. 85, Military Music 33, Preparatory Course 196, total 663.

DEANS:

School Music Department: MATTI RAUTIO.
Church Music Department: HARALD ANDERSÉN.

PROFESSORS;

BERGMAN, ERIK (Composition).
IGNATIUS, Mrs. ANJA (Violin).
LEHTINEN, MATTI (Singing).
MIKKILÄ, TIMO (Piano).
PAAVOLA, MARTTI (Piano Pedagogy).
RAUSSI, PAAVO (Organ).
SELIN, YRJO ('Cello).

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FRANCE

Population 46,530,000

ACADEMIES

L'INSTITUT DE FRANCE

23 QUAI DE CONTI, PARIS VI

Founded 1795

BOARD FOR 1963:

President: PIERRE MONTET (Académie des Inscriptions et Belles-Lettres).

Vice-Presidents: MAURICE GENEVOIX (Académie Française), ROGER HEIM (Académie des Sciences), ALFRED GIESS (Académie des Beaux-Arts), CHARLES MALÉGARIE (Académie des Sciences morales et politiques).

Secretary: ALFRED MERLIN, Permanent Secretary of the Académie des Inscriptions et Belles Lettres.

Chancellor, Institut de France: ANDRÉ FRANÇOIS-PONCET.

Librarian: TREMBLOT DE LA CROIX.

Director of Services: PHILIPPE BRISSAUD.

Prizes of the Institute: Prix Osiris, d'Aumale and Jaffe.

The Institute is composed of the following five Academies:

(1) **Académie Française:** f. 1635 by Louis XIII; Dir. elected quarterly; Permanent Sec. MAURICE GENEVOIX; Sec. ANDRÉ MALLE; 40 elected members; Prizes: Grand Prix de Littérature, Grand Prix du Roman, Prix Brieux, Prix Montyon, Prix Gobert for historical works and others.

MEMBERS:

WEYGAND, MAXIME (1931).
MAURIAC, FRANÇOIS (1933).
DUHAMEL, GEORGES (1935).
LACRETELLE AMAURY, JACQUES DE (1936).
MAUROIS, ANDRÉ (1938).
BROGLIE, LOUIS VICTOR PIERRE RAYMOND, Duc de (1944).
VALLERY-RADOT, LOUIS PASTEUR (1944).
D'HARCOURT, ROBERT (1946).
GARÇON, MAURICE (1946).
PAGNOL, MARCEL (1946).
ROMAINS, JULES (1946).
GILSON, ETIENNE (1946).
GENEVOIX, MAURICE (1946).
FRANÇOIS-PONCET, ANDRÉ (1952).
JUIN, ALPHONSE PIERRE (1952).
GAXOTTE, PIERRE (1953).
LEVIS MIREPOIX, Duc de (1953).
DANIEL-ROPS (HENRY PETIOT) (1955).
CARCOPINO, JÉRÔME ERNEST JOSEPH (1955).
D'ORMESSON, VLADIMIR (1956).
CHAMSON, ANDRÉ (1956).
CHASTENET, JACQUES (1956).
ACHARD, MARCEL (1959).
DELAY, JEAN (1959).
ROSTAND, JEAN-EDMOND (1959).
TROYAT, HENRI (1959).
MONTHERLANT, HENRY DE (1960).
MASSIS, HENRI (1960).
HUYGHE. RENÉ (1960).
CLAIR, RENÉ (1960).
GUITTON, JEAN (1961).
TISSERANT, H. E. Cardinal EUGÈNE GABRIEL GERVAIS LAUDENT (1961).
GUEHENNO, JEAN (1962).
BOEGNER, MARC (1962).
KESSEL, JOSEPH (1962).
PAULHAN, JEAN (1963).
(Four Vacancies.)

(2) **Académie des Inscriptions et Belles-Lettres:** f. 1663 by Louis XIV; 40 members, 15 free members, 12 foreign associates, 30 French and 40 foreign correspondents; Permanent Sec. ALFRED MERLIN; Pres. PIERRE MONTET; Vice-Pres. ANDRÉ GRABAR; publs. *Comptes Rendus, Mémoires, Notices et Extraits des MSS., Savants Etrangers, Monuments Piot,* etc.

MEMBERS:

MERLIN, MAURICE JOSEPH ALFRED (1928).
CARCOPINO, JÉRÔME ERNEST JOSEPH (1930).
PICARD, CHARLES (1932).
ERNOUT, ALFRED GEORGES (1934).
BRUNEL, CLOVIS (1937).
SAMARAN, CHARLES MAXIME DONATIEN (1941).
MAZON, ANDRÉ AUGUSTE (1941).
VIROLLEAUD, JEAN CHARLES GABRIEL (1941).
DESCHAMPS, PAUL (1942).
LA COSTE-MESSELIÈRE, PIERRE PAUL MARIE FERNAND MÉDÉRIC FROTIER, Marquis de (1944).
MAROUZEAU, JULES EMILE (1945).
PIGANIOL, ANDRÉ FÉLIX GUY (1945).
LANTIER, RAYMOND (1946).
RENOU, LOUIS (1946).
FAWTIER, ROBERT (1946).
ROBERT, LOUIS (1948).
DHORME, EDOUARD (1948).
BAYET, ALEXIS JEAN (1948).
PERRIN, CHARLES-EDMOND (1950).
DEMIÉVILLE, PAUL HENRI (1951).
BATAILLON, MARCEL (1952).
CHANTRAINE, PIERRE (1953).
SCHAEFFER, CLAUDE (1953).
TESSIER, GEORGES (1953).
MONTET, PIERRE (1953).
GRABAR, ANDRÉ (1955).
LEBÈGUE, RAYMOND (1955).
PETOT, PIERRE (1957).
WIET, GASTON (1957).
FESTUGIÈRE, JEAN ANDRÉ (1958).
COORNAERT, EMILE (1958).
BOYANCÉ, PIERRE (1959).
BENVENISTE, EMILE (1960).
DUPONT-SOMMER, ANDRÉ (1962).
BOSSUAT, ROBERT (1962).
PUECH, HENRI-CHARLES (1962).
CHARBONNEAUX, JEAN (1962).
LEJEUNE, MICHEL (1963).

Free Members:

TISSERANT, H. E. Cardinal EUGÈNE GABRIEL GERVAIS LAUDENT (1938).
MASSÉ, MARIE NICOLAS PHILIPPE HENRI (1941).
BACOT, JACQUES (1947).
SALIN, EDOUARD (1952).
SEYRIG, HENRI (1952).
TERRASSE. HENRI (1953).
MOLLAT, GUILLAUME (1954).
GABRIEL, ALBERT (1957).
COEDÈS, GEORGE (1958).

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Benoit, Fernand (1958).
Marot, Pierre (1958).
Schlumberger, Daniel (1958).
Poinssot Louis (1962)
Vaux, Roland Guerin de (1962).
Dain, Alphonse (1962).

(3) **Académie des Sciences:** f. 1666 by Louis XIV; 66 ordinary members, 10 free members, 12 non-resident members, 6 members for the application of science to industry, 20 foreign associates and 120 correspondents; Permanent Sec. Louis de Broglie (Mathematical Sciences), Robert Courrier (Natural Sciences); Pres. Roger Heim; Vice-Pres. Georges Poivilliers; publs. *Comptes Rendus, Mémoires, Notices et Discours, Annuaire.*

Members:

Section I. Geometry:
Hadamard, Jacques Salomon (1912).
Julia, Gaston Maurice (1934).
Montel, Paul Antoine (1937).
Denjoy, Arnaud (1942).
Garnier, Édouard Louis Marie René (1952).
Fréchet, René Maurice (1956).

Section II. Mechanics:
Villat, Henri René Pierre (1932).
Caquot, Albert Irénée (1934).
Béghin, Henri (1946).
Roy, Maurice (1949).
Leray, Jean (1953).
Lichnerowicz, André Léon Jean Maurice (1963).

Section III. Astronomy:
Maurain, Charles (1930).
Fayet, Gaston Jules (1935).
Danjon, André-Louis (1948).
Couder, André-Joseph Alexandre (1954).
Coulomb, Jean Marie François Joseph (1960).
Lallemand, André (1961).

Section IV. Geography and Navigation:
Barrillon, Emile Georges (1938).
Poivilliers, Georges Jean (1946).
Tardi, Pierre Antoine Ernest (1956).
Brard, Roger Émile Marie (1956).
Bourcart, Jacques Paul (1960).
Gougenheim, André (1962).

Section V. Physics:
Ribaud, Gustave (1947).
Leprince-Ringuet, Louis Marie Edmond (1949).
Perrin, Francis Henri Jean Siegfried (1953).
Trillat, Jean-Jacques Marie Joseph (1959).
Lecomte, Jean (1959).
Laval, Jean Baptiste (1960).

Section VI. Chemistry:
Delépine, Marcel (1930).
Pascal, Paul Victor Henri (1945).
Dufraisse, Charles Robert (1948).
Chaudron, Georges Léon (1954).
Champetier, Georges-Hippolyte (1961).
Roche, Jean Casimir Henri Hilaire (1963).

Section VII. Geology:
Grandjean, François Alfred (1937).
Pruvost, Pierre Eugène Marie Joseph (1954).
Piveteau, Jacques Honoré Jean Marie (1956).
Wyart, Jean-Léon (1959).
Arambourg, Louis-Joseph-Camille (1961).
Orcel, Jean (1963).

Section VIII. Botany:
Souèges, Etienne Charles René (1943).
Heim, Roger Jean (1946).
Combes, Raoul Pierre Emile (1948).
Humbert, Jean Henri (1951).
Plantefol, Lucien (1957).
Gautheret, Roger-Jean (1958).

Section IX. Zoology:
Wintrebert, Paul Marie Joseph (1938).
Fage, Louis Baptiste (1942).
Grassé, Pierre Paul (1948).
Fauré Fremiet, Emmanuel (1959).
Wolf, Étienne Charles (1963).

Section X. Rural Economy:
Lemoigne, Maurice Auguste (1952).
Dujarric de la Rivière, Auguste René (1954).
Fabre, René Jean Marie (1955).
Bressou, Clément Jean Pierre François Emmanuel (1956).
Fontaine, Maurice Alfred (1957).
Prévot, André Romain (1963).

Section XI. Medicine and Surgery:
Binet, Léon René (1942).
Allaines, François Louis Paul de Gaudart D' (1956).
Debré, Robert Anselme (1961).
Turpin, Raymond-Alexandre (1962).
Benard, Henri-Auguste (1962).
Cordier, Gaston Jean (1962).

Free Members:
Gutton, Antoine Marie Camille (1938).
Duclaux, Jacques Eugène (1939).
Hackspill, Louis Joseph Henri (1944).
Tréfouel, Jacques Gustave Marie (1947).
Lacassagne, Antoine (1949).
Dassault, Darius Paul (1953).
Lépine, Pierre Raphael (1961).
Moureu, Henri (1960).
Fessard, Alfred Eugène (1963).

Non-Resident Members:
Camichel, Charles Moïse (1936).
Sergent, Etienne Louis Marie Edmond (1936).
Dupouy, Gaston Léopold (1950).
Néel, Louis Eugène Félix (1953).
Escande, Léopold Charles Marie Jean Baptiste (1954).
Mallemann, René Jean Gérard Henri de (1955).
Vandel, Albert Paul Marie (1956).
Moret, Léon Marie-Louis (1957).
Milloux, Paul-Henri (1959).
Dufay, Jean Claude Barthelemy (1963).
Policard, Albert (1963).

Members for the Application of Science to Industry:
Darrieus, Georges (1946).
Parodi, Hippolyte (1949).
Perrin, René (1955).
Léauté, André Pierre Marcel (1958).
Velluz, Léon Antoine (1961).
Ponte, Maurice Jules Henry (1963).

(4) **Académie des Beaux-Arts:** f. 1803; 50 ordinary members, 10 foreign associates, 50 correspondents; Perm. Sec. Louis Hautecoeur; Pres. (1963) Alfred Giess; publ. *Annuaire de l'Académie des Beaux-Arts.*

Members:

Section I. Painting:
Aubry, Emile (1935).
Dupas, Jean (1941).
Jouve, Paul (1945).
Van Hasselt, Willem (1945).
Souverbie, Jean (1946).
Untersteller, Nicolas (1946).
Heuzé, Edmond (1948).
Bouchaud, Jean (1951).
Fontanarosa, Lucien (1955).
Giess, Alfred (1955).
Brayer, Yves (1957).
Cheyssial, Georges (1958).
Planson, André (1960).

Section II. Sculpture:
Lejeune, Louis Aimé (1941).
Grange, Claude (1950).
Belmondo, Paul (1960).
Janniot, Alfred (1960).
Navarre, Henri (1961).
Martin, Raymond (1961).
Diderot, Louis (1962).

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Section III. Architecture:
LEMARESQUIER, CHARLES (1938).
TOURNON, PAUL (1942).
NICOD, CHARLES (1956).
CARLU, JACQUES (1957).
LAPRADE, ALBERT (1958).
SÉASSAL, ROGER (1960).
LE MARESQUIER, NOËL (1961).
BEAUDOUIN, EUGÈNE (1961).

Section IV. Engraving:
DROPSY, HENRI (1942).
DECARIS, ALBERT (1943).
GALANIS, DEMETRIUS (1945).
LEMAGNY, PAUL PIERRE (1949).

Section V. Musical Composition:
BUSSER, HENRI (1938).
PARAY, PAUL (1950).
DUPRÉ, MARCEL (1956).
AUBERT, LOUIS (1956).
BONDEVILLE, EMMANUEL (1959).
AURIC, GEORGES (1962).

Section VI. Free Members:
LEMOISNE, ANDRÉ (1945).
DORIA, ARNAULD, Comte (1950).
HAUTECŒUR, LOUIS (1952).
CAIN, JULIEN (1952).
KUNSTLER, CHARLES (1954).
JAUJARD, JACQUES (1955).
SUBES, RAYMOND (1958).
CORNU, ANDRÉ (1962).

(5) **Académie des Sciences morales et politiques:** f. 1832 by Louis-Philippe; 50 members; 12 foreign associates, 60 correspondents; Pres. (1963) CHARLES MALÉGARIE; Vice-Pres. LOUIS BAUDIN; Perm. Sec. EMILE MIREAUX; publs. *Revue des Travaux de l'Académie et Comptes Rendus de ses Séances, Ordonnances des Rois de France, Notices biographiques et bibliographiques.*

MEMBERS:

Section I. Philosophy:
LALANDE, ANDRÉ (1922).
DAVY, GEORGES (1952).
MARCEL, GABRIEL (1952).
POIRIER, RENÉ (1956).
GUEROULT, MARTIAL (1957).
SOURIAU, ÉTIENNE (1958).
GOUHIER, HENRI (1961).

Section II. Moral and Sociological Sciences:
RECLUS, MAURICE (1937).
DUHAMEL, GEORGES (1944).
SARRAILH, JEAN (1955).
POMMIER, JEAN (1959).
LANGERON, ROGER (1960).
ARMAND, LOUIS (1960).

Section III. Legislation, Public Law and Jurisprudence:
BASDEVANT, JULES (1944).
JULLIOT DE LA MORANDIÈRE, LÉON (1946).
CASSIN, RENÉ (1947).
PUAUX, GABRIEL (1951).
ROUSSELET, MARCEL (1959).
LE BRAS, GABRIEL (1962).
ARRIGHI, PAUL (1963).

Section IV. Political Economy, Statistics and Finance:
MIREAUX, EMILE (1940).
RUEFF, JACQUES (1944).
MOREAU-NÉRET, OLIVIER (1946).
BAUDIN, LOUIS (1951).
ROY, RENÉ (1951).
POSE, ALFRED (1953).
GIGNOUX, CLAUDE-JOSEPH (1958).
GISCARD D'ESTAING, EDMOND (1960).

Section V. History and Geography:
RENOUVIN, PIERRE (1946).
BASTID, PAUL (1946).
DUNAN, MARCEL (1949).
CHASTENET, JACQUES (1949).
BAUMONT, MAURICE (1957).
BLANCHARD, RAOUL (1958).
DANSETTE, ADRIEN (1962).
TAPIÉ, VICTOR (1963).

Free Members:
LÉPINE, JEAN (1935).
NOËL, LÉON (1944).
BOEGNER, MARC (1946).
MALÉGARIE, CHARLES (1951).
KOENIG, PIERRE (1951).
SCHWEITZER, ALBERT (1951).
GIRARDEAU, EMILE (1954).
BONNEFOUS, EDOUARD (1958).
DE LUBAC, HENRI (1958).
FRANÇOIS-PONCET, ANDRÉ (1961).

Foreign Associate Members:
CHURCHILL, Sir WINSTON, U.K. (1944).
UNDÉN, OESTEN, Sweden (1946).
BURCKHARDT, CARL J., Switzerland (1949).
EISENHOWER, DWIGHT D., U.S.A. (1950).
VANIER, GEORGE P., Canada (1951).
DUMONT-WILDEN, LOUIS, Belgium (1953).
PAPI, GIUSEPPE UGO, Italy (1958)
DUPRÉEL, EUGÈNE, Belgium (1958).
DE MADARIAGA, SALVADOR, Spain (1959).
ERKIN, FERIDUN CEMAL, Turkey (1959).
PARRA-PÉREZ, CARACCIOLO, Venezuela (1961).
BROGAN, Sir DENIS W., U.K. (1962).

Académie d'Architecture: 6-*bis* rue Danton, Paris 6e; f. 1840 as Société Centrale des Architectes, name changed 1953; 100 elected mems.; Pres. LOUIS AUBLET; Gen. Sec. C. CHARPENTIER.

Académie Nationale de Médecine: 16 rue Bonaparte, Paris 6e; f. 1820 by Louis XVIII; library of 260,000 vols.; 130 members attached to sections on Medicine, Surgery, Hygiene, Science, Veterinary Medicine, and Pharmacy; Permanent Sec. H. BENARD; Publ. *Bulletin de l'Académie de Médecine.*

Académie de Chirurgie: 12 rue de Seine, Paris VI; 154 members; Sec. JEAN PATEL; publ. *Mémoires de l'Académie de Chirurgie.*

Académie de Pharmacie de Paris: 4 avenue de l'Observatoire, Paris VI; f. 1803; 60 mems.; Pres. L. VELLUZ; Gen. Sec. R. FABRE; Publ. *Annales Pharmaceutiques Françaises.*

Académie Vétérinaire de France (CSSF): 12 rue de Seine, Paris VI; f. 1844; 44 members; Sec. Prof. C. BRESSOU; Publ. *Bulletin* (monthly).

Académie d'Agriculture: 18 rue de Bellechasse, Paris VII; f. 1761 (formerly "Société Royale d'Agriculture"); 76 members attached to sections on Arable Farming and Special Crops, Sylviculture, Animal Economy, Legislation, Statistics and Economics, Physical Science, Natural History, Rural Life; Pres. JACQUES BARATTE; Perm. Sec. ROBERT PRÉAUD; Perm. Treas. CHARLES BRASART; Publ. *Comptes rendus hebdomadaires des Séances de l'Académie d'Agriculture de France.*

Académie de Marine: 20 avenue Emile Deschanel, Paris 7e; f. 1752; 65 members attached to sections on History, Law, Naval Equipment, Navigation, Military Affairs, Economics, Yachting, Mercantile Marine; Pres. EDMOND DELAYE; Sec. MARC BENOIST.

Académie des Sciences Coloniales: 15 rue La Pérouse, Paris XVI; f. 1922; 100 members attached to sections on Geography, Politics and Administration, Law, Economics and Sociology, Science and Medicine, Education; Pres. V. CAYLA; Permanent Treas. F. LIORÉ; Permanent Sec. OSWALD DURAND; Publs. *Comptes Rendus.*

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Académie des Jeux Floraux: Hôtel d'Assézat, Toulouse (Haute Garonne); f. 1323; it is composed of 40 "mainteneurs" and 23 "Maîtres ès Jeux Floraux"; Permanent Sec. MARCEL SENDRAIL; Publ. *Recueil de l'Académie des Jeux Floraux* (yearly).

Académie de Nîmes: 16 rue Dorée, Nîmes (Gard); f. 1682; Pres. MARCEL GOURAN; Permanent Sec. E. LACOMBE; Publs. *Mémoires annuelles.*

Académie des Sciences, Belles-Lettres et Arts de Lyon: Palais des Arts, Lyon (Rhône); f. 1700; 52 elected members; Sec.-Gen. and Librarian Dr. C. ROUX; Publ. *Mémoires.*

Académie Nationale des Sciences, Belles-Lettres et Arts de Bordeaux: 71 rue du Loup, Bordeaux (Gironde); f. 1712; 40 elected members; Perm. Sec. J. DE FEYTAUD.

Académie des Sciences, Agriculture, Arts et Belles-Lettres d'Aix: 2 rue du 4-Septembre, Aix-en-Provence (Bouches-du-Rhône); f. 1808; library of 100,000 vols.; collections of ceramics, paintings, sculpture and mineral specimens; Pres. JEAN BOËT; Sec. BRUNO DURAND.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

GENERAL SCIENCE

Association d'études pour l'expansion de la recherche scientifique: 29 rue d'Ulm, Paris 5e; Pres. GEORGES CHAMPETIER; Sec.-Gen. CREMIEUX-BRILHAC; publ. *L'Expansion de la Recherche Scientifique.*

Association Française pour l'Avancement des Sciences (CSSF): 28 rue Serpente, Paris VI; associated with L'Association Scientifique Française; f. 1864; 3,000 members; Pres. Prof. RENÉ FABRE; Sec. of the Council Prof. J. VERNE; Publs. *Sciences* (quarterly).

Association des Travailleurs Scientifiques: 36 rue Geoffroy Saint-Hilaire, Paris 5e; Pres. YVES LE GRAND; Sec. ERNEST AUBEL.

Centre International de Synthèse: 12 rue Colbert, Paris II; f. 1924 by Henri Berr; Admin. Council of 36 mems.; Pres. JULIEN CAIN; Gen. Sec. PAUL CHALUS; publs. *Revue de Synthèse, Semaines Internationales de Synthèse, Revue d'Histoire des Sciences.*

Confédération des Sociétés Scientifiques Françaises: 28 rue Serpente, Paris VI; f. 1919 "to defend the interests of scientific research in its five branches, documentation, bibliography, research proper, publication, and discussion". It is divided into four federations, covering Mathematics, Chemistry, Physics and the Natural Sciences; Pres. M. BLONDEL; Gen. Sec. Prof. JEAN VERNE. (The societies affiliated to it are marked CSSF in the following list.)

ANATOMY, BIOLOGY

Association des Anatomistes (CNRS): 31 rue Lionnois, Nancy (Meurthe-et-Moselle); f. 1899; Gen. Sec. Prof. A. BEAU.

Société de Biologie: Collège de France, Paris V; f. 1848; 140 hon. members, 50 elected members, 133 associates, 192 corres.; Pres. Prof. L. BINET; Sec. Prof. J. ROCHE; publ. *Comptes Rendus de la Société de Biologie.*

Société de Biogéographie (CNRS): 57 rue Cuvier, Paris V; f. 1924; 265 members; Sec.-Gen. J. CARAYON; Publs. *Compte Rendu Sommaire des Séances, Mémoires hors-série.*

Société Française de Génétique (CNRS): Institut de Génétique, Gif-sur-Yvette (Seine et Oise); Sec.-Gen. G. PRÉVOST.

ANTHROPOLOGY

Société Préhistorique Française (SPF): 16 rue St. Martin, Paris IV; f. 1904; 2,600 mems.; Pres. Prof. J. J. HATT; Sec. G. GAUDRON; publ. *Bulletin* (every two months).

Société d'Anthropologie de Paris (CSSF): 1 rue René Panhard, Paris XIII; f. 1859; 550 members; Pres. A. BOURLIÈRE; Sec. H. VALLOIS; pub. *Bulletins et Mémoires.*

Institut Français d'Anthropologie: Musée de l'Homme, Palais de Chaillot, Paris XVI; f. 1911; 127 members; Pres. PR. MILLOT; Sec. CUISINIER.

Association pour l'Enseignement des Sciences Anthropologiques, Ecole d'Anthropologie: 95 Boulevard St. Michel, Paris V; f. 1875; Pres. Dr. J. A. HUET; Sec.-Gen. Mme. F. LOUIS MARIN.

Société des Océanistes: Musée de l'Homme, Palais de Chaillot, Paris XVI; f. 1938; 420 members; Pres. ROGER HEIM; Sec. Father O'REILLY; Publs. *Journal* (annually), *Publications* (12 vols.).

ARCHÆOLOGY

Bureau de Recherches Géologiques et Minières, Service d'Information Géologique: 74 rue de la Fédération, Paris XV.

Société Française d'Archéologie (CSSF): 77 rue de Varenne, Paris; f. 1834; 3,000 mems.; Hon. Pres. Prof. MARCEL AUBERT; Gen. Sec. JEAN VERRIER; Dir. MARC THIBOUT; publs. *Bulletin Monumental, Congrès archéologiques de France.*

Société Nationale des Antiquaires de France (CSSF): Palais du Louvre, Paris 1er; f. 1803; 55 elected members and 320 correspondents.

Société Française de Numismatique: Bibliothèque Nationale, Cabinet des Médailles, 58 rue de Richelieu, Paris 2e; f. 1865; 320 mems.; Pres. JEAN PARENT; Gen. Sec. J. YVON; Publs. *Revue Numismatique* (f. 1836) and *Bulletin Mensuel* (f. 1945).

Société d'Emulation du Bourbonnais: 11 pl. de la République, Moulins (Allier); f. 1846; 600 mems.; Pres. MARCEL GÉNERMONT; Gen. Sec. Dr. LOUGNON; publ. *Bulletin.*

ARCHITECTURE

Office Général du Bâtiment et des Travaux Publics: 9 avenue Victoria, Paris IV; f. 1918; combines the majority of Societies, Unions and Federations of Architects and Contractors; Pres. R. LEROY; Secretariat: 100 rue du Cherche-Midi, Paris VI.

Confédération Générale des Architectes Français (CGAF): 100 rue du Cherche Midi, Paris VI; f. 1920; Pres. A. MALÉCOT; Gen. Sec. J. BARGE.

Société des Architectes Diplômés par le Gouvernement: 100 rue du Cherche-Midi, Paris VI; f. 1877; 2,200 mems.; Hon. Pres. M. J. DUVAUX; Pres. STÉPHANE CLAUDE; Vice-Pres. MM. J. DORIAN and POL-JEAN; Gen. Sec. M. CH. RAMBERT; publ. *Bulletin Mensuel.*

Société Nationale des Architectes de France: 20 boulevard du Montparnasse, Paris XV; f. 1872; professional union; 500 members; Pres. C. PÂQUET, Membre du Conseil

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Régional de l'Ordre de Paris, 29 rue Anatole France, Vincennes (Seine); Gen. Sec. CH. MATHIEU; Publ. *Le Moniteur des Architectes—Bulletin de la Société Nationale.*

Compagnie des Architectes-Experts: prés la Cour d'Appel de Paris et le Tribunal de Grande Instance de la Seine, 9 rue de Chaillot, Paris 16e; f. 1928; Pres. P. BONPAIX; Gen. Sec. A. BASDEVANT.

ART, THE ARTS

Société de l'Histoire de l'Art Français (CSSF): Pavillon de Marsan, 107 rue de Rivoli, Paris I; f. 1870; 600 members; Pres. LÉON SUZOR; Gen. Sec. SUZANNE DAMIRON; Publs. *Bulletin* and *Archives de l'Art Français.*

Société des Amis du Louvre: 107 rue de Rivoli, Paris 1er; f. 1897; 25,000 members; Pres. JACQUES DUPONT; Sec.-Gen. PHILIPPE GAUGNAT; Publ. *Bulletin.*

Société du Salon d'Automne: Grand Palais, porte B, Paris VIII; f. 1903; Pres. R. LOTIRON.

Société des Artistes Français: Grand Palais des Champs-Elysées, Paris VIII; f. 1882; 4,000 members; its exhibition is held at the beginning of the summer; Pres. JULES FORMIGÉ; Gen. Sec. A. CHATAIGNEAU; Publ. *Bulletin.*

Société Nationale des Beaux-Arts: Grand Palais, Porte B, Paris 8e; f. 1890; Pres. LOUIS RENAUDIN; Gen. Sec. ALFRED LAVERGNE.

Société des Artistes Indépendants: Grand Palais des Champs-Elysées, Cours la Reine, Paris VIII; f. 1884; 2,500 members; unites the majority of artists of modern tendency; annual exhibition of painting, sculpture, engravings and decorative art; Gen. Sec. MARGUERITE SHARON D'OBREMER.

Société des Artistes Décorateurs (SAD): avenue Alexandre III, Paris 8e; f. 1901; Pres. ETIENNE-HENRI MARTIN; Gen. Sec. Mme H. CAHEN-MILEN.

Société Française de Photographie et Cinématographie: 9 rue Montalembert, Paris VII; f. 1854; 1,780 members; library of 4,600 vols.; Sec.-Gen. Dr. F. OBATON.

Union Centrale des Arts Décoratifs: Pavillon de Marsan, 107 rue de Rivoli, Paris I; f. 1882; 2,000 members; library of 80,000 vols.; Pres. E. CLAUDIUS PETIT; Curators of Museum M. FARÉ, F. MATHEY; Administration Sec.-Gen. R. BAIN; Librarian R. SALANON.

ASTRONOMY, METEOROLOGY

Société Astronomique de France (CSSF): 28 rue Serpente, Paris VI; f. 1887; 4,800 mems.; Pres. A. DANJON; Gen. Sec. (Vacant); publ. *L'Astronomie* (monthly).

Société Météorologique de France (CSSF): 1 quai Branly, Paris VII; f. 1852; 950 members; Sec.-Gen. A. VIAUT; publs. *La Météorologie, Journal de Mécanique et de Physique de l'Atmosphère.*

Association Française d'Etoiles Variables: Observatoire de Lyon, St. Genis Laval, Rhône; f. 1927; 150 mems.; Pres. A. BRUN; Gen. Sec. LE BREUIL-ALLIER; publ. *Journal des Observateurs.*

BIBLIOGRAPHY

Société Internationale de Bibliographie Classique: 270 Boulevard Raspail, Paris XIV; f. 1922; 600 members; Dir. J. MAROUZEAU; Publs. *Dix Années de Bibliographie Classique 1914-1923, L'Année philologique (Bibliographie classique 1923 ss.), Bibliographie du droit romain, Bibliographie de la littérature latine, Bibliographie de la langue latine, Bibliographie classique rétrospective 1896-1914: Vol. I (Auteurs et Textes) 1951, Vol. II (Matières et Disciplines* (in preparation).

Association des Bibliothécaires Français (CSSF): 65 rue de Richelieu, Paris II; f. 1906; 800 members; Gen. Sec. J. LETHÈVE; Publ. *A.B.F. Bulletin d'Informations.*

Association amicale professionnelle des Archivistes Français: 60 rue des Francs-Bourgeois, Paris III; f. 1909; 300 mems.; Sec. E. TAILLEMITE; publ. *La Gazette des archives.*

BOTANY, HORTICULTURE

Société Nationale de Protection de la Nature et d'Acclimatation de France (CSSF): 57 rue Cuvier, Paris V; f. 1854; 1,200 mems.; Pres. ROGER DE VILMORIN; Gen. Sec. ED. DECHAMBRE; publ. *La Terre et la Vie.*

Société Botanique de France (CSSF): 4 avenue de l'Observatoire, Paris VI; f. 1854; 850 members; Gen. Sec. A. DAVY DE VIRVILLE; Publs. *Bulletin* (every two months), *Mémoires* (irregular).

Société Nationale d'Horticulture de France (SNHF); 84 rue de Grenelle, Paris VII; f. 1827; 13,000 members, 800,000 affiliated members; library of 10,000 vols.; Pres. PIERRE SCHNEITER; Gen. Sec. PIERRE CHAUMIER; publs. *Jardins de France, Revue Horticole-Annales de la SNHF.*

Société Mycologique de France (CSSF): 16 rue Claude Bernard, Paris V; f. 1884; Pres. M. ANDRÉ, DR.PHAR.; Sec.-Gen. M. PAUL OSTOYA; 1,400 mems.; publ. *Bulletin Trimestriel.*

Société de Pathologie Végétale et d'Entomologie Agricole de France (CSSF): Institut Pasteur, 25 rue Dr. Roux, Paris XV; f. 1914; 650 members; Pres. C. JACQUIOT; Secs. A. BALACHOWSKY, G. REMAUDIÈRE; Publ. *Revue.*

CHEMISTRY

Fédération Nationale des Associations de Chimie de France (CSSF): 28 rue St. Dominique, Paris VII; 11 affiliated societies and 12,000 members; Sec.-Gen. Prof. R. DELABY.

Société Chimique de France: 28 rue St. Dominique, Paris VII; f. 1857; 4,000 mems.; Pres. Prof. G. CHAMPETIER; Sec.-Gen. Prof. G. PANNETIER; Publs. *Bulletin de la Société Chimique de France* (10 issues a year), *Bulletins bi-mensuels de la Société.*

Société de Chimie Biologique (CSSF): 4 avenue de l'Observatoire, Paris VI; f. 1914; 1,663 mems.; Pres. P. MANDEL; Gen. Sec. J. E. COURTOIS; publs. *Bulletin de la Société de Chimie Biologique.*

Société de Chimie Industrielle (CSSF): 28 rue St. Dominique, Paris VII; f. 1917; 4,000 members; Pres. PAUL TOINET; Sec.-Gen. ROGER BARBE.

Société de Chimie Physique: Ecole de Physique et de Chimie, 10 rue Vauquelin, Paris V; f. 1908; 550 members; Gen. Sec. Prof. G. EMSCHWILLER; Publ. *Journal de Chimie Physique.*

Société des Experts-Chimistes de France (CSSF): 42 *bis* rue de Bourgogne, Paris VII; f. 1912; Pres. RENÉ FABRE; Gen. Sec. M. JANSSENS; publ. *Les Annales des falsifications et des fraudes.*

CLASSICS

Société Internationale de Bibliographie Classique (CSSF), (*see* col. 1).

Société des Etudes Latines (CSSF): à la Sorbonne, 45 rue des Ecoles, Paris 5e; f. 1923; Adm. and Dir. J. MAROUZEAU; Publs. *Revue des Etudes Latines* and *Collection d'etudes latines.*

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Economics, Politics, Statistics

Association d'Etudes et d'Informations Politiques Internationales: 86 bd. Haussmann, Paris 8e.

Société d'Agriculture, Sciences et Industrie de Lyon: 1 rue Chambonnet, Lyon (Rhône); f. 1761; Sec. Dr. C. Roux; Publ. *Annales.*

Institut de Science Economique Appliquée: 35 Boulevard des Capucines, Paris II; f. 1944; 20 members; study of economic problems and exchange of ideas with other countries; Dir. François Perroux; Sec.-Gen. Henri Bonjour; Publs. *Cahiers de l'I.S.E.A., Collections Theoria et Pragma, Economie Appliquée—Archives de l'I.S.E.A.* (quarterly).

Société d'Economie Sociale: 54 rue de Seine, Paris VI; f. 1856; library of 20,000 vols.; Publs. *Les Ouvriers des Deux Mondes, La Réforme Sociale.*

Institut des Actuaires Français: 247 rue St. Honoré, Paris I; f. 1890; 160 members; library of 3,000 vols.; Hon. Pres. Henri Auterbe; Pres. Marcel Henry; Gen. Sec. Jean Lamson; publs. *Bulletin trimestriel de l'Institut des Actuaires français.*

Société de Statistique de Paris (CSSF): 26 Boulevard Haussmann, Paris IX; f. 1860; 985 members; library of 60,000 vols.; Gen. Sec. Marcel Brichler; Libr. Mlle Leblanc; Publ. *Journal de la Société de Statistique de Paris.*

Société d'Encouragement pour l'Industrie Nationale: 44 rue de Rennes, Paris VI; f. 1801; Sec. J. Papillon; Publ. *L'Industrie Nationale.*

Société de Géographie Commerciale de Paris: 20 rue de Tournon, Paris VI; f. 1873; Pres. Alfred Jacobson; Gen. Sec. Gen. Jean Charbonneau; library 20,000 vols.; publ. *Revue Economique Française.*

Association de Documentation Scientifique, Industrielle et Commerciale: 82 rue Taitbout, Paris IX; f. 1911; Pres. M. Maire; Sec.-Gen. M. Garcon.

Education

Office National des Universités et Ecoles Françaises: 96 boulevard Raspail, Paris VI; f. 1910 to develop cultural relations with other countries and their universities; Dir. Maurice Bayen.

Société Générale d'Education et d'Enseignement: 14 rue d'Assas, Paris 5e.

Société pour l'Instruction Elémentaire: 6 rue Fouarre, Paris 5e.

Union Française Universitaire: 2 rue Elysée, Paris 8e.

Société Française de Pédagogie: c/o Institut National Pédagogique, 29 rue d'Ulm, Paris V; f. 1902; 10,000 members; studies educational theories and teaching methods; Pres. Prof. H. Wallon; Gen. Sec. René Bonissel; Publ. *Bulletin Trimestriel.*

Association Polytechnique pour le Developpement de l'Instruction populaire: 28 rue Serpente, Paris 6e.

Centre d'Etudes Pédagogiques: 15 rue Louis David, Paris 16e; Publ. *Pédagogie* (10 a year).

Comité Universitaire d'Information Pédagogique: 29 rue d'Ulm, Paris 5e; publs. in conjunction with Institut National Pédagogique; publs. *L'Education Nationale, Cahiers Pédagogiques.*

Ligue Française de l'Enseignement (*Conféderation Générale des Oeuvres Laïques*): 3 rue Recamier, Paris 7e; Pres. Henri Faure.

Association Française des Professeurs de Langues Vivantes: c/o Institut National Pedagogique, 29 rue d'Ulm, Paris V; f. 1902; 3,500 members; Pres. M. Antier; Gen. Sec. Jacques Rebersat; Publ. *Les Langues Modernes* (two-monthly).

Folklore

Société Française d'Archéocivilisation et de Folklore: Ecole Pratique des Hautes Etudes, 47 rue des Ecoles (Sorbonne), Paris V; f. 1946; Pres. André Varagnac; Gen. Sec. Mme Hébert-Barrat.

Geography, Ethnography

Société de Géographie de Lyon: 72 rue Pasteur, Lyon VII; f. 1873; 700 mems.; Pres. J. Labasse; Sec. M. Allefresde; publ. *Revue de géographie de Lyon et de la Région Lyonnaise* (*Les Etudes Rhodaniennes*) (quarterly).

Association de Géographes Français (CSSF): 191 rue St. Jacques, Paris V; f. 1920; 522 members; Pres. A. Cholley; Sec. P. Birot; Publs. *Bulletin Mensuel* and *Bibliographie géographique annuelle.*

Maison des Sciences de l'Homme: 7-story bldg. to be erected in rue Cherche-Midi, Paris 5e.; for research in sociology, demography, statistics, geography, etc.; library for 300,000 vols. planned.

Société d'Ethnographie Française: Palais de Chaillot, Paris XVI; Pres. P. Marot; Sec.-Gen. G. H. Rivière; Publ. *Arts et Traditions Populaires* (quarterly).

Société des Africanistes (CSSF): Musée de l'Homme, Pl. du Trocadéro, Paris XVI; f. 1931; 250 members; Sec. Mme. G. Dieterlen; Publ. *Journal de la Société des Africanistes.*

Société des Américanistes (CSSF): Musée de l'Homme, place du Trocadéro, Paris XVI; f. 1895; 450 members; Pres. M. Bataillon; Gen. Sec. R. d'Harcourt; Publ. *Journal de la Société des Américanistes.*

Comité National de Géographie: Secretariat 191 rue St.-Jacques, Paris V.

Société Asiatique: *see* Section—Oriental Studies.

Société de Géographie: 184 boulevard St.-Germain, Paris VI; library of 400,000 vols. at 8 rue des Petits-Champs, Paris II; Pres. Gen. Louis Hurault; Sec. M. Perpillou; Librarian Mlle. de la Roncière; publs. *Acta Geographica* (quarterly), *Bibliographie Mensuelle, Annales de Géographie.*

Comité Scientifique du Club Alpin Français: 7 rue La Boëtie, Paris VIII; Pres. Prof. L. Glangeaud.

Société d'Océanographie de France (CSSF): correspondence to Vice-Pres. M. Manley-Bendall, "Le Roc", Monségur (Gironde); f. 1897; 280 members; Pres. Prof. Paul Portier; Publ. *Bulletin.*

Geology, Mineralogy

Société Géologique de France: 28 rue Serpente, Paris VI; f. 1830; 2,000 mems.; Pres. Maurice Roques; publs. *Compte Rendu Sommaire des Séances, Bulletin, Mémoires.*

Syndicat de Documentation Géologique et Paléontologique (CSSF): 74 rue de la Fédération, Paris XV; f. 1921; 200 members; Dir. Dr. G. Lecointre; Gen. Sec. Y. le Calvez; publs. *Bulletin.*

Société Française de Minéralogie et de Cristallographie (CSSF): à la Sorbonne, 1 rue Victor Cousin, Paris 5e; f. 1878; 720 members; Sec. A. J. Rose; Publ. *Bulletin de la Société Française de Minéralogie et de Cristallographie.*

History

Association Marc Bloch: 54 rue de Varenne, Paris 7e; f. 1945; Pres. F. Braudel; Vice-Pres. G. Friedmann, P. Leuilliot; for the study of the history of civilisa-

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tion; Publ. *Annales Economies Sociétés Civilisations* published jointly with Centre de Recherches Historiques, Ecole Pratique des Hautes Etudes; *see* State Colleges and Institutes.

Société de l'Histoire de France: Ecole des Chartes, 19 rue de la Sorbonne, Paris V; f. 1833; Pres. G. PÉRIER DE FÉRAL; Sec. MICHEL FRANÇOIS; publs. *Annuaires, Bulletins, Mémoires, Textes inédits de l'histoire de France.*

Société des Etudes Historiques (CSSF): 44 rue de Rennes, Paris VI; f. 1833; Pres. CHRISTIAN SCHAFFER; Sec.-Gen. M. DEBORDE DE MONTGORIN; Dir. EMM. RODOCANACHI; Publ. *Revue des Études Historiques.*

Société d'Histoire Moderne (CSSF): 22 Avenue de la Bourdonnais, Paris VII; f. 1901; Pres. JACQUES DROZ; Sec.-Gen. Prof. L. GENET; publs. *Bulletin de la Société d'histoire moderne, Revue d'Histoire Moderne et Contemporaine* (4 parts a year).

Société Internationale d'Etudes Historiques Cercle Louis XVII: Hotel des Sociétés Savantes, 28 rue Serpente, Paris 6e.

Société d'Histoire du Protestantisme Français: 54 rue des Saints-Pères, Paris VII; f. 1852; Pres. M. GABRIEL PUAUX; Sec. Prof. PH. DE FÉLICE; Libr. 80,000 vols.; Publ. *Bulletin Historique et Littéraire du Protestantisme Français.*

Société Française d'Histoire d'Outre-Mer (formerly Société de l'Histoire des Colonies Françaises): 43 rue Cambon, Paris I; f. 1913; Hon. Pres. ROBERT DELAVIGNETTE; Pres. HUBERT DESCHAMPS; Vice-Pres. LOUIS RENAUDIN, PAUL ROUSSIER, Mlle BLANCHE MAUREL; Sec.-Gen. CARLO LAROCHE; publ. *Revue Française d'Histoire d'Outre-Mer* (quarterly).

HUMANITIES

Association Guillaume Budé (CSSF): 95 Bd. Raspail, Paris VI; f. 1917; 7,000 members; Pres. A. ERNOUT; Del.-Gen. JEAN MALYE; publishes ancient Greek, Latin, Byzantine, Indian, Arabic, Chinese, French and English classical texts with French translations and studies on history, philology and archæology; periodical publs. *Bulletin* and *Lettres d'Humanité.*

Centre International de Documentation Classique (*Etudes Grecques, Latines, Bibliques, Médiévales, Préhistoire, Egyptologie, etc.*): 14 rue Paul Déroulède, Bois-Colombes (Seine); f. 1929; 3,700 mems.; Admin. (vacant); Librarian NELLA TOUSSAINT; publ. *Bulletin des Sommaires des 510 périodiques mondiaux et des livres reçus à la bibliotheque du Centre* (twice monthly). *Index* (annual).

Société Historique, Archéologique et Littéraire de Lyon: Mairie Centrale de Lyon (Rhône); f. 1807; Pres. P. GARDETTE; Sec. H. HOURS; publ. *Bulletin.*

INTERNATIONAL CULTURAL RELATIONS

Alliance Française: 101 boulevard Raspail, Paris VI; f. 1884; the oldest-established and most modern French language school for foreigners; Pres. (Vacant); Sec.-Gen. MARC BLANCPAIN; Dir. of the School MAURICE BRUÉZIÈRE.

Association France-Canada: 120 bd. Raspail, Paris 6e.

Association France-Grande-Bretagne: 16 rue de la Ville l'Evèque, Paris 8e; f. 1916.

British Council: 36 rue des Ecoles, Paris 5e; Representative R. P. HINKS.

Centre d'Information du Proche-Orient: 62 rue Lhomond, Paris 5e.

Colegio de España en la Ciudad Universitaria: 9 Boulevard Jourdan, Paris.

Comité Chrétien d'Entente France-Islam: 21 rue Monsieur, Paris 7e.

Comité France-Turquie: 25 rue Jean-Goujon, Paris 8e.

Comité France-Amérique: 9 avenue Franklin-Roosevelt, Paris 8e.

Comité France-Belgique-Luxembourg: 12 bis rue Pergolese, Paris 16e.

Comité de l'Expansion Culturelle de la France d'Outre-mer: 73 bis quai d'Orsay, Paris 7e.

Deutsche Historische Forschungsstelle: 5 rue du Havre, Paris. Dir. Prof. Dr. EUGEN EWIG.

Direction de la Coopération avec la Communauté et l'Etranger: 55 rue Saint Dominique, Paris 7e; Dir. M. STÉPHANE HESSEL.

Goethe Institut: 31 rue de Condé, Paris; Dir. OTTOMAR WILLEKE.

Institut Autrichien de Paris: 30 Boulevard des Invalides, Paris 7e; Dir. COCRON FRIEDRICH, PH.DR.

Institut Collégial Européen, dit de Royaumont: Secretariat: 4 rue des Princes, Boulogne-sur-Seine (Seine); Dir. GILBERT GADOFFRE.

Institut Néerlandais: 121 rue de Lille, Paris 7e.

Istituto Italiano di Cultura: 50 rue de Varenne, Paris 7e; Dir. Prof. LUIGI FERRARINO; publ. *Notiziario Culturale Italiano* (monthly).

U.S. Information Centers: 1 Place de l'Odeon and 3 rue du Dragon; 4 brs. outside Paris.

LAW

Société de Législation Comparée (CSSF): 28 rue St. Guillaume, Paris VII; f. 1869; library of 80,000 vols.; 1,500 members; Gen. Sec. ANGE BLONDEAU; Publs. *Revue Internationale de Droit Comparé.*

Société d'Histoire du Droit (CSSF): 22 rue Soufflot, Paris V; f. 1913; 275 members; Pres. Prof. PIERRE PETOT; Sec. (Vacant); publs. *Chartes de franchises de la France, Recueils de jurisprudence du Moyen-Age,* etc.

LITERATURE

Académie de Franche-Poésie: 3 square La Fontaine, Paris XVI; f. 1919; supervises the *Oeuvre Nationale des Etudes Poétiques;* comprises an école de poésie, a library and a salon; Pres. MARTIN-SAINT-RENÉ; Publ. *Les Etudes Poétiques* (monthly).

Académie Goncourt: 6 rue Jean Goujon, Paris 8e (President's address); f. 1896 by Edmond de Goncourt; composed of 10 members; members: ROLAND DORGELÈS (1929) (Pres.), ANDRÉ BILLY (1944), ALEXANDRE ARNOUX (1947), GÉRARD BAUER (1948) (Sec.), PHILIPPE HÉRIAT (1949), ARMAND SALACROU (1949), PIERRE MAC-ORLAN (1950), RAYMOND GUENEAU (1951), JEAN GIONO (1954), HERVÉ BAZIN (1958). The prize (5,000 francs) awarded at the end of each year by the Academy is regarded as a very high literary distinction.

Académie des Lettres et des Arts: 12 rue Cortot, Paris 18e; f. March 20th, 1947; 11 mems.; awards the Prix de Paris; Sec.-Gen. PAUL YAKI.

Académie Mallarmé: 43 rue du Faubourg, Saint-Honoré, Paris VIII; Pres. GÉRARD D'HOUVILLE; Sec.-Gen. HENRY CHARPENTIER; Members: PIERRE CAMO, F. CARCO, H. CHARPENTIER, P. FORT, GÉRARD D'HOUVILLE, A. MARY, H. MONDOR, F. DE MIOMANDRE, V. MUSELLI, J. RIBEMONT DESSAUINE.

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Académie Montaigne: Le Doyenné, Sillé-le-Guillaume (Sarthe); f. 1924; for the study of literature, awards an annual prize for research; 20 members elected in secret session; Sec. CONSTANT HUBERT.

Académie Ronsard: 79 avenue Henri Martin, Paris XVI; f. 1946; limited membership of 33 French men and women and 11 foreigners; Pres. ANDRÉ FOULON DE VAUX; Vice-Pres. Mme GEORGE DAY; Sec.-Gen. RENÉ CHALUPT.

Association des Ecrivains Combattants: 8 rue Roquépine, Paris VIII; f. 1919; 470 members; Pres. PIERRE CHANLAINE; Sec. MAURICE-CH. RENARD; Publ. *Bulletin*.

Association des Ecrivains d'Expression Française de la Mer et de l'Outre-Mer: 41 rue de la Bienfaisance, Paris VIII; f. 1926; to unite French and foreign writers of colonial and maritime books in French; 700 mems.; presents four prizes annually; Pres. JEAN D'ESME; Sec.-Gen. M. VALLY.

Maison de Poésie (*Fondation Emile Blémont*): 11-*bis*, rue Ballu, Paris IX; Pres. Mme. GEORGE-DAY. Has a library of 16,000 vols.; annual prizes: Prix Petitdidier (30,000 francs), Prix Emile Blémont (10,000 francs), Prix Paul Verlaine (10,000 francs), Prix Edgar Poe (10,000 francs), Prix Gabriel Vicaire (10,000 francs), Prix Léon Riotor (10,000 francs), Prix Van Lerberghe (10,000 francs).

P.E.N. Maison Internationale: 66 rue Pierre Charron, Paris VIII; f. 1936; Gen. Sec. JEAN DE BEER; Publ. *Bulletin* (every two months).

Société des Auteurs et Compositeurs Dramatiques: II-*bis* rue Ballu, Paris 9e; f. 1791; Hon. Pres. CHARLES MÉRÉ, ROGER FERDINAND; Hon. Vice-Pres. ANDRÉ MOUEZY-EON; Pres. ARMAND SALACROU; Vice-Pres. RAYMOND BERNARD, HENRI BUSSER, MARC-CAB, SERGE VEBER; Members JEAN-JACQUES BERNARD, HENRI BETTI, PAUL COLLINE, JEAN DELANNOY, PIERRE DUMAYET, MICHEL DURAN, ARMAND LANOUX, ALFRED MACHARD, RAOUL PRAXY, SAINT-GRANIER, MAURICE YVAIN.

Société des Gens de Lettres: Hotel de Massa, 38 rue du Fg. Saint-Jacques, Paris XIV; f. 1838; Gen. Sec. Mme GEORGE-DAY.

Société d'Histoire Littéraire de la France (CSSF): 18 rue de l'Abbé-de-l'Epée, Paris V; f. 1894; 105 members; Pres. (Vacant); Sec. J. POMMIER; publ. *Revue d'Histoire Littéraire de la France* (quarterly).

Société des Poètes Français: 15 rue Plumet, Paris XV; f. 1902; 1,300 members; presents prizes annually; Sec.-Gen. ROBERT LACROIX DE L'ISLE; Publ. *Bulletin Annuel*.

Syndicat des Critiques Littéraires: Hotel de Soc. des Gens de Lettres, 38 rue du Faubourg Saint-Jacques, Paris XIV; f. Jan. 1949; 132 mems.; Pres. YVES GANDON; Sec. RENÉ GROOS; Publ. *Bulletin du Syndicat*.

Union Nationale des Intellectuels (UNI): 2 rue de l'Elysée, Paris VIII; aims at the federation of all intellectual societies and holds an annual congress for the purpose; Hon. Pres. GEORGES DUHAMEL; Pres. JEAN CASSOU.

MATHEMATICS

Comité National Français de Mathématiciens: 11 rue Pierre Curie, Paris V; f. 1950; Pres. P. MONTEL; Secs. M. BRELOT, P. BELGODÈRE.

Association des Professeurs de Mathématiques de l'Enseignement Public (CSSF): Musée Pédagogique, 29 rue d'Ulm, Paris V; f. 1910; 1,800 members; Pres. A. MONJALLON. Publ. *Bulletin* (quarterly).

Fédération Française des Sociétés de Mathématiques (CSSF): 11 rue Pierre Curie, Paris V; f. 1947; Sec. P. BELGODÈRE.

Société Mathématique de France (CSSF): 11 rue Pierre Curie, Paris V; f. 1873; 950 mems.; Pres. P. LELONG; Secs. J. LERAY, C. RUMIEU, P. BELGODÈRE; publ. *Bulletin* (quarterly).

Union des Professeurs de Spéciales (CSSF): Musée Pédagogique, 29 rue d'Ulm, Paris V; f. 1928; Sec. M. THÉRON; Sec. M. JOCKEY.

MEDICINE

Société de Médecine de Paris: 60 Bd. de Latour Maubourg, Paris 7e; f. 1796; Sec.-Gen. Dr. BECART; Publs. *Bulletin* and *Mémoires*.

Société Française d'Histoire de la Médecine: 4 rue Aubriot, Paris IV; f. 1902; Gen. Sec. Dr. ANDRÉ PECKER; Publ. *Histoire de la Médecine* (monthly).

Société de Médecine Légale de France: Palais de Justice, 4 boulevard du Palais, Paris 1er; f. 1868; Pres. M. PIÉDELIÈVRE; Sec. M. DÉROBERT; Publs. *Annales de médecine légale, de criminologie et de police scientifique*.

Société d'Ophtalmologie de Paris: 2 rue de Meissonier, Paris 17e; f. 1888; Sec.-Gen. Dr. GUILLAUMAT; Publ. *Bulletin*.

Association pour le Développement des Relations Medicales entre la France et les Pays Etrangers: 12 rue Ecole de Médicine, Paris 6e.

Association Française de Chirurgie: 12 rue de Seine, Paris VI; f. 1884; Sec. M. SÉNÈQUE.

Association Française pour l'Etude du Cancer: 15 rue de Bourgogne, Paris 7e; f. 1906; 350 members; Sec.-Gen. Dr. SIMONE LABORDE; Publ. *Bulletin de l'Association*.

Association Générale des Médecins de France: 60 boulevard de Latour Maubourg, Paris VII; Pres. P. BAUDOUIN; Sec. Dr. TOUCHARD.

Comité National de Défense contre la Tuberculose: 66 boulevard Saint-Michel, Paris VI; f. 1916; 7,350 members; Dir.-Gen. M. PILOD; Publ. *Revue de la Tuberculose et de Pneumologie*.

Confédération des Syndicats Médicaux Français: 60 boulevard de Latour Maubourg, Paris VII; f. 1930; 30,000 members; Pres. Dr. J. JONCHÈRES; Sec.-Gen. Dr. P. A. DEBUIRRE; Publs. *Bulletin, Le Médecin de France*.

Société de Dermatologie et Syphiligraphie: 37 rue Galilée, Paris XVI; Pres. M. GASTINEL; Sec. M. DEGOS.

Société d'Endocrinologie: 86 rue de Varenne, Paris VII; Pres. GUY LAROCHE; Sec. M. DECOURT.

Société Française de la Tuberculose: 66 boulevard Saint-Michel, Paris VI; Pres. Prof. VAUCHER; Sec. M. COURCOUX.

Société de Gynécologie et d'Obstétrique: Pres. M. LÉVY-SOLAL, 33 avenue Georges-Mandel, Paris XVI.

Société d'Histoire de la Pharmacie: 4 avenue de l'Observatoire, Paris VI; f. 1913; 1,100 mems.; Pres. M. BOUVET; Sec. M. GUITARD; publ. *Revue d'Histoire de la Pharmacie* (quarterly).

Société de Médecine Publique et de Génie Sanitaire: Institut Pasteur, 25–28 rue du Dr. Roux, Paris XV; Sec.-Gen. Dr. PETIT-MAIRE (1 rue de Tilsitt, Paris VIII).

Société Française de Neurologie: 12 rue de Seine, Paris VI; Pres. M. I. BERTRAND; Sec. M. SIGWALD.

Société d'Odontologie de Paris: Ecole Dentaire de Paris, 45 rue de La Tour d'Auvergne, Paris IX; f. 1880; 1,100 mems.; Pres. B. BECK; Gen. Sec. H. SAHEL; publ. *Revue Française d'Odonto-Stomatologie* (monthly).

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Société Française de Pédiatrie: 149 rue de Sèvres, Paris XV; Pres. Prof. PAUL GIRAUD; Sec.-Gen. Prof. MAURICE LAMY.

Société de Stomatologie de France: 20 passage Dauphine, Paris VI; Sec.-Gen. Dr. R. BATAILLE.

Société des Chirurgiens de Paris: 60 boulevard de Latour Maubourg, Paris VII; f. 1909; 105 members; Sec.-Gen. Dr. JACQUES PETIT.

Société d'Acupuncture: 16 rue Théodore de Banville, Paris 17e; f. 1945; 315 members; Pres. Dr. R. BRUNET; Sec. Dr. G. GRALL; publ. *Bulletin* (quarterly).

Société Française d'Anesthésie et Analgésie: 12 rue de Seine, Paris VI; Sec. M. BOUREAU; Publ. *Anesthésie et Analgésie.*

Société Française d'Angéiologie et d'Histopathologie: 4 rue Pasquier, Paris VIII; f. 1947; 300 members; Sec. Dr. LOUIS GERSON; Publ. *Angéiologie* (every two months).

Société Française de Biologie Clinique: Laboratoire de Chimie, Faculté de Médecine, 45 rue des Saints Péres, Paris VI; Sec. Prof. P. DESGREZ.

Société Française de Cardiologie: 32 rue de Penthièvre, Paris VIII; f. 1936; Sec. M. MOUQUIN; Publ. *Archives des Maladies du Coeur* (monthly).

Société de Chirurgie Thoracique de Langue Française: 15 rue Saint-Benoit, Paris VIe; Pres. FÉLIX MAGNIN; Sec.-Gen. JEAN-JACQUES GALEY.

Société Française d'Electroradiologie Médicale: 12 rue de Seine, Paris VI; f. 1909; 950 members; Sec. M. DARIAUX; Publ. *Journal de Radiologie.*

Société Française de Gynécologie: 1 rue Jules Lefebvre, Paris IX; Pres. M. ANDRÉ CHALIER; Perm. Sec. M FABRE.

Société Française d'Hématologie: 96 rue Didot, Paris XIV; Pres. R. CATTAN; Sec. JEAN BERNARD (86 rue d'Assas, Paris VI).

Société Française d'Orthopédie et de Traumatologie: Secrétariat: Pavillon Ollier, Hôpital Cochin, 27 rue du Faubourg Saint-Jacques, Paris 14e; Pres. J. CABANAC; publ. *Revue de Chirurgie Orthopédique.*

Société Française d'Oto-Rhino-Laryngologie: 17-19 rue de Buci, Paris VI; f. 1880; 900 members; Pres. Prof. GEORGES PORTMANN; Sec. Dr. FLURIN; Publs. *Comptes Rendus* and *Rapports Discutés au Congrès.*

Société Française de Pathologie Respiratoire: 66 boulevard Saint-Michel, Paris V; Pres. M. AMEUILLE; Sec. M. EVEN.

Société Française de Phoniatrie: Pres. M. AUBRY; Sec. J. C. LAFON (St. Rambert, l'Ile-Barbe, Rhône).

Société Française d'Urologie: 6 avenue Constant Coquelin, Paris VII; f. 1919; 50 mems.; Sec.-Gen. Dr. BOISSONNAT; publ. *Journal d'Urologie.*

Société Médicale des Hôpitaux de Paris: 12 rue de Seine, Paris VI; Sec. TH. BERTRAND-FONTAINE; Publ. *Bulletins et Mémoires.*

Société Médico-Chirurgicale des Hôpitaux Libres: 27 rue George Sand, Paris XVI; Pres. R. HEIM DE BALSAC; Secs. MM. DELORT, HUET and MARTINY.

Société Médico-Psychologique: 12 rue de Seine, Paris VI; f. 1852; 310 members; Sec.-Gen. Dr. PAUL ABELY; Publ. *Annales médico-psychologiques* (monthly).

Société Nationale Française de Gastro-Entérologie: 12 rue de Seine, Paris VI; Sec. A. BUSSON.

Société Scientifique d'Hygiène Alimentaire (CSSF): 16 rue de l'Estrapade, Paris V; f. 1904; 1,182 mems.; Gen. Sec. E. DAUTHY; publ. *L'Alimentation et la Vie* (quarterly).

Société Française d'Hydrologie et de Climatologie Médicales: 1 rue de Tilsitt, Paris VIII; Sec.-Gen. J. PASSA: 94 rue Jouffroy, Paris 17e.

Société d'Hygiène Publique et Sociale: Sec. M. GUILLERD, 30 avenue Reille, Paris XIV.

Association Française d'Urologie: 74 avenue la Bourdonnais, Paris 7e; f. 1896; 403 mems.; Hon. Pres. R. GOUVERNEUR; Pres. J. CIBERT; Vice-Pres. R. COUVELAIRE; Sec.-Gen. P. DELINOTTE; publ. *Mémoires* (annually).

Societé de Phlébologie: 63 Boulevard des Invalides, Paris; f. 1947; 800 mems.; Pres. PIERRE SICARD; Sec.-Gen. RAYMOND TOURNAY; publ. *Bulletin* (quarterly).

Société de Médecine de Strasbourg: Faculté de Médecine, Strasbourg (Bas-Rhin); f. 1919; 450 mems.; organises medical conferences; Sec.-Gen. E. FORSTER; Publ. monthly bulletin.

Syndicat National des Médecins Electro-Radiologistes Qualifiés: 60 Boulevard de Latour-Maubourg, Paris 7e; f. 1907; 900 members; Pres. Dr. ROBERT COLIEZ; Sec. Dr. CH. PROUX; Publ. *Bulletin.*

MUSIC

Association des Concerts Poulet: 252 Fg. St. Honoré, Paris VIII; Pres. GUSTAVE CLOEN; Sec. M. STAHL.

Entr'aide Dramatique et Lyrique: 53 Fg. St. Martin, Paris X; f. 1934 to give pecuniary assistance and encouragement to writers, composers and students of music; Pres. FRANCIS CASADESUS; Sec.-Gen. M. CUSTY.

Société J. S. Bach: 95 rue de Vaugirard, Paris VI; Founder and Dir. GUSTAVE BRET.

Société Nationale de Musique: 45 rue de la Boétie, Paris VIII; f. 1871; 135 members; Pres. LOUIS AUBERT; Sec. HENRI MARTELLI.

Jeunesses Musicales de France: 11 avenue Delcassé, Paris 8e.

Union des Femmes Artistes Musiciennes: 77 avenue Raymond Poincaré, Paris XVI; f. 1910; Pres. LUCY TASSART; Sec.-Gen. JEANNE RENÉ MUSNIER; Artistic Dir. GEORGES DE LAUSNAY.

NATURAL SCIENCES

Fédération Française des Sociétés des Sciences Naturelles: 57 rue Cuvier, Paris 5e; f. 1919; groups 106 societies; Pres. Dr. MARCERON; Gen. Sec. Prof. VAYSSIÈRE; Publs. *L'Année Biologique, Faune de France.*

Naturalistes Parisiens, Les: 57 rue Cuvier, Paris V; f. 1904; 600 members; exists to undertake research in natural history and deepen the scientific knowledge of its members; Sec. C. DUPUIS; Publs. *Cahiers des Naturalistes, Bulletin des Naturalistes Parisiens* (bi-monthly).

ORIENTAL STUDIES

Société Asiatique: 1 rue de Seine, Paris VI; f. 1822; library of 40,000 vols.; 500 members; Pres. CH. VIROLLEAUD; Vice-Pres. H. MASSÉ and L. RENOU; Sec. J. FILLIOZAT; Publs. *Journal Asiatique, Cahiers*; Dir. MARCELLE LALOU.

Société des Etudes Juives (CSSF): 20 rue la Baume, Paris 8e; f. 1880; Gen. Sec. GEORGES VAJDA; publ. *Revue des Etudes Juives.*

PHILOLOGY

Société des Anciens Textes Français (CSSF): 19 rue de la Sorbonne, Paris V; f. 1875; 800 members; Pres. Prof. P. LE GENTIL; Dir. Prof. F. LECOY; Gen. Sec. Prof. J. MONFRIN; publs. old French texts.

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Société de Linguistique de Paris (CSSF): Ecole des Hautes Etudes, Sorbonne, 47 rue des Ecoles, Paris V; f. 1864; 700 members; Sec. Prof. E. BENVENISTE; Admin. Prof. J. PERROT; publs. *Collection Linguistique, Bulletin.*

PHILOSOPHY, PSYCHOLOGY

Société Française de Philosophie (CSSF): 12 rue Colbert, Paris 2e; f. 1893; 180 mems.; Pres. JEAN WAHL; Vice-Pres. H. GOUHIER; Sec.-Gen. SUZ. DELORME; Publs. *Bulletin, Revue de Métaphysique et de Morale.*

Société Française de Psychologie (CSSF): à la Sorbonne, 46 rue Saint Jacques, Paris 5e; f. 1901, reorganised in 1920; 100 elected members, 400 associates and correspondents; Sec.-Gen. M. REUCHLIN; Publ. *Psychologie Française.*

PHYSICS

Fédération Française des Sociétés de Physique (CSSF): 8 avenue Pierre Larousse, Malakoff, Seine; f. 1920; 8 affiliated societies and 14,075 members; Pres. M. BEDEAU; Gen. Sec. M. MATHIEU; Publs. *Journal de Physique, L'Astronomie, Bulletin de la Société française des Electriciens, Union des Physiciens, L'Onde Electrique, Revue de la Société de Photographie, La Météorologie.*

Société Française de Physique (CSSF): 44 rue de Rennes, Paris VI; f. 1873; 1,700 mems.; Pres. (1961) J. P. MATHIEU; Gen. Sec. P. AIGRAIN; publs. *Bulletin, Le Journal de Physique et de Radium, Catalogue Annuel des Matériel Scientifique.*

Union des Physiciens (CSSF): 44 Bd. Saint-Michel, Paris VI; f. 1906; 3,000 mems.; Pres. Prof. M. EURIN; publ. *Bulletin* (bi-monthly).

SOCIOLOGY

Société de Sociologie de Paris: 28 rue Serpente, Paris VI; Pres. CH. RABANY; Publ. *Revue Internationale de Sociologie.*

Institut Français de Sociologie (CSSF): at the Sorbonne; 17 rue de la Sorbonne, Paris V; f. 1924; Pres. GEORGES LUTFALLA; Vice-Pres. GEORGES DUVEAU; Sec. LÉON SÉROR; Publ. *Année Sociologique.*

TECHNOLOGY

Association des Chimistes de l'Industrie Textile: 28 rue Saint-Dominique, Paris VII; f. 1910; 1,500 members; Sec. M. RINGEISSEN; Publ. *Revue Teintex.*

Association des Chimistes et Ingénieurs de Sucrerie, Distillerie et Industries Agricoles: 156 boulevard de Magenta, Paris X; f. 1883; library of 8,000 vols.; 2,000 members; Sec. R. GALLOIS; Publ. *Industries Agricoles et Alimentaires* (monthly).

Association Française du Froid: 129 Bd. St.-Germain, Paris VI; f. 1908; Pres. A. DULIN; Sec.-Gen. MICHEL ANQUEZ; Publ. *Revue Générale du Froid.*

Association Française des Ingénieurs, Chimistes et Techniciens des Industries du Cuir: 181-203 avenue Jean Jaurès, Lyon 7e (Rhône); f. 1939; 500 mems.; Sec.-Gen. R. DURAND-AYMÉ; publ. *Documents et Informations.*

Association des Ingénieurs des Industries Agricoles: 11 rue Tronchet, Paris VIII; 1,000 members; Pres. P. DEVOS; Sec.-Gen. M. PRUD'HOMME; Publ. *Industries Agricoles et Alimentaires* (monthly).

Société des Ingénieurs Civils de France: 19 rue Blanche, Paris IX; f. 1848; 10,000 members; Deputy Dir. GEORGES VILLE; Publ. *Mémoires de la Société* (eleven times a year).

Société Française des Electriciens (CSSF): 8-14 avenue Pierre Larousse, Malakoff (Seine); f. 1883; 6,200 mems.; Gen. Sec. J. KERALY; publ. *Bulletin.*

Société Française des Mécaniciens: 209 Boulevard Saint-Germain, Paris VII; Gen. Sec. M. POIRSON.

Société Technique des Parfumeurs de France: 28 rue Saint-Dominique, Paris VII; f. 1945; Sec.-Gen. RENÉ CORNON.

Société Française des Electroniciens et des Radioélectriciens: 10 avenue Pierre-Larousse, Malakoff (Seine); Sec. G. A. FLAMBARD.

ZOOLOGY

Société Zoologique de France (CSSF): 195 rue St. Jacques, Paris V; f. 1876; 450 members; Pres. Prof. FISCHER; Gen. Sec. L. BERLAND; Publs. *Bulletin de la Société Zoologique de France.*

Société Ornithologique de France: Secretariat and Library, 55 rue de Buffon, Paris V; f. 1909; Gen. Sec. R. D. ETCHÉCOPAR; Publs. *L'Oiseau et La Revue Française d'Ornithologie, Bulletin de la Société* and *Mémoires.*

Société Centrale d'Aquiculture et de Pêche (CSSF): 14 avenue de St. Mandé, Paris 12e; f. 1889; 291 members; Pres. Prof. G. BRESSE; Sec. J. SPILLMANN; Treas. G. M. PRIOUX; Archivist-Librarian G. PERCHE.

Société Entomologique de France: 16 rue Claude Bernard, Paris V; f. 1832; Gen. Sec. J. BOURGOGNE; 750 members, the most important entomological library in Europe, 80 entomological periodicals, 40,000 vols.; Publs. *Annales* and *Bulletin.*

Société d'Etudes Ornithologiques: 1 rue Victor-Cousin, Paris V; Sec. M. HEIM DE BALSAC.

RESEARCH INSTITUTES

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

15 QUAI ANATOLE FRANCE, PARIS VII

Founded 1939.

Organisation. The CNRS is organised by the *Comité Interministériel de la Recherche scientifique et technique,* which proposes to the Government means of doing research and how to allocate funds. The *Comité National de la Recherche scientifique* forms the policy of the CNRS and controls 32 sections of 20 members each, covering the Natural Sciences and the Humanities.

Objects.

1. To co-ordinate and promote scientific research in all fields.
2. To make grants-in-aid to scientific bodies and to individuals to enable them to carry out research work.
3. To subsidise or set up laboratories for pure or applied research.

Director-General: JEAN COULOMB, Professor in the Faculté des Sciences de Paris.

Natural Sciences: P. DRACH.

Human Sciences: M. LEJEUNE.

Centre de documentation: 15 Quai Anatole France, Paris 7e; Dir. J. WYART. Library of 10,000 vols., 10,000 technical and scientific periodicals; publs. *Bulletin Signalétique* (monthly), *Annales de la Nutrition et de l'Alimentation* (two-monthly), *Archives des Sciences Physiologiques* (quarterly), *Annales d'Astrophysique* (two-monthly), *Annales de Géophysique* (quarterly), *Le*

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journal des Recherches-Laboratoires de Bellevue (quarterly), *Archives de Zoologie Expérimentale* (quarterly), *Annales de Spéléologie* (quarterly), *Groupe Français des Argiles* (annually), *Cahier du Groupe Français d'Etudes de Rhéologie* (annually), *Annuaire Français de Droit International, Archives de Sociologie des Religions* (bi-annually), *Bulletin d'Information de l'Institut de Recherche et d'Histoire des Textes* (annually), *Cahiers du Séminaire d'Econométrie* (annually), *Bulletin du Service de la Carte Phytogéographique* (bi-annually), *Annuaire de la Législation française et étrangère, Bibliographie annuelle de l'Histoire de France, Mémoires et Documents du Centre de Documentation Cartographique et Géographique, Bibliographie Géographique Internationale.*

CNRS RESEARCH CENTRES

A. Groupe des Laboratoires de Bellevue: 1 place Aristide Briand, Bellevue (Seine-et-Oise); f. 1938; Dir.-Gen. A. J. ROSE.

Astronomy and Geology

Laboratoire de Physique de la Basse Atmosphere: Dir. P. QUENEY.

Laboratoire de Géologie du Quaternaire: Dir. Mlle ALIMEN.

Physics

Laboratoire des Rayons X: Dir. J. J. TRILLAT.

Laboratoire Aimé Cotton, Laboratoire du Grand Electro Aimant et des Basses Températures: Dir. P. JACQUINOT.

Laboratoire de Cristallographie: Dir. C. RERAT.

Laboratoire d'Aérothermique: 4 ter route des Gardes, Meudon; Dir. ED. BRUN.

Laboratoire des Hautes Pressions: Dir. B. VODAR.

Laboratoire des Echanges Thermiques: Dir. F. CABANNES.

Laboratoire de Physique du Froid et Service d'Essai: 4 ter route des Gardes, Bellevue; Dir. P. LAINE.

Laboratoire du Magnétisme et de Physique du Solide: Dir. CH. GUILLAUD.

Chemistry

Laboratoire d'Electrolyse: 9 rue Emile, Bellevue; Dir. BONNEMAY.

Centre d'Electrophorèse: 13 rue Pierre Curie, Paris 5e; Dir. M. BONNEMAY.

Laboratoire de Chimie des Radiations: Dir. M. MAGAT.

Laboratoire de Recherches sur les Terres Rares: Dir. F. TROMBE.

Centre d'Etudes et de Recherches de Chimie Organique Appliquée: Dir. P. RUMPF.

Laboratoire de Lipochimie: Dir. PH. PAQUOT.

Laboratoire de Chimie Moléculaire: Dir. J. PETIT.

Biology

Station Centrale d'Ultracentifugation: 13 rue Pierre Curie, Paris 5e; Dir. Mme S. FILITTI-WURMSER.

Centre de Recherches sur la Nutrition: 9 rue Emile, Bellevue; Dir. R. JACQUOT.

Laboratoire de Biologie Végétale de la Station du Froid: 4 ter route des Gardes, Meudon; Dir. R. ULRICH.

B. Centre de Recherches Physiques: 31 Chemin Joseph Aiguier, Marseille (Bouches-du-Rhône); f. 1941; Dir. TH. VOGEL.

Laboratoire d'Acoustique: Dir. TH. VOGEL.

Structure des Corps Cristallins: Dir. R. MICHAUD.

C. Centre de Recherches Nucléaires: rue du Loess, Strasbourg-Cronenbourg (Bas-Rhin); f. 1957.

Département de Physique Nucléaire: Dir. S. GORODETZKY.

Département de Physique Corpusculaire: Dir. P. CUER.

Département de Chimie Nucléaire: Dir. MELLE M. PEREY.

Département des Applications Biologiques: Dir. J. H. VIVIEN.

D. Groupe des Laboratoires de Gif-sur-Yvette: Gif-sur-Yvette (Seine-et-Oise).

Centre des Faibles radioactivités: f. 1955; by the C.N.R.S. and the Commissariat à l'Energie Atomique; Dir. L BUGNARD.

Centre de Recherches Hydrobiologiques: f. 1946; Dir. M LEFÈVRE.

Laboratoire de Génitique Physiologique: f. 1946; Dir. B. EPHRUSSI.

Laboratoire de Génétique des Virus: f. 1946; Dir. PH. L'HÉRITIER.

Laboratoire de Génétique Evolutive et de Biométrie: f. 1946; Dir. G. TEISSIER.

Laboratoire de Photobiologie: f. 1957; Dir. J. BENOIT.

Laboratoire de Photosynthèse: f. 1953; Dir. A. MOYSE.

Laboratoire d'Enzymologie: f. 1959; Dir. G. COHEN.

Laboratoire du Phytotron: f. 1957; Dir. P. CHOUARD.

Centre de Sélection des Animaux de Laboratoire: f. 1953; Dir. M. SABOURDY.

Institut de Chimie des Substances Naturelles: f. 1959; Dirs. M. JANOT and E. LEDERER.

E. Laboratoires de Sciences Mathematiques, Physico-Chimiques, Biologiques et Naturelles.

Mathematics

Institut de Calcul "Blaise Pascal": 25-39 avenue de la Division Leclerc, Châtillon-sous-Bagneux (Seine); f. 1945; Dir. J. PÉRÈS.

Centre d'Etudes pour la Traduction Automatique: Fort de Montrouge, B.P. No. 16, Arcueil, Paris and 44-46 Avenue Félix Viallet, Grenoble; Dirs. MM. SESTIER and VANQUOIS.

Laboratoires d'Analogies Electriques: Dir. L. MALAVARD.

Laboratoire de Calcul Numérique: Bâtiment H. Poincaré, 11 rue Pierre Curie, Paris 5e; Dir. R. DE POSSEL.

Section d'Automatique Documentaire: Pavillon de Flore, Palais du Louvre, Paris 1er; f. 1960; Dir. Dr. J. C. GARDIN.

Séminaires d'Econométrie: f. 1947; Dirs. M. ALLAIS, H. EYRAUD, R. ROY.

Institut Henri Poincaré: 11 rue Pierre Curie, Paris 5e.

Institut de Science financière et d'Assurances: 15 Quai Cl. Bernard, Lyon 7e.

Centre de Mécanique Ondulatoire Appliquée: 155 rue de Sèvres, Paris 15e; f. 1957; Dir. R. DAUDEL.

Astronomy and Geology

Institut d'Astrophysique: 98-*bis* boulevard Arago, Paris 14e; f. 1936; Dir. A. DANJON.

Observatoire de Haute-Provence: Saint-Michel-l'Observatoire (Basses-Alpes); f. 1937; Dir. Prof. J. DUFAY.

Service des Mouvements Propres Stellaires: f. 1947; sections in observatories in Paris, Bordeaux and Toulouse.

Service d'Aeronomie et de Physique Cosmique: Observatoire de Meudon; f. 1958; Dir. P. AUGER.

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Centre d'Etudes Géophysiques: Garchy-Suilly (Nièvre); f. 1953; Dir. L. CAGNIARD.

Laboratoire de l'Aiguille du Midi: Chamonix, Haute-Savoie; f. 1942; Dir. L. LLIBOUTRY.

Centre de Recherches Pétrographiques et Géochimiques de Nancy: 94 av. de Lattre de Tassigny, Nancy; f. 1953; Dir. M. ROUBAULT.

Centre de Pédologie biologique: Nancy-Vandoeuvre, B.P. 682, Nancy; Dir. P. DUCHAUFOUR.

Centre de Recherches sur les Zones Arides: Beni-Abbes (La Saoura); f. 1945; Dir. J. MARCAIS.

Centre de Sédimentologie et de Géochimie de la Surface: 1 rue Blessig, Strasbourg; Dir. G. MILLOT.

Physics

Laboratoire d'Electrostatique et de Physique du Métal: Institut Fourier, place du Doyen Gosse, Grenoble (Isère); f. 1946; Dir. L. NÉEL.

Laboratoire de Recherches sur les très basses Températures: Chemin des Martyrs, Grenoble; Dir. L. WEIL.

Laboratoire de Synthese Atomique et d'Optique Protonique: 67 rue Maurice Günsbourg, Ivry (Seine); f. 1937; Dir. C. MAGNAN.

Laboratoire d'Optique Electronique de Toulouse: 29 rue Jeanne Marvig, Toulouse (Haute-Garonne); f. 1949; Dir. G. DUPOUY.

Laboratoire de l'Horloge Atomique: Ecole Normale Supérieure, 24 rue Lhomond, Paris and 32 rue Mégevand, Besançon; f. 1957; Dir. A. KASTLER.

Laboratoire des Verres: 3 Boulevard Pasteur, Paris 15 ème (Convention with L'Institut d'Optique 1961).

Centre de Spectrométrie Nucléaire et de Spectométrie de Masse: 15 rue Georges Clémenceau, Orsay (Seine-et-Oise); Dir. M. VALADARES.

Centre de Physique et de Chimie Colloïdales: Faculté de Pharmacie, Avenue Charles Flahaut, Montpellier; Dir. J. GUASTALLA.

Chemistry

Centre d'Etudes de Chimie Métallurgique: 15 rue Georges Urbain, Vitry (Seine); f. 1936; Dir. A. MICHEL.

Laboratoire de l'Energie Solaire: Fort de Montlouis (Pyrénées-Orientales); f. 1950; Dir. F. TROMBE.

Centre de Recherches sur les Macromolécules de Strasbourg: 6 rue Boussingault, Strasbourg; f. 1947; Dir. CH. SADRON.

Institut de Microcalorimetrie et Thermogénèse de Marseille: 35 rue de Turenne, Marseille; f. 1959; Dir. E. CALVET.

Institut de Recherches sur la Catalyse: Boul. de l'Hippodrome, Villeurbanne; f. 1958; Dir. M. PRETTRE.

Laboratoire de l'Energie Solaire: Mont-Louis (P.O.); f. 1950.

Laboratoire des Gaz: Faculté de Pharmacie, 4 av. de l'Observatoire, Paris 6e; f. 1958; Dir. M. CHAIGNEAU.

Laboratoire de Recherches sur le Feu: Route de Noisy Champs/Marne (S. & M.); f. 1957; Dir. P. POULAIN.

Service Central de Microanalyse: Laboratoire Municipal, 39 *bis* rue de Dantzig, Paris 15e; f. 1958; Dir. R. LEVY.

Biology

Laboratoire d'Embryologie et Tératologie Expérimentales: Annexe du Collège de France, 49-*bis* avenue Belle Gabrielle, Nogent-sur-Marne (Seine); f. 1947; Dir. E. WOLFF.

Centre d'Etudes d'Océanographie et de Biologie Marine: Roscoff (Finistère); f. 1946; Dir. G. TEISSIER.

Centre de Morphologie Expérimentale de Bordeaux: 40 rue Lamartine, Talence (Gironde); f. 1946; Dir. M. AVEL.

Laboratoire Souterrain du C.N.R.S.: Grotte de Moulis (Ariège); f. 1948; Dir. A. VANDEL.

Laboratoire de Biométrie Humaine: 41 rue Gay Lussac, Paris 5e; f. 1945; Dir. C. SOULA.

Laboratoire de Physiologie de Travail: 41 rue Gay-Lussac, Paris 5e; Dir. J. SCHERRER.

Laboratoire de Microscopie Electronique Appliquée à la Biologie: 105 Bd. Raspail, Paris 6e; f. 1956; Dir. P. GRASSE.

Centre d'Etudes Bioclimatiques: Laboratoire de Physiologie Appliquée, 1 Place de l'Hôpital, Strasbourg; Dir. B. METZ.

Centre d'Etudes de Physiologie Nerveuse et d'Electrophysiologie: Institut Marey, avenue Gordon Bennett, Paris 16e; f. 1947; Dir. A. FESSARD.

Centre National de Coordination des Etudes et Recherches sur la Nutrition et l'Alimentation: 71 boulevard Péreire, Paris 17e; f. 1945; Dir. E. TERROINE.

Laboratoire de Chimie Bactérienne: 31 Chemin Joseph Aiguier, Marseilles IX; Dir. J. SENEZ.

Service de la Carte Phytogéographique: f. 1947; the service has two sections, one in the Faculty of Science at Montpellier (large scales), Dir. L. EMBERGER; and the other in the Faculty of Science at Toulouse (small scales), Dir. H. GAUSSEN.

Centre d'Etudes Phytosociologiques et Ecologiques: 5 rue A. Broussonnet, Montpellier; Dir. L. EMBERGER.

Medicine

Centre de Recherches sur les Toxicités: 205 route de Narbonne, Toulouse; f. 1960; Dir. Dr. F. CAUJOLLE.

Centre de Recherches Scientifiques sur le Cancer: 16 *bis* av. Vaillant Couturier, Villejuif; f. 1947; Dir. Dr. P. GRABAR.

Centre de Recherches Physiologiques sur la Cellule Normale et Cancéreuse: 16 *bis* Av. Vaillant Couturier, Villejuif; Dir. Mlle LE BRETON.

Centre d'Etudes des Techniques Chirurgicales: Hôpital Broussais, 96 rue Didot, Paris 14e; Dir. D. LAURENT.

Institut de Neurophysiologie et Psychophysiologie: 31 Chemin Joseph Aiguier, Marseille IX; Dir. G. MORIN.

F. Centres de Sciences Humaines.

Anthropology

Centre d'Hèmotypologie: Hôpital Purpan, Avenue de Grande-Bretagne, Toulouse; Dir. J. RUFFIÉ.

Geography

Centre de Documentation Cartographique et Géographique: 191 rue Saint Jacques, Paris 5e; f. 1946; Dir. J. DRESCH; publ. *Mémoires et Documents*.

Linguistics

Institut de Recherches et d'Histoire des Textes: 15 Quai A. France, Paris 7e; f. 1937; Dir. Mlle. J. VIELLIARD; publ. *Bulletin d'Information* (annually).

Inventaire Général de la Langue Française: 33 quai de la Tournelle, Paris 4e; f. 1936; Dir. F. LECOY.

Centre de Recherches du Trésor de la Langue Française: 15 Place Carnot, Nancy; Dir. P. IMBS.

Law

Service de Recherches Juridiques Comparatives: 28 rue Saint Guillaume, Paris 7e; f. 1952; Dir. M. ANCEL.

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Sociology

Centre d'Etudes Sociologiques: 82 rue Cardinet, Paris 17e; f. 1946; Dir. J. STOETZEL.

History

Service d'Architecture Antique: 5 Rond-point Bugeaud, Paris 16e and Ancien Palais de l'Archevêché, Aix-en-Provence; f. 1957; Dir. P. DEMARGNE.

Centre d'Analyse Documentaire pour l'Archéologie: Pavillon de Flore, Palais du Louvre, Paris; Dir. J. C. GARDIN.

Centre de Recherches Scientifiques sur l'Afrique Méditerranéenne: 27 avenue de Lattre de Tassigny, Hydra, Algeria; Dir. P. A. FEVRIER.

G. Commissions Scientifiques.

Comité Central des Expéditions Scientifiques du C.N.R.S.: 191 rue St. Jacques, Paris 5e; Pres. A. DANJON.

Centre d'Etudes Mathématiques en vue des Applications: Institut H. Poincaré, 11 rue Pierre Curie, Paris 5e; Pres. LOUIS DE BROGLIE.

Commission de Chimie des Hautes Températures et des Réfractaires: 4 Avenue de l'Observatoire, Paris, 6e; Pres. G. CHAUDRON.

Commission d'Etudes du Groupe Français des Argiles: 1 rue Victor Cousin, Paris 5e; Pres. R. HOCART.

Commission Nationale de Rhéologie: 96 Boulevard Raspail, Paris 6e; Pres. R. MAZET.

Centre de Floristique Française: Muséum National d'Histoire Naturelle, 16 rue Buffon, Paris 5e; Dir. P. JOVET.

Centre de Recherches sur les Migrations des Mammifères et des Oiseaux: 55 rue Buffon, Paris 5e; Dir. R. D. ETCHECOPAR.

Commission de Spéléologie: Laboratoire de Zoologie, 61 rue Buffon, Paris 5e; Pres. L. FAGE.

Bathyscaphe "Archimède" (Commandant HOUOT): Institut Océanographique, 195 rue St.-Jacques, Paris 5e; Pres. L FAGE.

Navire Océanographique "Calypsò" (Commandant COUSTEAU): Institut Océanographique, 195 rue St.-Jacques, Paris 5e; Pres. J. M. PEREZ.

Bâtiment de Recherche Cotière Altantique "Kornog": Institut de Géographie, 191 rue St.-Jacques, Paris 5e; Dir. Dr. A. GUILCHER.

Comité Technique de la Recherche Archéologique en France: 16 rue P. Curie, Paris 5e; Pres. ALFRED MERLIN.

Vedette-Laboratoire Ethnographique "Mannogo" (sur le Niger): Heads of Research Mme. G. DIETERLEN, M. LIGERS.

Centre de Recherches de l'Histoire de la Sidérurgie: Palais Ducal, Nancy; Vice-Pres. Ed. SALIN.

H. Autres Services.

Equipes Extérieures des Grands Accélérateurs de Particules: 15 Quai Anatole France, Paris 7e; Pres. A. BERTHELOT.

Comité d'Histoire de la Seconde Guerre Mondiale: 22 rue d'Athènes, Paris 9e; Sec. H. MICHEL.

Missions Lointaines: 47 avenue du Maréchal Fayolle, Paris 16e; Chef des Expeditions PAUL-EMILE VICTOR.

Bureau du C.N.R.S. de Londres: 22 Wilton Crescent, London, S.W.1; Sec. Miss VIDAL HALL.

Bureau du C.N.R.S. de New York: 972 Fifth Avenue, New York 21; Sec. P. DE BELLAIGUE.

Equipes Extérieures des Grands Accélérateurs de Particules: 15 Quai A. France, Paris 7e; Pres. P. AUGER.

Salon des Arts Ménagers: 15 avenue de la Division Leclerc, Palais de la Défence, Puteaux (Seine); Commissaire Générale P. BRETON.

INSTITUT PASTEUR

25-28 RUE DU DR. ROUX, PARIS XV

Founded 1888.

Director: JACQUES TRÉFOUEL.
Assistant Director: HUBERT MARNEFFE.
General Secretary: M. AUBLANT.
Librarian: J. DE PRÉOBRAJENSKY.
Publications: *Annales* and *Bulletin* (monthly).

AGRICULTURE, VETERINARY SCIENCE

Centre de Recherches et d'Expérimentation de Génie Rural: Parc de Tourvoie, Antony (Seine); Dir. J. ROCHE.

Centre National d'Etudes et d'Expérimentation de Machinisme Agricole: Parc de Tourvoie, Antony (Seine); Dir. M. RAUSCHER.

Institut de Recherches du Coton et des Textiles Exotiques (*Research Institute for Cotton and Tropical Textiles*): brs. in the Ivory Coast, Chad, French Congo, Madagascar, Togo, Dahomey, Upper Volta, Mali, Central African Republic, Algeria, Cambodia and Iran.

Institut de Recherches pour les Huiles et Oléagineux (*Research Institute for Oils and Fatty Substances*): 8, 11-13 square Pétrarque, Paris XVI; f. 1942; Dir. R. CARRIÈRE DE BELGARRIC; Publ. *Oléagineux* (monthly).

Institut Français des Recherches Fruitières Outre-Mer (*French Institute for Overseas Fruit Research*): 6 rue du Général Clergerie, Paris; branches in Martinique and Guadelope; in Mauritania, Ivory Coast, Congo, Cameroon, Madagascar; in Morocco, Ecuador; missions in Mali and Guiana.

Institut National de la Recherche Agronomique: 149 rue de Grenelle, Paris 7e; f. 1946; library of 12,000 vols.; its functions are to organise, conduct, and publish research with the aim of improving and developing animal and crop production; Dir. HENRI FERRU; Inspector-Gen. M. BUSTARRET, M. FÉVRIER; publ. *Annales de l'Institut National de la Recherche Agronomique* (8 series).

The Institute administers and subsidises a large number of centres and laboratories in France; there are two national centres and one central station.

Centre National de Recherches Agronomiques: Etoile de Choisy, route de Saint Cyr, Versailles; Adm. C. TROUVELOT; Dirs. of Central Stations P. BOISCHOT, Y. COIC, H. GESLIN, B. TROUVELOT, P. DARPOUX, R. MAYER.

Centre National de Recherches Zootechniques: Domaine de Vilvert, Jouy-en-Josas (Seine-et-Oise); also houses the Station Centrale de Technologie des produits animaux; Dir. M. MOCQUOT.

Station Centrale de Technologie des Produits Végétaux: Ave. du Gén. de Gaulle, Narbonne, Aude; Dir. M. FLANZY.

Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: 10 rue Pierre Curie, Maisons-Alfort (Seine); Dir. M. PAGOT.

Laboratoire Central de Recherches Vétérinaires: 22 rue Pierre Curie, Alfort (Seine); f. 1901; Dir. Dr. A. LUCAS.

ASTRONOMY, METEOROLOGY

Bureau des Longitudes: Palais de l'Institut, 3 rue Mazarine, Paris VI; f. 1795 by Convention Nationale; 50 members and corres.; Pres. A. GOUGENHEIM; Vice-Pres. A. LALLEMAND; Sec. F. BALDET; publs. *Annuaire Annales, Connaissance des Temps, Ephémérides Nautiques et Aéronautiques.*

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Centre Administratif de la Meteorologie Nationale: 196 rue de l'Université, Paris VII; Dir. Mme. LUZIGNANT.

Centre Technique et du Matériel de la Météorologie Nationale: 196 rue du l'Université, Paris VII; Dir. M. MARC.

Etablissement d'Etudes et de Recherches Météorologiques: 1 quai Branly, Paris 7; Dir. J. ROULLEAU.

Institut et Observatoire de Physique du Globe du Puy-de-Dôme: 12 avenue des Landais, Clermont-Ferrand; Dir. H. DESSENS; publ. *Journal de Recherches Atmosphériques* (quarterly).

Institut de Physique de l'Atmosphère: Campistrous par Lannemezan (Hautes-Pyrénées); Dir. H. DESSENS; publ. *Bulletin* (quarterly).

Laboratoire d'Astronomie de la Faculté des Sciences de Lille: 1 rue du Faubourg de Douai, Lille; Dir. P. BACCHUS.

Météorologie Nationale: 1 quai Branly, Paris VII; f. 1945; Dir. A. VIAUT; Asst. Dir. J. BESSEMOULIN; publs. *Bulletins quotidiens de Renseignements, Bulletins quotidiens d'étude, Monographies, Annales, Résumé mensuel du temps, Mémorial.*

Observatoire de Besançon: Besançon (Doubs); f. 1882; Dir. JEAN DELHAYE; library of 10,000 vols.; Publs. *Annales de l'Observatoire, Annales Françaises de Chronométrie* (quarterly).

Observatoire de l'Université de Bordeaux: Floirac (Gironde); Dir. PIERRE SEMIROT.

Observatoire de Haute Provence: *see under* Centre National de la Recherche Scientifique.

Observatoire de Lyon: Saint-Genis-Laval (Rhône); specialises in photometry and spectroscopy, and studies in the upper atmosphere; Dir. JEAN DUFAY.

Observatoire de Marseille: 2 place Le Verrier, Marseille IV; Dir. Prof. CH. FEHRENBACH.

Observatoire de Nice: Nice, Mont-Gros (Alpes-Maritimes); f. 1881; affiliated to the University of Paris; Dir. J.-C. PECKER; publs. *Annales, Bulletin.*

Observatoire de Paris: 61 avenue de l'Observatoire, Paris XIV; f. 1667; library of 40,000 vols.; Dir. M. DANJON; Sec. M. GUIDONI; publs. *Bulletin Astronomique* (quarterly), *Catalogues d'Etoiles, Notes et Informations* and *Bulletin Horaire du Bureau International de l'Heure.*

Observatoire du Pic du Midi: Bagnères de Bigorre (Hautes-Pyrénées); f. 1880; Dir. J. ROSCH; Administrator CH. SOULA.

Observatoire de Strasbourg: 11 rue de l'Université, Strasbourg; f. 1881; library of 14,000 vols.; 4 astronomers; Dir. PIERRE LACROUTE; Publ. *Annales.*

Observatoire de Toulouse: 1 avenue Camille Flammarion, Toulouse; f. 1733; 14 mems.; Dir. Prof. R. BOUIGUE; publs. *Carte du Ciel, Catalogue Photographique du Ciel, Annales de l'Observatoire de Toulouse.*

Section de Météorologie Maritime: 1 quai Branly, Paris VII; Dir. Cap. VAIS JONGLEZ.

Service de la Météorologie d'Outre-Mer: 1 quai Branly, Paris VII; Dir. M. PERLAT.

Service Météorologique Métropolitain: 2 Ave. Rapp, Paris VII; library of 45,000 vols.; Dir. P. LECLERCQ; publs. include *Bulletins* (daily).

Station de Radioastronomie de Nançay: administered by the Observatoire de Paris, Section d'Astrophysique de Meudon, Meudon, (S.-et-O.); f. 1953; study of the sun; radio telescope; 37 mems.; Dir. and Chief Astronomer J. F. DENISSE, Asst. Astronomers J. L. STEINBERG, E. J. BLUM, A. BOISCHOT; many publs. on astronomy.

BIOLOGY

Institut de Biologie Marine de France: f. 1931; comprises nine maritime laboratories: Roscoff (Finistère): Dir. Prof. G. TEISSIER; Banyuls-sur-Mer (Pyrénées Orientales): Dir. Prof. G. PETIT; Villefranche-sur-Mer(A.M.), Dinard (I. et V.): Dir. Prof. FISHER-PIETTE; Concarneau (Finistère): Dir. Prof. ROCHE; Arcachon (Gironde): Dir. Prof. WEILL; Sète (Herault): Dir. Prof. MATHIAS; Luc-sur-Mer (Calvados): Dir. Prof. BOCQUET; Endoume (B.d.Rh.): Dir. Prof. PÉRÈS.

Institut de Biologie Physico-chimique: 13 rue Pierre Curie, Paris V; f. 1927; library of 7,500 vols.; Dir. RENE WURMSER; Dirs. of Laboratories: J. DUCLAUX (Colloids), R. WURMSER (Biophysics), Mrs. KHOUVINE ET GRUNBERG MANAGO (Biochemistry), TH. CAHN (Physiology), B. EPHRUSSI (Genetics), B. PULLMAN (Theoretical Biochemistry).

ECONOMICS, STATISTICS, SOCIOLOGY

Institut National d'Etudes Démographiques: 23-25 avenue Franklin D. Roosevelt, Paris VIII; f. 1945; Dir. JEAN BOURGEOIS-PICHAT; Gen. Sec. ROGER PELTIER.

Institut National de la Statistique et des Etudes Economiques: 29 quai Branly, Paris VII; f. 1946; centralises and co-ordinates the statistical activities of the various Government departments: Dir.-Gen. CLAUDE GRUSON.

Maison des Sciences de l'Homme: 20 rue de la Baume, Paris 8e (provisional address); f. 1963; to conduct research in the social sciences; Administrator F. BRAUDEL; Librarian G. LEBEL.

HYDROLOGY

Association Française pour l'Etude des Eaux: 25 avenue Marceau, Paris 16e; f. 1949; studies practical problems of domestic, agricultural and industrial use of water and its exploitation, storage and purification; Pres. R. PREAUD; Dir. R. COLAS; Admin. Sec. ANNA ZDILAR; publ. *Eaux et Industries* (monthly).

Association Nationale de Protection des Eaux: Conservatoire National des Arts et Métiers (C.N.A.M.), 292 rue St.-Martin, Paris 3e; brings to public notice the necessity of protecting and preserving the quality and quantity of water-supplies, studies problems of water pollution and its prevention; Pres. N. FONTAINE; Treas. CARRAS; Gen. Sec. R. COLAS.

Institut d'Hydrologie et de Climatologie: à la Faculté de Médecine, 45 rue des Saints Pères, Paris 6e; five main laboratories in Paris, and further laboratories at the principal spas; Sec.-Gen. Prof. L. BINET; Publ. *Les Annales de l'Institut d'Hydrologie et de Climatologie.*

Société Hydrotechnique de France: 199 rue de Grenelle, Paris 7e; Hon. Pres. EMILE BARILLON; Pres. JOSEPH DUFFAUT.

MEDICINE

Institut Alfred-Fournier: 25 boulevard Saint-Jacques, Paris XIV; Dir. Dr. SICARD DE PLAUZOLES.

Institut National d'Hygiène: 3 rue Léon Bonnat, Paris XVI; f. 1941; Dir. Prof. L. BUGNARD; Sec.-Gen. P. COMET; publs. *Bulletin, Monographies.*

Institut Prophylactique: 36 rue d'Assas, Paris VI; f. 1916; Dir. ARTHUR VERNES.

NATURAL HISTORY

Muséum National d'Histoire Naturelle: 57 rue Cuvier, Paris V; f. 1635; is not only a museum, but also an active centre of research in natural history; there are 25 professorial chairs tenable at the Museum, which also administers the Zoological Garden and the Musée

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de l'Homme; Dir. Prof. ROGER HEIM; Sec.-Gen. AMBROSE PAUZAT; publs. *Bulletin du Muséum, Mémoires, Archives, Annuaire.* (*See also* Museums, Libraries and State Colleges.)

NUCLEAR SCIENCE

Centre d'Etudes Nucléaires de Cadarache: St. Paul-Les-Durance (B.D.R.); technological study of modern nuclear reactors; Chef de Centre RENÉ FAURE.

Institut National des Sciences et Techniques Nucléaires—INSTN (*National Institute of Nuclear Science and Technology*): B.P. 6, Gif-sur-Yvette (S.-et-O.); f. 1956; provides, in co-operation with the Universities, courses at Saclay in nuclear engineering, nuclear reactor theory, radio-biology, uses of radioisotopes, special metallurgy, accelerator theory and technique, etc.; Dir. JEAN DEBIESSE; Pres. Council of Instruction Prof. JEAN ROCHE.

Centre d'Etudes Nucléaires de Saclay—CENS (*Saclay Nuclear Research Centre*): B.P. 2, Gif-sur-Yvette (S.-et-O.): f. 1949; equipped with seven experimental reactors and seven particle accelerators; laboratories specialising in research on reactors, metallurgy, chemistry, biology and electronics; Dir. JEAN DEBIESSE.

Centre d'Etudes Nucléaires de Fontenay-aux-Roses—CENFAR (*Nuclear Research Centre, Fontenay-aux-Roses*): B.P. 6, Fontenay-aux-Roses (Seine); f. 1945; first French reactor: Zoé natural uranium, heavy water moderated; two swimming-pool reactors, and laboratories specialising mainly in chemical and metallurgical research on plutonium, controlled fusion, heat exchange by liquid metals, mineralogy, concentration of uranium ores and sanitary protection; Dir. R. LUCIEN.

Centre d'Etudes Nucléaires de Grenoble—CENG (*Nuclear Research Centre, Grenoble*): B.P. 269, Grenoble (Isère): f. 1956; equipped with a swimming-pool reactor and six particle accelerators; Dir. LOUIS NEEL.

OVERSEAS RESEARCH

Office de la Recherche Scientifique et Technique Outre-Mer: 24 rue Bayard, Paris 8e; f. 1943; Pres. J. J. DUGLAS; Dir.-Gen. G. CAMUS; Scientific Dir. L. ZIÉGLÉ.

RELIGION

Institut des Etudes Augustiniennes: 8 rue François Ier, Paris 8e; f. 1943; research into life, thought and times of St. Augustine; publs. *Revue des Etudes Augustinennes* (quarterly), *Oeuvres Complètes de St. Augustin* and others; Pres. Dr. G. FOLLIET, A. DE VEER, G. MADEC, F. THONNARD, A. BRIX.

TECHNOLOGY

Centre National d'Etudes Spatiales: 36 rue la Pérouse, Paris 16e; f. 1961; undertakes research, provides information, promotes international co-operation; Pres. JEAN COULOMB; publ. *La Recherche Spatiale* (monthly).

Institut Français du Caoutchouc: 42 rue Scheffer, Paris XVI; f. 1936; Pres. J. DE LAUZIÈRES; Sec.-Gen. R. DE PADIRAC; Dir. Research R. HUBLIN; Publ. *Revue Générale du Caoutchouc* (monthly).

Institut Français du Petrole, des Carburants et Lubrifiants: 1 and 4 avenue de Bois-Préau, Rueil Malmaison (Seine-et-Oise); f. 1943; scientific and technical organisation for the purpose of research, personnel training and documentation in the different fields of the oil industry; 2 libraries; Dir. E. VELLINGER; publs. *Revue*, scientific treatises and monographs, practical handbooks, etc.

Institut Technique du Bâtiment et des Travaux Publics: 9 rue Lapérouse, Paris 16e; f. 1933; Lecture and Documentation Centre for engineers, building contractors, architects, and students, for study of architecture, building construction and public works; 5,000 mems.; Pres. ED. BILLIARD; Del.-Gen. M. LEBELLE; Publ. *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (monthly).

Office National d'Etudes et de Recherches Aérospatiales: 25 avenue Division Leclerc, Châtillon-sous-Bagneux (Seine); f. 1946 to develop, direct, and co-ordinate scientific and technical research in the field of space aeronautics; Dir. Prof. PAUL GERMAIN; publ. *La Recherche Aérospatiale* (every two months).

VOCATIONAL GUIDANCE

Institut National d'Etude du Travail et d'Orientation Professionnelle: 41 rue Gay-Lussac, Paris V; f. 1928; undertakes research and trains vocational guidance officers; library of 8,000 vols.; Dir. Prof. H. PIÉRON; Dep. Dir. C. BENASSY-CHAUFFARD.

LIBRARIES AND ARCHIVES

The administrative control of the libraries and archives of France is vested in the two following organisations:

Direction des Bibliothèques de France: 55 rue St.-Dominique, Paris VII; f. 1945; Dir. JULIEN CAIN; Assist. Dir. PIERRE LELIÈVRE; under the Ministry of Education.

Direction des Archives de France: 60 rue des Francs-Bourgeois and 87 rue Vieille-du-Temple, Paris III; f. 1794; Dir.-Gen. ANDRÉ CHAMSON; Dep. Dir.-Gen. FRANÇOIS DOUSSET; under the Ministry of State for Cultural Affairs.

PARIS

Bibliothèque Nationale: 58 rue de Richelieu, Paris II; f. 1480 by Louis XI; 6,000,000 vols., 155,000 MSS., 450,000 medals and coins, 5,000,000 prints and engravings, 500,000 titles of periodicals, 400,000 maps; Gen. Adm. JULIEN CAIN; Gen. Sec. MARCEL RIEUNIER; Publs. *Bibliographie de la France* (weekly), *Bulletin des Bibliothèques de France* containing the *Bulletin de Documentation bibliographique.*

Bibliothèque de l'Université de Paris: the library of the University of Paris comprises the libraries of the five Faculties and three other libraries; in addition to these main libraries there are also libraries attached to the various institutes and research centres of the University, of which a list is given in the entry relating to the University. The eight main constituent libraries are as follows:

Bibliothèque de la Faculté des Lettres et de la Faculté des Sciences (Bibliothèque de la Sorbonne): 17 rue de la Sorbonne, Paris V; formed in 1762; over 1,500,000 vols.; Chief Libr. GERMAIN CALMETTE.

Bibliothèque de la Faculté de Droit: 127 rue Saint-Jacques, Paris V; f. 1876; over 350,000 vols.; Chief Libr. GEORGES THOMAS.

Bibliothèque de la Faculté de Médecine: 12 rue de l'Ecole-de-Médecine, Paris VI; f. 1733; 490,000 vols.; Chief Libr. Dr. ANDRÉ HAHN.

Bibliothèque de la Faculté de Pharmacie: 4 avenue de l'Observatoire, Paris VI; f. 1570; 120,000 vols.; 1,077,000 patents; Chief Libr. GABRIEL GARNIER.

Bibliothèque Sainte-Geneviève: 10 place du Panthéon, Paris V; f. 1624 by Cardinal F. de la Roche-

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foucauld; 1,500,000 vols., 30,000 prints, 1,500 incunabula and 4,000 MSS.; comprehensive library specialising in philosophy, theology, ancient law, medicine, science; Dir. Mme. WINTZWEILLER.

Bibliothèque de Documentation Internationale Contemporaine: 5 rue Auguste-Vacquerie, Paris XVI; f. 1917; 350,000 vols., 15,000 series of periodicals, 2,000 pamphlets and theses; Dir. H. F. RAUX; the **Musée de la Grande Guerre,** Pavillon de la Reine, Château de Vincennes, is attached to this library.

Bibliothèque de l'Institut de Géographie: 191 rue Saint-Jacques, Paris 5e; 16,000 vols., 70,000 maps, 7,000 photographs; Libr. Mme SOMMER.

Bibliothèque d'Art et d'Archéologie (Fondation Jacques-Doucet): 3 rue Michelet, Paris VI; f. 1918; 250,000 vols.; Chief Libr. Mlle SUZANNE DAMIRON.

Archives Nationales: Hôtel Soubise, 60 rue des Francs-Bourgeois, Paris III; f. 1789; approx. 73,000 vols. on historical subjects; Dir. CHARLES BRAIBANT; Chief Admin. Service G. DUBOSCQ.

Bibliothèque de l'Académie Nationale de Médecine: 16 rue Bonaparte, Paris VI; f. 1847; over 260,000 vols.; Libr. Dr. G. NICOLE-GENTY.

Bibliothèque de l'Arsenal: rue de Sully, Paris IV; f. by the Marquess of Paulmy, became public library in 1797; specialises in literature, theatre and history; open to students; contains 1,200,000 vols., 250,000 vols. of theatrical collection, 13,000 MSS., 15,000 autographs, 120,000 prints; Dir. JACQUES BOUSSARD.

Bibliothèque de l'Assemblée Nationale: Palais Bourbon, Paris VII; f. 1796; 400,000 vols. and 1,600 MSS.; Dir. PIERRE DE SOULES; Asst. Dir. JEAN MARCHAND.

Bibliothèque des Avocats à la Cour d'Appel: Palais de Justice, Paris I; f. 1708; confiscated during the Revolution, but refounded in 1810; 160,000 vols.; not open to the public; Libr. ALBERT TROPENAT.

Bibliothèque de la Chambre de Commerce et d'Industrie de Paris: 16 rue de Châteaubriand, Paris VIII; f. 1821; 200,000 vols., 13,000 periodicals; Chief Libr. JEAN LAURENT; Asst. Libr. Mlle M. CL. SALONE; publs. *Catalogue* (monthly), *Bibliographie d'Etudes et d'Articles Selectionnés* (monthly), *Bibliographie d'Economie Régionale française* (monthly), *Répertoire d'Annuaires français* (4th edn. 1959–60).

Bibliothèque du Centre d'Etudes de Politique Etrangère: 54 rue de Varenne, Paris VII; f. 1935; 5,000 vols. and 460 periodicals; history and political science; only open to members of the Centre d'Etudes de Politique Etrangère; Libr. ANDRÉ MÈNETRAT; Publ. *Politique Etrangère* (bi-monthly).

Bibliothèque du Conseil d'Etat: Place du Palais-Royal, Paris I; f. 1871; 80,000 vols. on Jurisprudence, History and Legislation; Libr. Mlle RABANT; Publ. *Etudes et Documents.*

Bibliothèque du Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris III; 100,000 vols. on arts and crafts, political economy, industrial arts; Libr. Mde. CLAUDE MICHEL.

Bibliothèque du Conservatoire National Supérieur de Musique (Dept. of Music, Bibliothèque Nationale): 14 rue de Madrid, Paris VIII; over 600,000 vols.; MSS. and autographed letters, old and modern works; documentation; iconography; Cur. M. VLADIMIR FEDOROV.

Bibliothèque du Sénat: Palais du Luxembourg, Paris VI; f. 1818; 460,000 vols., chiefly on history and law, 1,354 MSS. and 40,000 prints; open to members of Parliament; Dir. ANDRÉ ROUSSY.

Bibliothèque de la Cour des Comptes: 13 rue Cambon, Paris I; f. 1807 by Napoleon I; 50,000 vols. on Law, Finance, and Economy; Libr. M. PIERRE RIBERETTE; Publs. *Bulletin d'Information, Bulletin de Jurisprudence* (annuals).

Bibliothèque de l'Ecole Nationale des Langues Orientales Vivantes: 2 rue de Lille, Paris VII; f. 1868; over 250,000 vols.; Keeper of the Library Mme COLETTE MEUVRET.

Bibliothèque de l'Ecole Nationale des Ponts et Chaussées: 28 rue des Saints-Pères, Paris VII; f. 1747; over 150,000 vols.; Chief Libr. LEHANNEUR.

Bibliothèque de l'Ecole Nationale Supérieure des Mines: 60 boulevard Saint-Michel, Paris VI; f. 1794; 350,000 vols.; Chief Libr. Mlle. Y. ENJOLRAS.

Bibliothèque de l'Ecole Normale Supérieure: 45 rue d'Ulm, Paris V; f. 1795; 630,000 vols.; Chief Libr. M. MARTIN.

Bibliothèque de l'Ecole Polytechnique: 17 rue Descartes, Paris V; f. 1794; over 250,000 vols.; Chief Libr. M. A. MOREAU.

Bibliothèque de la Fondation Nationale des Sciences Politiques: 27 rue Saint-Guillaume, Paris VII; f. 1872; over 200,000 vols.; Dir. JEAN MEYRIAT.

Bibliothèque Espagñole: 11 avenue Marceau, Paris XVI.

Bibliothèque Forney: 1 rue du Figuier, Paris IV; f. 1886; 100,000 vols., 250,000 specimens of decorative art, furniture, silverwork, etc.; Librs. Mme J. VIAUX, Mlle S. PONS.

Bibliothèque Historique de la Marine: 3 avenue Octave Gréard, Paris VII; f. 1922; 40,000 vols. on naval history; Librarian J. P. BUSSON.

Bibliothèque de l'Institut Catholique: 21 rue d'Assas, Paris VI; f. 1875; over 500,000 vols.; Chief Libr. M. l'Abbé SALLES.

Bibliothèque de l'Institut de France: 23 quai de Conti, Paris VI; f. 1795; 1,500,000 vols.; Curator JEAN TREMBLOT DE LA CROIX.

Bibliothèque de l'Institut National de la Statistique et des Etudes Economiques: 29 quai Branly, Paris VII; 200,000 vols., 2,000 periodicals; Dir. ADRIEN CARO.

Bibliothèque Mazarine: 23 quai de Conti, Paris VI; f. 1643 by Cardinal Mazarin; since 1945 attached to Institut de France; 350,000 vols., 5,800 MSS.; Dir. JACQUES RENOULT; Asst. Libr. P. H. MICHEL.

Bibliothèque du Ministère des Affaires Etrangères: 37 quai d'Orsay, Paris VII; f. in 18th century; over 400,000 vols.; in charge of the Asst. Curator of the Archives Dept.

Bibliothèque du Ministère des Armées: 231 Bd. Saint-Germain, Paris VII; over 300,000 vols.; Librarian Mlle. M. LENOIR.

Bibliothèque Administrative de la Marine: 2 rue Royale, Paris VIII; 50,000 vols.; admin. section of the Service Historique de la Marine; Librarian Mme. MACAREZ.

Bibliothèque et Archives des Musées Nationaux: Palais du Louvre, Pavillon des Arts, Paris Ier; contains files and MSS. connected with the Louvre and the National Museums, together with many documents of general interest; research workers admitted on written application and recommendation; Archivist and Libr. Mme ANDRÉ CHAMSON.

Bibliothèque du Muséum National d'Histoire Naturelle: 36 rue Geoffroy-Saint-Hilaire, Paris V; f. 1635; 500,000 vols.; Chief Libr. Mme DUPRAT.

Bibliothèque—Musée de l'Opéra et de la Danse: place Charles Garnier, Paris IX; f. 1865; 30,000 vols., 10,000 scores, 60,000 prints, 30,000 photographs; Libr. A. MÉNÉTRAT.

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Bibliothèque Polonaise: 6 quai d'Orléans, Paris IV; f. 1838; 82,000 vols., 1,000 MSS. files, 7,000 prints, 5,000 maps (16th to 20th centuries); Cir. Czeslaw Chowaniec.

Bibliothèque Thiers: 27 place Saint-Georges, Paris IX; f. 1905; attached to Institut de France; 80,000 vols and 2,300 MSS. on Contemporary History; Libr. Mlle Paul.

Bibliothèque Historique de la Ville de Paris: 29 rue de Sévigné, Paris III; f. 1871; 500,000 vols., 2,000 vols. MSS., and 150,000 pamphlets and MSS. on history of Paris; Cur. Henry de Surirey de Saint Remy.

American Library in Paris: 129 avenue des Champs-Elysées, Paris VIII; Provincial Branches in Roubaix (Nord), Toulouse, Rennes, Montpellier, Grenoble and Nantes; f. 1920; 7,000 members; 60,000 vols.; reference and lending library; open to the public; Pres. Robert H. Blake; Dir. Ian Forbes Fraser; Libr. Joann Karges.

Provincial Libraries

Bibliothèque Municipale: 11 rue des Rapporteurs, Abbeville; f. 1643; 82,000 vols.; Libr. R. Richard.

Bibliothèque Municipale: Hôtel de Ville, Aix-en-Provence; f. 1810; 250,000 vols.; Chief Libr. Bruno Durand.

Bibliothèque Universitaire Centrale: avenue Benjamin Abram, Aix-en-Provence; f. 1879; 225,837 vols.; Chief Libr. Guy de Tournadre.

Bibliothèque Municipale: Hôtel Rochegude, rue Rochegude, Albi; f. during the French Revolution; 120,000 vols.; Libr. Mlle Paule Masson.

Bibliothèque Municipale: 50 rue de la République, Amiens; f. during the French Revolution; 140,000 vols.; Chief Libr. Paul Logié.

Bibliothèque Municipale: 10 rue du Musée, Angers; f. during the French Revolution; over 100,000 vols.; Libr. Mlle Jeanne Varangot.

Bibliothèque Calvet: 65 rue Joseph Vernet, Avignon; 216,000 vols., 6,000 MSS., 700 incunabula, 12,600 musical scores; engravings, maps and coins; Libr. Georges de Loye.

Bibliothèque Municipale: 1 rue de la Bibliothèque, Besançon; f. 1694; 250,000 vols., 3,000 MSS., 1,000 incunabual, etc.; Librarian J. Mironneau.

Bibliothèque Universitaire: 30-32 rue Mégevand, Besançon; f. 1880; 125,000 vols.; Dir. Jacques Mironneau; Libr. Mme. Chevassus.

Bibliothèque Municipale: 3 rue Mably, Bordeaux; f. 1736; 330,000 vols.; 2,000 MSS.; Chief Libr. Louis Desgraves.

Bibliothèque Universitaire: 20 cours Pasteur, Bordeaux; f. 1879; 637,265 vols.; Chief Libr. Jacques Guinard.

Bibliothèque Municipale: 103 rue Félix-Adam, Boulogne-sur-Mer; f. during the French Revolution; 105,000 vols., 1,100 MSS.; Libr. Pierre Héliot.

Bibliothèque Municipale: Place Guillouard, Caen; f. 18th century; 80,000 vols.; Libr. Guy Rohou.

Bibliothèque Universitaire: Université, rue du Gaillon, Caen; 600,000 vols.; Chief Libr. Mlle M. Dupasquier.

Bibliothèque Municipale: 37 rue St. Georges, Cambrai; Librarian Michel Bouvy.

Bibliothèque Inguimbertine: 11 boulevard du Musée, Carpentras; f. 1745; 130,000 vols.; Libr. H. Dubled.

Bibliothèque Municipale: 1 rue d'Orfeuil, Châlons-sur-Marne; f. 1803; 160,000 vols.; Chief Libr. Mme Germaine Jeulin.

Bibliothèque Municipale et Universitaire: 1 boulevard La Fayette, Clermont-Ferrand; f. during the French Revolution; 196,000 vols.; Chief Libr. J. Le Chapelain.

Bibliothèque de la Ville: place des Martyrs de la Résistance, Colmar; f. 1803; 3,000 vols.; Chief Libr. Pierre Schmitt.

Bibliothèque Municipale: 5 rue de l'Ecole-de-Droit, Dijon; f. 1701; 200,000 vols.; Chief Libr. Pierre Gras.

Bibliothèque Universitaire: 38 rue Chabot-Charny, Dijon; f. 1880; 290,000 vols.; Libr. Mlle Odette Barthélemy.

Bibliothèque Municipale: rue de la Fonderie, Douai; f. 1767; Libr. Mme Yvonne Duhamel.

Bibliothèque Municipale: place de Verdun, Grenoble; f. 1772; 282,731 vols., 654 incunabula, 16,000 MSS., 80,000 prints, 2,000 maps; Chief Libr. Pierre Vaillant.

Bibliothèque Universitaire: Boul. Maréchal Lyautey, Grenoble; 368,540 vols.; Chief Libr. Mme S. Kravtchenko.

Bibliothèque Municipale: 30 rue Gargoulleau, La Rochelle; f. 1750; 126,000 vols.; Libr. Mlle Olga Bernard de Saint-Affrique.

Bibliothèque Municipale: 2 *bis* rue Ancelot, Le Havre; 100,000 vols.; Libr. Mlle Paule Nancel-Penard.

Bibliothèque Municipale: 1 place Georges-Lyon, Lille; f. 1726; 300,000 vols.; Libr. Mlle Odette Crombez.

Bibliothèque Universitaire: 1 place Georges-Lyon, Lille; f. 1880; 675,000 vols.; Libr. Mlle Andrée Bruchet. The medical department (f. 1952) has 180,000 vols.

Bibliothèque Municipale: 6 place de l'Ancienne-Comédie, Limoges; 190,000 vols.; photographic collection of Limoges Champlevé enamels of the 12th to 14th centuries; Libr. Mme M.-M. Gauthier.

Bibliothèque Municipale: 4 avenue Adolphe-Max, Lyon; f. 1693; 700,000 vols., 20,000 MSS. and archives; Dir. Henri-Jean Martin.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 18 quai Claude-Bernard, Lyon; f. 1896; 324,234 vols., 456,411 vols. of theses and brochures; Chief Libr. Jean-Louis Rocher.

Bibliothèque Municipale: 2 place Auguste-Carli, Marseille; f. 1800; 225,000 vols., Chief Libr. Michel Gernet.

Bibliothèque Universitaire (Médecine et Pharmacie:) Boulevard d'Alès, Marseille V; f. 1891; 220,000 vols. (medicine and pharmacy); Chief Libr. Guy de Tournadre; Libr. Mlle C. Perrin.

Bibliothèque Universitaire (Sciences): 1 place Victor-Hugo, Marseille; f. 1880; 140,000 vols.; Chief Libr. Guy de Tournadre; Libr. J. Billioud.

Bibliothèque Municipale: 2 rue du Haut Poirier, Metz; 115,000 vols.; Libr. Michel Merland.

Bibliothèque Municipale: 37 boulevard Sarrail, Montpellier; f. during the French Revolution; 270,000 vols.; Chief Libr. Mlle Eveline Page-Delaunay.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 31 rue de l'Université, Montpellier; f. 1890; 573,293 vols.; Chief Libr. François Pitangue.

Bibliothèque Municipale: 43 rue Stanislas, Nancy; f. 1750; 300,000 vols.; Chief Libr. Rene Cuenot.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 11 place Carnot, Nancy; f. 1855; 1,000,000 vols. (including Medical Library at 30 rue Lionnois); Chief Libr. Rene Nouat.

Bibliothèque Municipale: 37 rue Gambetta, Nantes; f. 1753; 317,200 vols.; Chief Libr. Luce Courville.

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Bibliothèque Municipale: 19 Grande-Rue, Nîmes; f. 1794; 142,000 vols.; Chief Libr. Mlle M. CABANE.

Bibliothèque Municipale: 1 rue Dupanloup, Orléans; f. 1714; 180,000 vols.; Libr. GEORGES BATAILLE.

Bibliothèque Municipale: place Noulibos, Pau; 98,000 vols.; special collections on Henri IV and Béarn; Libr. Mme BOUYSSI.

Bibliothèque Municipale: 20 cours Tourny, Périgueux; f. 1781; 110,000 vols.; Libr. Mme. D. ROBIN.

Bibliothèque Municipale: place du Marché-Notre-Dame, Poitiers; f. during the French revolution; 250,000 vols., 950 MSS., 272 incunabula; Libr. FRANÇOIS EYGUN.

Bibliothèque Universitaire: place du Marché-Notre-Dame, Poitiers; f. 1879; 207,000 vols.; Chief Libr. Mlle JEANNE GIRAUD.

Bibliothèque Municipale: place Carnégie, Reims; f. 1809; 135,000 vols.; Chief Libr. Mlle ODETTE REVILLE.

Bibliothèque Municipale: 7 place Hoche, Rennes; f. 1790; 240,000 vols.; Libr. J. SANSEN.

Bibliothèque Universitaire: 7 place Hoche, Rennes; f. 1855; 350,000 vols.; Libr. J. SANSEN.

Bibliothèque Municipale: 3 rue de la Bibliothèque, Rouen; f. 1791; 350,000 vols.; Chief Libr. Mlle JEANNE DUPIC.

Bibliothèque Nationale et Universitaire: 6 place de la République, Strasbourg; f. 1870; 3,000,000 vols., 5,179 MSS., 4,541 papyri, 3,877 rare books of the 16th to 18th centuries, 1,971 incunabula, 40,000 periodicals of which 5,000 currently received, 1,970 ostraca; Libr. N. SCHULLER.

Bibliothèque Municipale: 1 rue du Périgord, Toulouse; f. 1782; 350,000 vols.; Chief Libr. MAURICE CAILLET.

Bibliothèque Universitaire Centrale (Droit-Lettres): 56 rue du Taur, Toulouse; f. 1879; 1,340,976 vols. and 9,191 periodicals (including Medical and Scientific Library at 37 allée Jules-Guesde); Chief Libr. Mlle FRANÇOISE ARDUIN.

Bibliothèque Municipale: Hôtel de Ville, Tours; f. 1791; destroyed in 1940; 98,866 vols.

Bibliothèque Municipale: 21 rue Chrestien de Troyes, Troyes; f. 1651; 220,000 vols.; Chief Libr. Mlle FRANÇOISE BIBOLET.

Bibliothèque Municipale: 4 place des Ormeaux, Valence, f. 1775; 64,000 vols.; Libr. Mlle BEAU.

Bibliothèque Municipale: 2-6 rue Ferrand, Valenciennes; f. 1765; 70,000 vols.; Libr. PAUL LEFRANCQ.

Bibliothèque Municipale: 5 rue de l'Indépendance-Américaine, Versailles; f. 1803; 360,000 vols.; Chief Libr. PIERRE BREILLAT.

MUSEUMS

Direction des Musées de France: Palais du Louvre, Pavillon Mollien, Cour du Carrousel, Paris I; Dir. HENRI SEYRIG; Sec. Mlle. MAURIANGE; publs. *Revue du Louvre.*

Réunion des Musées Nationaux: Palais du Louvre, Paris I; comprises:

Conseil Administratif de la Réunion des Musées Nationaux: f. 1941; Chair. J. JAUJARD; Vice-Chair. E. SIDET; Sec. MARIE DELAROCHE-VERNET-HENRAUX.

Conseil Artistique de la Réunion des Musées Nationaux: f. 1941; Chair. PAUL LÉON; Vice-Chair. ALFRED MERLIN; Sec. MARIE DELAROCHE-VERNET-HENRAUX.

Direction des Beaux-Arts, de la Jeunesse et des Sports: Hôtel de Ville, Paris IV; Dir. C. EYRAUD.

Sous-Direction des Beaux-Arts: 14 rue François Miron, Paris IV; Asst. Dir. M. MASSIE.

PARIS MUSEUMS

Galerie du Jeu de Paume: place de la Concorde, Paris 1; f. 1920; administered by the Musée du Louvre; exhibition of Impressionist art.

Musée du Louvre: Palais du Louvre, Paris I; f. 1793; Chief Curators: ANDRÉ PARROT (Oriental Antiquities); JACQUES VANDIER (Egyptian Antiquities); JEAN CHARBONNEAUX (Greek and Roman Antiquities); GERMAIN BAZIN (Painting); PIERRE PRADEL (Medieval, Renaissance and Modern Sculpture); PIERRE VERLET (Medieval, Renaissance and Modern Objets d'Art); Curator: ETIENNE COCHE DE LA FERTÉ (Christian Antiquities).

Musée des Antiquités Nationales: Saint-Germain-en-Laye. f. 1862; Prehistoric, Bronze Age, Celtic, Gallo-Roman and Merovingian Antiquities; Cur. ANDRÉ VARAGNAC; Asst. Cur. RENÉ JOFFROY.

Musée de l'Armée: Hôtel des Invalides, Paris VII; f. 1670 by Louis XIV; collections of artillery, armour, uniforms, banners; tombs of Napoleon, his son and Marshal Foch; history of French Army from its origin to 1918; Dir. Gen. HENRY BLANC; publ. *Revue de la Société des Amis du Musée de l'Armée.*

Musée National d'Art Moderne: 13 Avenue du Président-Wilson, Paris VI; f. 1750; modern painting and sculpture; Curs. JEAN CASSOU, BERNARD DORIVEL.

Musée Pédagogique (*Institut Pedagogique National*): 29 rue d'Ulm, Paris V; f. 1879; library contains 1,000,000 vols. Dir. P. CHILOTTI; Dep. Dirs. A. CHAGOT, J. MAJAULT; several publs.

Musée des Arts Décoratifs: Palais du Louvre, Pavillon de Marsan, 107 rue de Rivoli, Paris I; f. 1880; woodwork, furniture, tapestries, textiles, jewels, ceramics, sculpture, painting, gold and silver work, glass, collections of Western and Oriental art; Cur. JACQUES GUÉRIN.

Musée Astronomique de l'Observatoire de Paris: 61 avenue de l'Observatoire, Paris XIV; f. 1667; astronomical instruments of the 17th, 18th and 19th centuries; statues and pictures of celebrated astronomers; library contains 40,000 vols.; Dir. M. DENISSE; Libr. Mme G. FEUILLEBOIS; publs. *Bulletin Astronomique, Catalogue d'Etoiles, Notes et Informations.*

Musée Carnavalet: 23 rue de Sévigné, Paris III; f. 1866; history of Paris and of the Revolution, dept. of prints and drawings; Chief Curator JACQUES WILHELM; publ. *Bulletin du Musée Carnavalet.*

Musée du Costume de la Ville de Paris: 11 av. du Pres. Wilson, Paris XVI; f. 1956; attached to Musée Carnavalet; French costumes from 1725; Cur. JACQUES WILHELM.

Musée Cernuschi: 7 avenue Velasquez, Paris VIII; f. 1896; ancient Chinese art; Cur. VADIME ELISSEEFF.

Musée et Château de Chantilly (Musée Condé): Chantilly (Oise); f. 1885; painting, miniatures, drawings, books, MSS., etc.; Cur. R. DE BROGLIE.

Musée des Thermes et de l'Hôtel de Cluny: 6 Place Paul Painlevé, Paris V; f. 1844; sculpture, tapestry, armour, ivory, enamels and furniture of Middle Ages; Cur. F. SALET.

Musée Cognacq-Jay: 25 boulevard des Capucines, Paris II; f. 1929; 18th century works of art, English and French

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paintings, porcelain, furniture, etc.; Cur. René Héron de Villefosse.

Musée du Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris IIIe; f. 1793; models of old and new machines, instruments, etc.

Musée d'Ennery: 59 avenue Foch, Paris XVI; f. 1903; Chinese and Japanese furniture, china, and objets d'art; Cur. Georges Cœdès.

Musée National des Arts et Traditions Populaires: Palais de Chaillot, place du Trocadéro, Paris XVI; f. 1937; library of 150,000 vols.; Cur. G. H. Rivière; publs. *Arts et Traditions Populaires, Catalogues des Expositions.*

Musée National de Fontainebleau: Château de Fontainebleau; 12th century, Renaissance, 17th and 18th century and 1st Empire exhibits; painting and furniture 16th-19th centuries; Cur. Charles Terrasse; publs. *Le Château de Fontainebleau* (1946, also English edition), *Napoléon I à Fontainebleau* (1952), *Fontainebleau* (in fol. 1951).

Musée de la Guerre (1914–18, 1939–45): Pavillon de la Reine, Château de Vincennes; f. 1918; Cur. H. F. Raux.

Musée Guimet: 6 place d'Iéna, Paris XVI; f. 1885; library of 40,000 vols.; history of religions; Chinese, Japanese and Tibetan MSS.; art and religions of India, Central Asia, Tibet, Afghanistan, China and Japan; Buddhist collections; Khmer antiquities; Curs. Ph. Stern, Mlle J. Auboyer; Libr. Mlle Hauchecorne; publ. *Annales du Musée Guimet.*

Musée de l'Homme: Palais de Chaillot, Paris XVI; f. 1878; ethnography, anthropology; Dir. Prof. J. Millot.

Musée Jacquemart-André: 158 Bd. Haussmann, Paris VIII; f. 1912; painting, tapestry and furniture of Renaissance and 18th century; Cur. Julien Cain.

Musée National de Malmaison (Musée d'art et d'histoire de l'époque napoléonienne): Rueil (Seine-et-Oise); f. 1906; historical collection of Napoleon I and Joséphine; Cur. Pierre Schommer; and Château de Bois-Préau.

Musée du Château: Maisons-Laffite; Curator Mlle. R. M. Langlois.

Musée Monétaire: Hôtel de la Monnaie, 11 quai Conti, Paris VI; f. 1771; collections of ancient and modern medals, coins and dies; Dir. P. Dehaye; publs. *Catalogue, Editions de la Monnaie de Paris.*

Muséum National d'Histoire Naturelle: Jardin des Plantes; 57 rue Cuvier, Paris V; f. 1635 by Guy de la Brosse, zoology, botany, anatomy, mineralogy, palæontology; 25 professorial chairs; library of 500,000 vols.; Dir. Roger Heim; Sec.-Gen. Ambroise Pauzat, Libr. Mme. G. Duprat; publs. *Bulletin, Mémoires, Archives, Annuarie,* etc.

Musée Nissim de Camondo: 63 rue de Monceau, Paris VIII; f. 1936; branch of Musée des Arts Décoratifs; 18th; century furniture and works of art; Savonnerie carpets; china; silver work; Cur. Jean Messelet; Publ. *Catalogue.*

Musée du Petit Palais: avenue Alexandre III, Paris VIII; Municipal Museum, f. 1902; ancient and modern paintings and works of art; Cur. Mme Suzanne Kahn.

Musée Rodin: Hotel Biron, 77 rue de Varenne, Paris VIII; f. 1916; sculpture and drawings by Rodin and objects from his collections: Cur. Mme. Cécile Goldscheider.

Musée Social: 5 rue Las-Cases, Paris VII; f. 1894; social information and documentation; public library containing 60,000 vols.; Cur. Henri Deroy; publ. *Cahiers du Musée Social* (every two months).

Musée National des Monuments Français (fmrly. Musée de Sculpture Comparée): Palais de Chaillot, Place du Trocadéro, Paris XVI; f. 1882; library: 6,000 works on history of art, 200,000 photographs (including those belonging to the Archives des Monuments Historiques), collection of scale reproductions of murals of the Middle Ages and materials connected with building and decoration; casts of portions of monuments and sculptures from beginning of Christianity to 19th century; Cur. Marc Thibout; Keeper François Souchal; publ. *Guides.*

Musée Céramique de Sèvres: Place de la Manufacture, Sèvres (Seine-et-Oise); f. 1824; ancient and modern ceramic art; Cur. Henry Pierre Fourest; Asst. M. Yver-Faré.

Musée National de Versailles et des Trianons: Château de Versailles (Seine-et-Oise); f. 1830 by Louis-Philippe; historical painting and sculpture from 16th to 20th centuries, furniture of the 17th to 19th centuries; Cur. Gerald Van der Kemp.

Maison de Victor Hugo: 6 place des Vosges, Paris IV; f. 1903; personal belongings, first editions; library of 1,500 volumes; drawings by Victor Hugo, etc.; Cur. Martine Ecalle; publ. *Catalogue.*

Musée de L'Orangerie: Jardin des Tuileries and quai des Tuileries, Paris I; annex to the Musée du Louvre; permanent exhibition of the "Nymphéas" murals by Claude Monet (closed until Autumn 1964).

Musée Gustave Moreau: 14 rue de la Rochefoucauld, Paris IX; f. 1902 from a bequest by the painter Gustave Moreau of his house and contents, including paintings, watercolours, sketches, and designs; Dir. Jean Paladilhe.

Musée du Château de Compiègne: Compiègne (Oise); royal palace of the first kings of France, reconstructed under Louis XV and Louis XVI and redecorated under the First Empire; furniture of 18th and 19th centuries and First Empire period; tapestries of 18th century; collections from the Second Empire period; souvenirs of the Empress Eugénie; Cur. Max Terrier.

Musée de la Voiture et du Tourisme: Château de Compiègne; f. 1927 with the co-operation of the Touring Club de France; old carriages, sedan chairs, survey of development of the bicycle, the automobile, and the French railways; 150 vehicles; Cur. Max Terrier.

Musée Galliéna: 10 rue Pierre-Ier-de-Serbie, Paris XVI; temporary exhibitions of modern art and applied art; Cur. René Héron de Villefosse.

Palais de la Découverte: *see under* University of Paris.

Provincial Museums

Musée Granet: place St. Jean de Malte, Aix-en-Provence; f. 1765; Egyptian, Greek, Celto-Ligurian, Roman and Gallo-Roman archæology; pictures of Cézanne and the French Schools, with special emphasis on Provence; Italian, Spanish, Flemish, Dutch and German Schools; sculpture; furniture of 16th, 17th and 18th centuries; Cur. Louis Malbos.

Musée de l'Hôtel de Ville: Amboise (Indre-et-Loire); collection includes tapestries, and autographs of the kings of France; Cur. Boris Lossky.

Musée de Picardie: rue de la République, Amiens (Somme); f. 1854; acquired by the municipality in 1869; fine collection of paintings of Northern and French Schools; murals by Puvis de Chavannes; Egyptian, Greek and Roman antiquities; objets d'art of Middle Ages and Renaissance; Cur. Robert Richard.

Musée des Beaux-Arts: 10 rue du Musée, Angers (Maine-et-Loire); f. 1797, housed in 15th century "logis Barrault"; paintings of 18th century French School

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and 17th century Dutch and Flemish Schools; sculpture, including busts by Houdon and complete works of David d'Angers; Cur. HENRY DE MORANT.

Musée Calvet: 65 and 67 rue Joseph Vernet, Avignon (Vaucluse); f. 1810; rich archæological collection; antique and mediaeval sculpture; paintings of the Avignon School of 14th, 15th and 16th centuries, also French, Italian, Flemish and Dutch Schools; collection of ironwork; lapidary collection of the region and natural history section; Cur. GEORGES DE LOYE.

Musée Basque de Bayonne: 1 rue Marengo, Bayonne (Basses-Pyrénées); f. 1922; four sections covering the history and folklore of the town of Bayonne, the French Basque country, the Spanish Basque country, and the Basques in the New World; Dir. Dr. J. HARITSCHELHAR.

Musée Granvelle: Palais Granvelle, 96 Grande Rue, Besançon; built 1534, museum since 1945; history of Franche-Comté; 17th-century Flemish tapestries; Cur. Mlle CORNILLOT; publ. *Le Palais Granvelle.*

Musée de la Citadelle: Besançon; folklore of Franche-Comté; Cur. Abbé JEAN GARNERET; publ. *Almanach Barbizier.*

Musée des Beaux-Arts: 1 Place de la Révolution, Besançon (Doubs); f. 1843; prehistoric, Greek, Roman, Gallo-Roman, and Burgundian antiquities, paintings, sculpture, ceramics and objets d'art; special section of old clocks and watches; drawings (Paris and Gigoux collections), 15th-20th centuries and 18th-century French in detail; Cur. Mlle CORNILLOT.

Musée de la Coopération Franco-Américaine: Château de Blérancourt (Aisne); f. 1927 to contain collections presented to the State by Mrs. Anna Murray Dike, Miss Anne Morgan, and other French and American benefactors, relating to the history of Franco-American relations; the castle, formerly the ancestral home of the Ducs de Gesvres, is classed as an historical monument; Cur. MAX TERRIER.

Musée des Beaux-Arts: Cours d'Albret, Bordeaux (Gironde); f. 1801; paintings, sculpture, prints and drawings; Cur. JEAN-GABRIEL LEMOINE.

Musée de Normandie: Château de Caen (Calvados); f. 1946; history, archæology and ethnology of Normandy; Cur. Prof. MICHEL DE BOUARD.

Musée Lannelongue: Castéra-Verduzan (Gers); bequeathed to the State in 1912 by Prof. Lannelongue; collection of works of art of all periods; lapidary collection of the district; Cur. M. GAUTHÉ.

Musée des Beaux-Arts: Place de la Sainte-Chapelle, Dijon (Côte-d'Or); f. 1799 and housed in the Palace of the Dukes of Burgundy and the Palace of the States of Burgundy; Swiss primitives; paintings of Franco-Flemish School of 15th century and of other French and foreign schools; prints and drawings; sculptures from tombs of the Dukes of Burgundy; marble, ivory, armour; Cur. PIERRE QUARRÉ; publ. *Bulletin.*

Musée Magnin: 5 rue des Bons-Enfants, Dijon; Curators: G. GOULINAT, PIERRE QUARRE.

Musée des Beaux-Arts: Place de Verdun, Grenoble (Isère); f. 1798; fine collection of paintings of XVIIth century, French, Spanish, Flemish schools; the modern collection includes paintings by Matisse, Braque, Picasso; Egyptology collection; Cur. GABRIELLE KUENY.

Musée-Maison de la Culture du Havre: Chaussée des Etats-Unis, Le Havre; f. 1961; paintings and drawings from the 16th century to the present; sculpture; glass and ceramics; Dir. REYNOLD ARNOULD.

Musées: Le Mans; Cur. RAYMOND BLANC.

Musée de Tesse: 2 rue de Tesse; paintings and sculpture.

Musée Archéologique: 4 rue des Fossés-St. Pierre; Romano-Gallic, mediæval and Renaissance.

Musée de la Reine Bérengère: 11-15 rue de la Reine Bérengère; 16th-century architecture, folklore, ceramics, etc.

Musée de l'Automobile: circuit permanent de la Sarthe; cars, cycles and motorcycles.

Musée des Beaux-Arts: Place de la République, Lille (Nord); f. 1801; paintings of Flemish, Italian, Spanish, French and Dutch Schools; exceptional collection of drawings, sculpture, ceramics and archæological exhibits; Cur. ALBERT CHATELET.

Musée Adrien Dubouché: Place du Champ-de-Foire, Limoges; ceramics; Chief Cur. PIERRE VERLET.

Musée Municipal: Place de la Cathédrale, Limoges (Haute-Vienne); Limoges enamels; Egyptian collection; modern drawings; lapidary collection; Cur. SERGE GAUTHIER.

Musée des Beaux-Arts: Place des Terreaux, Lyon (Rhône); f. 1801 and housed in the former Benedictine Abbey of the Dames de Saint-Pierre, built in 1659; the important collection contains paintings of French, Flemish, Dutch, Italian and Spanish Schools, and sections devoted to local painters, modern art, and murals by Puvis de Chavannes; ancient, medieval and modern sculpture; French, Italian, Oriental and Hispano-Moorish ceramics; drawings, prints, furniture, numismatic collection; Chief Cur. RENÉ JULLIAN; Dep. Cur. MADELEINE ROCHER-JAUNEAU, AMABLE AUDIN; Publ. *Bulletin* (quarterly).

Musée des Beaux-Arts: Palais de Longchamp, Marseille (Bouches-du-Rhône); f. 1801; paintings, French, Foreign and Provençal schools; murals by Puvis de Chavannes; collection of drawings and paintings relating to Puget; sculptures and lithographies by Daumier; Cur. Mme J. LATOUR.

Musée Océanographique de Monaco: Monaco; f. 1899; library of 20,000 vols.; Dir. Commandant JACQUES YVES COUSTEAU.

Musée Fabre: Rue Montpellieret, Montpellier (Hérault); f. 1825 by the painter Fabre; paintings of French (Greuze, Delacroix, Courbet, Bazille), Italian, Spanish and Flemish Schools; drawings, sculpture (Houdon), furniture; Cur. J. F. CLAPARÈDE.

Musée des Beaux-Arts: Place Stanislas, Nancy (Meurthe-et-Moselle); f. 1804; paintings; Cur. DENIS ROUART.

Musée des Beaux-Arts: 10 rue Georges-Clémenceau, Nantes (Loire Atlantique); f. 1804; 2,000 paintings; Cur. LUC BENOIST.

Direction des Musées de Nice: Nice (Alpes-Maritimes); f. 1921; Dir. J. THIRION.

Musée Massena: 65 rue de France and 35 promenade des Anglais; art and history; Curator J. THIRION.

Musée des Beaux-Arts: 33 avenue des Baumettes; painting and sculpture; works of Jules Chéret; Cur; G. MOSSA.

Musée du Vieux-Logis: avenue Saint Barthélemy; antique furniture; Cur. R. P. LEMERRE.

Musée des Ponchettes: 77 quai des Etats-Unis; temporary exhibitions.

Muséum d'Histoire Naturelle: 60 *bis* boulevard Risso; Cur. M. BECK.

Musée des Beaux-Arts: 1 place de la République, Orléans (Loiret); f. 1823 and housed in the former Hôtel de Ville of the 15th and 16th centuries; sculpture; French, Flemish and Dutch paintings and drawings (especially of 17th and 18th centuries); Curator OLGA FRADISSE.

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Musée Balzac: 47 rue Raynouard, Passy; the house where Balzac lived and wrote the *Comédie Humaine*; MSS., letters, drawings, portraits.

Musées de Pau: Pau (Basses Pyrénées); there are four museums:

Musée des Beaux Arts: f. 1864; pictures by French, Flemish, Dutch, Italian, Swedish and Spanish artists; sculptures, engravings and drawings; numismatic and prehistoric collections; Cur. M. D. Ojalvo.

Musée Bernadotte: f. 1935; pictures and documents tracing the career of Jean Baptiste Bernadotte, later King of Sweden; Cur. M. D. Ojalvo.

Musée Régional Béarnais: a collection relating to the Bearnese country; Cur. Simin Palay.

Musée National du Château de Pau: f. 16th century; collection of tapestries; sovereign's apartments, Cur. Jacques de Laprade.

Musées de Poitiers: 9 rue Victor Hugo, Poitiers (Vienne); Cur. J. M. Moulin.

Musée des Beaux-Arts: Hôtel de Ville, place Général-Leclerc; sculpture and paintings, from ancient times to the present day.

Musée Rupert de Chièvres: 9 rue Victor Hugo; industrial and decorative art, local history; (temporarily closed for alterations).

Musée de l'Echevinage: passage de l'Echevinage; archæological collections, prehistoric and Gallo-Roman.

Baptistère Saint-Jean: rue Jean Jaurès; Merovingian archæology.

Hypogée des Dunes: rue Père-Delacroix; 7th to 8th century archæology.

Musée des Beaux-Arts: Quai Emile-Zola, Rennes (Ille-et-Vilaine); f. 1799; paintings of French and foreign Schools, drawings, regional ceramics; Cur. Marie Berhaut.

Musée de Bretagne: Quai Emile Zola, Rennes (Ille-et-Vilaine); f. 1960; 19th-century costumes, furniture popular art, historical documents, etc.; Cur. Marie Berhaut.

Musée des Beaux-Arts: 8 rue Chanzy, Reims (Marne); f. 1752; prehistoric, Celtic, and Gallo-Roman antiquities; paintings (especially Cranach and French School, 17th-century Le Nain, and 19th-century Delacroix-Gauguin), and Corot drawings; "Toiles Peintes", 15th century; tapestries of 15th and 16th centuries; Cur. Olga Popovitch.

Musée Saint-Remi: 53 rue Simon, Reims (Marne); the old abbey of St. Remi (13th to 18th centuries), prehistoric, Celtic, gallo-Roman, romanesque and gothic antiquities and sculptures; Cur. Francois Pomarede.

Musée des Beaux-Arts et de Céramique: Square Solférino, Rouen (Seine-Maritime); f. 1809; paintings, drawings and sculpture; ceramics from Rouen and elsewhere; Cur. Mlle Popovitch.

Musée Annonciade: St. Tropez; paintings by Utrillo, Seurat, etc.; Dir. Dunoyer de Segonzac.

Musée de l'Ile de France: Château de Sceaux (Seine); f. 1935; old and modern paintings, sculpture, engravings, furniture, decorative art, history and popular traditions of the environs of Paris; annexes: Orangerie and Pavillon de l'Aurore (Parc de Sceaux); Chief Cur. René Heron de Villefosse; Cur. Georges Poisson.

Musée Archéologique: Château de Rohan, 2 place du Château, Strasbourg; prehistoric and Gallo-Roman collections; results of excavations in Alsace-Lorraine; Cur. J. J. Hatt.

Musée des Augustins: 2 *ter* rue Alsace-Lorraine, Toulouse (Haute-Garonne); f. 1795 and housed in the former Augustine Convent, of which parts date from the 14th and 15th centuries; mediaeval sculptures, paintings; Cur. Paul Mesple.

Musée des Beaux-Arts: Place François-Sicard, Tours (Indre-et-Loire); f. 1793 and moved in 1910 to the former Archbishop's palace dating from the 17th and 18th centuries; paintings by Mantegna, Rubens, Rembrandt (including his earliest known picture), Boucher, Delacroix, Degas; sculpture by Le Moyne, Houdon, Bourdelle; furniture, tapestries and objets d'art; Cur. Boris Lossky; affiliated museums:

Château de Plessis-lès-Tours: contains collection of souvenirs of Louis XI and St. Francis of Paula; silks, pottery, local industries.

Musée d'Espelosin: museum of wine-making.

Château d'Azay-le-Ferron: buildings and furniture of the 16th to early 19th century.

Musées Archéologiques de Touraine: Hôtel Babou, 8 place Foire-le-Roi and Hôtel Gouin, 33 rue du Commerce.

Musée de l'Hôtel de Ville: Amboise; f. 1895; autographs of French kings from Louis XI to Louis XIV, mediaeval sculptures, objects relating to the Duc de Choiseul and the Château de Chanteloup; Cur. Boris Lossky.

Musée de Richelieu: Hôtel de Ville, Richelieu, (Indre-et-Loire); f. 1961; objects of art, historical souvenirs relating to Cardinal Richelieu and the castle and town of Richelieu; Cur. Boris Lossky.

Musée des Beaux-Arts: boulevard Watteau, Valenciennes; painting, sculpture, folklore, tapestry, etc.; Cur. Claude Souviron.

STATE UNIVERSITIES

UNIVERSITÉ D'AIX-MARSEILLE

30 COURS MIRABEAU, AIX-EN-PROVENCE
Telephone: 1967-1968-426-3647
Founded 1409

Rector: J. Blache.
Secretary: L. Gleizes.
Librarian: De Tournadre.

The libraries contain about 639,000 volumes.
Number of teaching staff: 731, including 169 professors.
Number of students: 21,000 (men and women).
Publications: *Annales de la Faculté de Droit d'Aix, Annales de la Faculté de Lettres d'Aix, Annales de la Faculté des Sciences de Marseille.*

Deans:
Faculty of Law at Aix: J. Boulouis.
Faculty of Letters at Aix: B. Guyon.
Faculty of Medicine and Pharmacy at Marseilles: G. Morin.
Faculty of Sciences at Marseilles: P. Rouard.
Faculty of Law at Nice: L. Trotabas.

Professors;
Faculty of Law and of Economic Sciences at Aix:
Audinet, A. (Civil Law).
Audinet, J. (Private Law).
Bertrand (Civil Law).
Blanc-Jouvan (Private Law).

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BONNASSIES (Private Law).
BOULOUIS, J. (Public Law).
DURAND (Constitutional Law).
FLORY (Public Law).
JAUFFRET (Commercial Law).
KAYSER (Civil Law).
LATIL (Political Economy).
LEBRET (Criminal Law).
LE BRETON (Criminal Law).
LOBIN, Mlle. (Private Law).
MACQUERON (Roman Law).
MARCY (Political Economy).
MOREL (History of Law).
PRADELLE, DE GEOUFFRE DE LA (Public International Law).
SELLIER (Political Economy).
VIALA (History of Law).
ZARKA (Political Economy).

Faculty of Letters and Human Sciences at Aix:
ARRIGHI (Italian Language and Literature).
BOURDE (Modern History).
CARRÈRE (English Literature).
CLAVEL (English and North American Language, Literature and Civilisation).
DELEBECQUE (Greek Language and Literature).
DEVIVAISE (Philosophy).
DUBY (Medieval History).
FARGUES (Latin Literature).
FLUCHÈRE (English Language and Literature).
GUILLON (Greek Archæology and Civilisation).
GUIRAL (Modern and Contemporary History).
GUYON (French Literature).
JONIN (French Literature of the Middle Ages and Renaissance).
ISNARD (Geography of the French Union and the Tropics).
MÉRY (Philosophy).
MEYER (General Philosophy and Logic).
MOULINIER (Greek Language and Literature).
PALANQUE (Ancient History).
POUQUET (Geography).
ROSTAING (Romance Languages).
RUFF (French Literature).
SAGAVE (German Language and Literature).
TALADOIRE (Latin Language and Literature).
TOURNEAU, LE (Muslim Civilisation).
WOLKOWITSCH (Geography).

Faculty of Medicine and Pharmacy at Marseilles:
APPAIX (Clinical Oto-Rhino-Laryngology).
ARNOUX (Analytical Chemistry).
AUDIER (Internal Medicine).
BALANSARD (Materia Medica).
BLANC (Clinical Tropical Diseases).
BRAHIC (Bacteriology and General Pathology).
CARCASSONNE (Surgical Pathology).
CHARPIN (Clinical Pneumo-Phthisiology).
CHOSSON (Clinical Obstetrics and Gynæcology).
CRÉMIEUX (Nervous Ailments).
DELPHAUT (Galenic Pharmacy).
DERRIEN (Medical Chemistry).
DONNET (Experimental Medicine).
DOR (Surgical Pathology).
DUBOULOZ (Physical Medicine).
DUCASSOU (Clinical Urology).
DUMAZERT (Chemistry).
GASTAUT (Pathological Anatomy).
GIRAUD (Clinical Child Medicine).
GRANJON (Surgical Pathology).
GREBUS (Microbiology).
GRISOLI (Anatomy).
HENRY (Anatomy and Experimental Surgery).
JAYLE (Clinical Ophthalmology).
JOUVE (Clinical and Experimental Cardiology).
LAMY (Clinical Surgery).
LAVAL (Physiopathology).
LENA (Surgical Pathology).
LISSITZKY (Medical Biochemistry).
MARONNEAUD (Stomatology).
MATTEI (Clinical Medicine).
MERCIER, F. (Pharmacology).
MERCIER, J. (Pharmacology).
MONGES (Internal Pathology).
MORIN (Physiology).
MOSINGER (Forensic and Industrial Medecine).
MOURGUE (Mineral Chemistry).
OLMER (Clinical Therapeutic Medecine).
PAILLAS (Clinical Neuro-Surgery).
PELLISSIER (Cryptogamy and Botany).
PICARD (Histology).
PIÉRI (Therapeutics).
POINSO (Clinical Medicine).
RANQUE (Parasitology).
RAYBAUD (Infectious Diseases).
RECORDIER (Digestive and Nutritional Diseases).
ROUX (Physical Medecine).
SALMON (Clinical Child Surgery and Orthopædics).
SAUTET (Hygiene and Welfare Services).
STAHL (Histology and Embryology).
VAGUE (Medical Endocrinology).
VIGNOLI (Chemical Pharmacy and Toxicology).

Faculty of Sciences at Marseilles.
ABELOOS (General Biology).
AMAR (Animal Biology).
ARAGNOL (General Biology).
BERTRAND (Chemistry).
BLANCHARD (General Mathematics).
BODIOU (Mathematical Technique of Physics).
BOUGHON (Mathematics).
BOUSQUET (Physics).
CALVET (Chemistry).
CARPENI (Chemistry).
CASAL (Rational and Applied Mechanics).
CERIGHELLI (Agronomy).
CHOUTEAU (Animal Physiology).
CLARION, Mlle. (Fluid Mechanics).
CORROY (Geology and Mineralogy).
COTTON (Electronics and Radioelectricity).
COULON (Physics).
DESNUELLE (Biochemistry, Fats and Oils).
DEVEZE (Oceanography).
DOUCET (Physics).
DUSSARDIER (Animal Physiology).
FAVRE (Meterorology and Atmospheric Mechanics).
FEHRENBACH (Astronomy).
FOURES, L. (General Mathematics)
FURNESTIN, Mme. (Animal Biology).
GOUVERNET (Applied Geology).
GUILLEMONAT (Industrial Chemistry).
JAUSSERAN (Physics).
JULG (Chemistry).
KASTLER (Theoretical Physics).
LAFFITTE (Chemistry).
LEFEBVRE (Chemistry).
MALÉ (Atomic and Molecular Physics).
MÉRIGOUX (Industrial Physics).
METZGER (Chemistry).
MOLINIER (Plant Biology).
MONIER (Biochemistry).
NAHON (Mathematics).
NAUDET (Chemistry).
PAILLARD (Psycho Physiology).
PERES (Marine Biology).
PERROT (Electricity).
PESTEIL (Physics).
PRAT (Botany).
QUEZEL-EMBRUNAZ (Plant Biology).
ROUARD (General Physics).
ROYER (Mineralogy).
SAVIDAN (Chemistry).
SAVORNIN (Physics).
SOURIAU (Mathematical Methods of Physics).
TAXY, Mme. (Geology).
TIMON-DAVID (General Zoology).
TROMPETTE (Physics).
VALENSI (Practical Fluid Mechanics).
VINCENSINI (Higher Geometry, Differential and Integral Calculus).
VISCONTI (Theoretical Physics).
WACHS (General Mathematics).

Faculty of Law and Economic Sciences:
AUBENAS (History of Law).
CABY (Commercial Law).
DERRIDA (Civil Law).
DISCHAMPS (Political Economy).

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DUPUY (Public Law).
FONTANEAU (Political Economy).
FOURGEAUD (Political Economy).
GUIHENEUF (Political Economy).
TROTABAS (Public Law).
WEIL (Administrative Law).

Centre Universitaire Méditerranéen de Nice.
Administrator: P. MONTEL.

College Littéraire Universitaire de Nice.
Director: Prof. RUFF.

Institut de Médecine Expérimentale de Nice.
Director: Prof. MORIN.

UNIVERSITÉ DE BESANÇON

8 RUE DE LA CONVENTION, BESANÇON
Telephone: 83-64-72

Founded 1422 at Dôle, 1691 at Besançon.

Rector: F. PONTEIL.
Secretary: M. MARTIN.

Number of professors: 78.
Number of students: 1,561 men, 1,328 women, total 2,889.
Publications: *La Vie de l'Université, Livret de l'Etudiant,* annuals.

DEANS:

Faculty of Sciences: R. JACQUEMAIN.
Faculty of Letters: M. CHEVALIER.
Faculty of Medicine: M. BRUINON.
Independent Faculty of Law: M. CORNET.

PROFESSORS:

Faculty of Sciences:
BAILLAUD, L. (Botany).
BERNARD, J. (Physical Chemistry).
CHALEAT, R. (Applied Mechanics).
CHATELET, F. (Differential and Integral Calculus).
CROISOT, ROBERT (Mathematics).
DELHAYE, J. (Astronomy).
DREYFUSS, MAURICE (Geology, Mineralogy).
DUFFIEUX, M. (General Physics).
JACQUEMAIN, RENÉ (Applied Chemistry).
MESNAGE, P. (Chronometry).
NAHON, F. (Mechanics).
PERROT, ROGER (General Dhemistry).
POTIER, R. (Physics).
QUANTIN, ANDRÉ (Botany).
RIGAL, J. L. (Mathematics).
RIPPLINGER, J. (Zoology).
ROZIS, A. M. (Physics).
THEOBALD, NICOLAS (Geology).
THIEBAUT, J. (Geology, Mineralogy).
TRONCHET, A. (Botany).
UEBERSFELD, J. (General Physics).

Faculty of Letters:
AUBENQUE, P. (Philosophy).
BADER, F. (Mme.) (Classical Philology).
BLUCHE, F. (Modern History).
CHEVALIER, MICHEL (Geography).
COUSIN, J. (Latin Language and Literature).
DEROZIER, A. (Spanish Language and Literature).
FINK, G. (German Language and Literature).
FOHLEN, C. (Modern History).
FOURRIER, G. (German Language and Literature).
GRANGE (Comparative Literature).
HAMARD, J. (English Language and Literature).
LERAT, L. (Archæology and History of Ancient Art).
LEVEQUE, P. (Ancient History).
MATORÉ, G. (French Language).
MITTERAND, H. (French Philology).
PRIEUR, (Mlle. S.) (English Language and Literature).
QUEMADA, B. (French Philology).
REY, M. (Medieval History).
ROBERT, GUY (French Literature).
ROUGERIE, G. (Geography).
SCHERRER, Y. (Greek Language and Literature).
VARET, G. (Philosophy).

School of Medicine and Pharmacy:
BOUVEROT, P. (Physiology).
BRUINON, M. (Physics).
CARIAGE, J. L. (Hygiene).
COTTE (Forensic Medicine).
DUVERNOY, H. (Anatomy).
GEHY, J. M. (Botany).
GISSELBRECHT, H. (Physiology).
GOMET, C. (Internal Pathology).
HENRIET, J. (Anatomy).
LAUGIER, P. (Dermatology).
LECONTE DES FLORIS (Obstetrics and Gynæcology).
LEVILLAIN, R. (Pathological Anatomy).
MAGNIN, P. (Pharmacology).
MALINAS, Y. (Obstetrics).
MILLERET, P. (External Medicine).
ROLAND, H. (Internal Medicine).
SIBILLY, A. (Surgery).
VOLMAT, R. (Neurology and Psychiatry).

Independent Faculty of Law:
ALLUIN (Political Economy).
BAILLEUL (Criminal Law).
BAVOUX (Civil Law).
BOURGEAU (Civil Law and Legislation).
BURTIN (Mme.) (Political Economy).
CORNET (Commercial Law).
DAVID (Registration).
DEFRASNE (Political Sciences).
DEGUEURCE, F. (Civil Law).
FAIVRE D'ARCIER (International Law).
FOHLEN (Political Economy).
GAUDOT (Political Economy).
GLASSON, (Mlle. C.) (Political Economy).
JEANNETTE, ANDRÉ (Financial Institutions).
KOHLER (Civil Law).
LORACH (International Law).
MOREAU, FRANÇOIS (Civil Law).
MULLER (History of Law).
NOUVEAU, JEAN (Roman Law).
OGIER (Commercial Law).
PERRIN (Civil Law).
PORTERAT (Civil Procedure).
POURCHET, PAUL (Roman Law).
RACLE (Notarial Training).
RIETSCH, JACQUES (Administrative Law).

Institut de Chimie: 32 rue Mégevand, Besançon; Dir. R. JACQUEMAIN.

École Nationale Supérieure de Chronométrie et de Micro-méchanique: 41 avenue Villarceau, Besançon; Dir. P. MESNAGE.

Institut de Promotion Supérieure du Travail: place Leclerc, Besançon; Dir. R. JACQUEMAIN.

Institut de Langue et de Civilisation Française pour les Etudiants étrangers.
Director: B. QUEMADA.
Secretary: R. ROUQUAIROL.

UNIVERSITÉ DE BORDEAUX

29 COURS D'ALBRET, BORDEAUX
Telephone: 44-76-53

Founded 1441.

Rector: JEAN BABIN.

Number of teaching staff: 244, including 106 professors.
Number of students: 8,307 men, 6,100 women, total 14,407.

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DEANS:

Faculty of Law: JOSEPH LAJUGIE.
Faculty of Medicine and Pharmacy: FRANCIS TAYEAU.
Faculty of Sciences: GEORGES BRUS.
Faculty of Letters: LOUIS PAPY.
Director of Observatory: PIERRE SÉMIROT.

PROFESSORS:

Faculty of Law:

AUBY (Administrative Law).
BRÈTHE DE LA GRESSAYE (Civil Law).
CHAUVEAU (Civil Law).
DERRUPPE (Commercial Law).
DUCOS-ADER (Administrative Law).
ELLUL (History of Law).
GARRIGOU-LAGRANGE, A. (Political Economy).
HUBRECHT, G. (History of Law; Roman Law).
JAUBERT, P. (History of Law).
LAJUGIE (Political Economy and Financial Science).
MABILEAU (Constitutional Law).
MÉRIGOT (Political Economy).
MERLE (Public International Law).
PERRET (Civil Law).
PEYREGA (Political Economy).
ROBINO (Civil Law).
ROUQUET-LA GARRIGUE (Political Economy; Statistics).
SCHNAPPER (History of Law).
SEURIN (Public Law).
VANDENBOSSCHE (History of Law).

Faculty of Medicine and Pharmacy:

AUBERTIN, E. (Clinical Medicine and Infectious Diseases).
BERGOUIGNAN, M. (Nervous and Mental Pathology).
BESSIÈRE, E. (Ophthalmology).
BLANQUET, P. (Applied Nuclear Physcis and Radiobiology).
BROUSTET, P. (Clinical Medicine).
CASTAGNOU, R. (Applied Hygiene and Toxicology).
CAZAUX, P. (Hydrology).
DELMAS-MARSALET, P. (Neurology and Psycho-Pathology).
DERVILLÉE, P. (Forensic and Industrial Medicine).
DUBARRY, J. (Hydropathy and Climatology).
DUBECQ, X. J. (Odonto-Stomatology).
DUBOURG (Clinical Surgery of Cardiac Diseases).
DUFOUR (Anatomy).
FABRE, R. (Physiology).
FAURE, J. (Physiopathology and Neurophysiology).
FONTAN, A. (Children's Diseases).
FREOUR (Tuberculosis).
GIRARD, R. (Botany).
GRAILLY, R. DE (Clinical Medicine).
LACHAPÈLE, A. (Carcinology).
LANGE, J. (Urinology).
LAUMONIER, P. (Pathology and Surgical Technique).
LE COULANT, P. (Dermatology and Syphilology).
LÉGER, A. (Pathological Anatomy).
LENG-LÉVY (Clinical Medicine).
LETAC, R. (Pathology and Surgical Research).
MAGENDIE, J. (Clinical Surgery).
MAHON, P. (Obstetrics).
MANDOUL (Zoology and Parasitology).
MASQUELIER, J. (Materia Medica).
MASSÉ, L. (Surgery).
MAYER, G. (Anatomy and Histology).
MESNARD (Chemistry).
MORETTI, G. (Tropical Medicine and Hygiene).
MOUSTARDIER, G. (Bacteriology).
NEUZIL, E. (Medical Biochemistry).
PAUTRIZEL, R. (Immunology).
PIFFAULT, C. (Medical and Pharmaceutical Physics).
PORTMANN, G. (Oto-Rhino-Laryngology).
POUYANNE (Child Surgery and Orthopædics).
QUILICHINI, R. (Galenic Pharmacy).
REBOUL, J. (Radiology and Medical Electricity).
RIVIÈRE, M. (Obstetrics).
ROUGIER, Mlle. G. (Applied Biology and Physical Education).
SARIC (General and Experimental Pathology).
STOLL, R. (Biology).
TAYEAU, F. (Biological and Medical Chemistry).
TRAISSAC, F. J. (Therapeutics).
VILLAR, J. (Clinical Gynaecology).
VITTE, G. (Chemical Pharmacy and Pharmacodynamics).

Faculty of Sciences:

ALLARD, J. (Chemistry).
AVEL, M. (Zoology and Animal Physiology).
BAGANAS (Mathematics).
BLONDEL (Mathematics).
BORDES (Prehistory).
BOUNHIOL, J. J. (Zoology).
BRUS, G. (Chemistry).
CALAS, R. (Organic Chemistry).
CAMBAR, R. (General Biology).
CAU, M. (Experimental Physics).
CHASTEL, R. (Nuclear Physics).
CLASTRE (Crystallography).
COLMEZ (Mathematical Physics).
CRÉAC, H. (Comparative Biochemistry of Nutrition).
DANGEARD, P. (Botany).
DAVID, R. (Plant Biology).
DUFRESNOY, J. (General Mathematics).
EYME (Botany).
FRAINNET (Organic Chemistry).
GAY, R. (Mineralogy).
GENEVOIS, L. (Bio-Chemistry and Plant Physiology).
GOTTIS (Advanced Geology).
GUIZONNIER, R. (Physics).
HAGENMULLER (Mineral Chemistry).
HAGET, A. (Experimental Zoology).
HOARAU (Physical Chemistry).
LAFARGUE (Physics).
LAFON, M. (General Physiology).
LALANDE, R. (Applied Chemistry).
LAMARE, P. (Geology and Mineralogy).
LEMANCEAU (Chemistry).
LOUDETTE, P. (Physics).
MARCHAND, A. (Chemistry).
MAURET (Organic Chemistry).
MILLOUX, H. (Infinitesimal Calculus).
PACAULT, A. (Physical Chemistry).
PATY (Chemistry).
RIBÉREAU-GAYON, J. (Œnology and Agricultural Chemistry).
RISS, J. (Mathematics).
ROGER, F. (Rational Mechanics).
ROUSSET, A. (General Physics).
RUAMPS, J. (Electronic Physics).
SCHOELLER, H. (Geology).
SECHET, J. (Botany).
SÉMIROT, P. (Astronomy).
SERVANT, R. (Physics).
TISON, Mde. F. (Mathematics).
VALENTIN, F. (Physics).
VIGNEAUX, M. (Geology).
WEILL, R. (Embryology and Comparative Anatomy).

Faculty of Letters:

BARRIÈRE, P. (French Literature).
BOURRICAUD, F. (Social Science).
BRAURE, M. (Modern and Contemporary History).
BURGUIÈRE, P. (Grammar of Classical Languages).
CHATEAU, J. (Psychology and Pedagogy).
CHEVALIER, F. (Latin American Civilisation).
DARTIGUE-PEYROU (History of Bordeaux and S.W. France).
DAVAL, R. (Logic and Philosophy of Science).
DESPORT, Mlle M. (Latin Philology).
DUPEUX, G. (Modern and Contemporary History).
ENJALBERT, H. (Geography).
ESCARPIT, R. (Comparative Literature).
ETIENNE, R. (Roman History).
FLOTTES, P. (French Language and Literature).
FOURNIER, H. (Comparative Grammar and Philology).
HAURY, A. (Latin Language and Literature).
HIGOUNET, C. (Auxiliary Historical Sciences).
LACROZE, R. (Philosophy).
LAFON, R. (Basque Language and Literature).
LEFÈVRE, Y. (Language and Literature of South-West France.)
LOISEAU, J. (English Language and Literature).
LUCIANI, G. (Slavonic Languages, Literatures and Cultures).
MARACHE, M. (German Language and Literature).
MÉTAIS, P. (Ethnology).
MOREAU, J. (History of Philosophy and Science).
PAPY, L. (Geography).
PARISET, F. (History of Modern and Contemporary Art)
ROUCHÉ, M. (German Literature and Civilisation).

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ROUCHETTE, J. (Italian).
SALOMON, N. (Spanish and Latin-American Language and Literature).
VERNIÉRE, P. (Modern and Contemporary French Literature).

UNIVERSITÉ DE CAEN

ESPLANADE DE LA PAIX, CAEN

Telephone: 81-59-10

Founded 1432 in Caen

Rector: P. DAURE.
Secretary-General: M. LEGAUD.

Number of teaching staff: 225, including 125 professors.
Number of students: 3,344 men, 2,167 women, total 5,511.

DEANS:

Faculty of Jurisprudence: H. LEMONNIER.
Faculty of Sciences: N. LOZAC'H.
Faculty of Letters: M. DE BOUARD.
Director of School of Medicine (Caen): Dr. MORICE.
Director of School of Medicine (Rouen): Dr. FLEURY.

PROFESSORS:

Faculty of Jurisprudence:
BARRE (Political Economy).
BOUTARD (Civil Law).
CARABIE (Roman Law).
CARDASCIA (Roman Law).
JAMBU-MERLIN (Commercial Law).
JOLY (Civil Procedure).
LADREIT DE LACHARRIÈRE (Administrative Law).
LEMONNIER (Civil Law).
LEPARGNEUR (Commercial Law).
MORANGE (Public Law).
NGUYEN QUOC DINH (Public Law).
PASQUIER (Political Economy).
PERREAU (Criminal Law and Penal Procedure).
PLAISANT (Civil Law).
ROCHE (Public Law).
SOYER (Civil Law).
YVER (History of Law).

Faculty of Sciences:
APERY (Differential and Integral Calculus).
BACHELET (Chemistry).
BINET (Botany).
BOCQUET (Zoology).
CAMPBELL (Mathematics).
COJAN (Physics).
COLOMBANI (Physics).
CONIA (Chemistry).
DANGEARD (Geology and Palæontology).
GIACOMO (Physics).
GRAFF (Chemistry).
JACQUET (Microbiology).
LE ROUX (Physics).
LOZAC'H (Chemistry).
MALLIAVIN (Mathematics).
MONIER (Mineralogy).
PALLU DE LA BARRIÈRE (Mathematics).
PHAM (Mathematics).
PITOT (Botany).
REY (Zoology).
SCHERER (Physics and Mineralogy).
VIALLE (Chemistry).
WALTER-LÉVY (Chemistry).

Faculty of Letters:
BLOCH (Psychology).
BORNECQUE (Modern French Language and Literature).
BOUARD, DE (Norman and Medieval History).
COSTIL (Greek Language and Literature).
DURAND (Scandinavian Language and Literature).
GARAPON (French).
HARMAND (Ancient History).
JOURNAUX (Geography).
JUMEAU (Latin Language and Literature).
LECLAIRE (Language and Literature of Anglo-Saxon Peoples).
LEVEQUE (Philosophy).
LOUIS (Medieval and Renaissance French Language and Literature).
MICHA (Medieval and 16th Century French).
MONOD (English Language and Literature).
VIDALENC (Modern and Contemporary History).

School of Medicine and Pharmacy (Caen):
BONNET (Obstetrics).
CHAPERON (Clinical Surgery).
GUIBÉ (Surgery).
LACROIX (Anatomy).
LHIRONDEL (Experimental Medicine).
MORICE (Clinical and Surgical Pathology).
OLIVIER (Clinical Medicine).
PORIN (Clinical Medicine).
ROUSSELOT (Pathological Anatomy).
TUBIANA (Medical Physics).
VILLEY (Clinical Medicine).

School of Medicine and Pharmacy (Rouen):
CARTIER (Medical Biochemistry).
DESSAINT (Clinical Surgery for Infants).
FLEURY (Clinical Medicine for Infants).
HECTOR (Surgical Pathology).
JOUANNEAU (Clinical Surgery).
LAUMONIER (Pathological Anatomy).
LAURET (Obstetrics).
MAHOUDEAU (Medical Pathology).
POTEZ (Clinical Medicine).
SEYER (Anatomy).
STEWART (Clinical Dermato-Syphilography).

AFFILIATED INSTITUTE:

Institut de Chemie: Nouvelle Université, Caen (Calvados); f. 1926; Dir. Prof. N. LOZAC'H; 60 undergraduate students (three-year course), 20 graduate students engaged in research work; 6 professors.

UNIVERSITÉ DE CLERMONT-FERRAND

3 AVENUE VERCINGETORIX,
CLERMONT-FERRAND

Telephone: 92-93-67

Founded 1810.

Rector: ETIENNE LAPALUS.
Secretary of the University: M. FLEURY.
Secretaries of the Faculties: M. BRETAGNE, M. BERTHON.
Librarian: (Vacant).

Number of teaching staff: 223, including 51 professors.
Number of students: 2,398 men, 2,561 women, total 4,959.

DEANS:

Faculty of Science: P. REMY.
Faculty of Arts: F. VIAN.
Faculty of Law: J. PARENT.
Faculty of Medicine and Pharmacy: R. CUVELIER.

PROFESSORS:

Faculty of Science:
AVAN (Experimental Physics).
BLANC (Rational Mechanics).
CHAZE (Botany).
DUBOIS (Physics).
DUPLESSIS-KERGOMARD (Chemistry).
HENNEQUIN (Calculus).
HOVASSE (Zoology).
KRASNER (Algebra).
LAPADU-HARGUES (Mineralogy).
LUTZ (Zoology).
PARIAUD (Chemistry, Physics).
RAMBAUD (General Chemistry).
RAOULT (Physics).
RÉMY (Industrial Chemistry).
ROQUES (Geology and Mineralogy).
TRUFFAULT (Industrial Chemistry).

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Faculty of Arts:
BLONDEL (English).
BOSSUAT (History of the Middle Ages).
DERRUAU (Geography).
ESTIENNE (Geography).
FOUCAULT (Philosophy).
GACHON (Geography).
GARAUDY (Philosophy).
RAYNAUD DE LAGE (Philology).
RICATTE (French).
RICCI (German Literature).
VALLET (Latin).
VIAN (Greek).

Faculty of Law:
GILLES (Roman Law and History of Law).
MOUCHET (Political Economy).
PARENT (Political Economy).
PETOT (Public Law).
ROLAND (Private Law).
RUZIE (Public Law).
STOUFFLET (Commercial Law).

Faculty of Medicine and Pharmacy:
BARRIER (Clinical Surgery).
BAUDON (Clinical Obstetrics).
BERGERON (Medical Pathology).
BERNARD-GRIFFITHS (Therapeutics).
COULET (Botany and Cryptogramy).
CUVELIER (Hydrology).
DASTUGUE (Biological Chemistry).
DAUPHIN (Pharmaceutical Chemistry and Toxicology).
GRAS (Therapeutics).
JACQUEMET (Operative Medicine).
LATAIX (Surgical Pathology).
POMME (Neurology and Psychiatry).
POURRAT (Medical Materials).
ROUHER (Clinical Ophthalmology).
TERRASSE, JEAN (Clinical Medicine).
THIÉBLOT (Physiology).
TRONCHE (Clinical Pharmacy).
WILLEMIN-CLOG (Children's Diseases).

UNIVERSITÉ DE DIJON

2 RUE CRÉBILLON, DIJON

Telephone: 31-83-32

Founded 1722.

President and Rector: MARCEL BOUCHARD.
Secretary: LUCIEN TREVIN.
Librarian: Mlle BARTHÉLEMY.

Number of teaching staff: 163, including 43 professors.
Number of students: 4,532.
Publication: *Publications* (monographs).

DEANS:

Faculty of Arts: ROLAND MARTIN.
Faculty of Sciences: RAYMOND CIRY.
Faculty of Law: JACQUES DEHAUSSY.
School of Medicine and Pharmacy: JOSEPH DE GIRARDIER (*Director*).

PROFESSORS:

Faculty of Arts:
ARMENGAUD (Contemporary History).
CHARDONNET (Geography).
CHASTAING (Psychology).
CORBET (Russian Language).
DUBOIS (Geography).
FOLZ (Medieval History).
GRIVELET (English Language and Literature).
KOESSLER (German Literature).
LE GALL (Ancient History).
LE ROY (Philosophy).
MARTIN (Classical Grammar and Philology).
PARAIN-VIAL, (Mme.) (Philosophy).
PRUNER, F. (French Language and Literature).
RICHARD (Burgundian History, Literature and Dialect).
SAINT DENIS, DE (Latin Language and Literature).
TALON (English Language and Literature).
TERNOIS (Comparative Literature).

Faculty of Sciences:
ARBAULT (Mathematics).
ARNAL, C. (Botany).
BARRET (Chemistry).
BOUCHARD (Radioelectricity).
CLEMENT (Animal Physiology).
DECOMBE (Applied Chemistry).
DENIS (Zoology).
HUSSON (General Biology).
LAGRANGE (Differential and Integral Calculus).
ORGEVAL-DUBOUCHET, D' (Rational Mechanics).
TIROUFLET (General Chemistry).

Faculty of Law:
BLONDEL (Public Law).
CHEVRIER (History of Law).
DEHAUSSY, J. (Public Law).
DOMARCHI (Political Economy).
FLAMANT (Political Economy).
GAVALDA (Roman Law).
LOUIS-LUCAS (Private International Law).
LYON-CAEN (Civil Law).
PONSARD (Civil Law).
PROU (Political Economy).

School of Medicine and Pharmacy:
BARON (Clinical Obstetrics).
BARRY (Anatomy).
BIZOT (Pharmacy and Materia Medica).
BIZOT, M. (Botany and Cryptogamy).
CABANNE (Pathological Anatomy).
CORTET (Medical Pathology).
DE GIRARDIER (Clinical Surgery).
DUBARD (Surgical Pathology).
JEANNIN (Clinical Child Medicine).
KLEPPING (Physiology).
MICHEL (Analytical Chemistry).
PALLOT, G. (Histology).
PICHAT (Bacteriology).
(Vacant—Biological Chemistry).

UNIVERSITÉ DE GRENOBLE

7 PLACE BIR-HAKEIM, GRENOBLE

Telephone: 44-14-50 and 44-14-51

Founded 1339.

Rector: R. TRÉHIN.
Secretary: M. SCHNEIDER.

Number of teaching staff: 166, including 96 professors.
Number of students: 6,042 men, 3,570 women, total 9,612.

Publications: *Revue de Géographie Alpine, Textes et Statistiques, Annales de la Faculté des Sciences, Publications du Laboratoire de Géologie, Publications de la Faculté de Droit, Publications de la Faculté des Lettres, Vie de l'Université de Grenoble.*

DEANS:

Faculty of Law: J. MAILLET.
Faculty of Sciences: L. WEIL.
Faculty of Letters: P. VEYRET.
Faculty of Medicine: J. ROGET.

PROFESSORS

Faculty of Law and Economic Sciences:
BROCHIER, H. (Political Economy) (on leave).
CATALA, P. (Civil Law).
CHARPENTIER (Public Law).
CHEVALLIER, P. (Institutional and Social History) (on leave).
DE BERNIS ,G. (Political Economy).
DUCROS B. (Political Economy).
GAY, J. (Public Institutions).
GIVERDON, C. (Civil Law).
GIVORD, F. (Civil Law).
GORÉ, F. (Civil Law).
GUCLIELMI, J. L. (Political Economy).

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HAMON (Public Law.)
KHÉRIAN, G. (Political Economy).
LARGUIER, J. (Criminal Law).
LAVAU, G. (Constitutional Law).
LECA, J. (Public Law).
MAILLET, J. (Institutional and Social History).
MOSSÉ, R. (Political Economy).
PAGE, A. (Political Economy).
QUERMONNE, J. L. (Public Law).
THIERRY, H. (Public Law) (on leave).

Faculty of Sciences:

AYANT, Y. (Physics).
BARBIER, R. (Applied Geology).
BENOIT, J. (Radio-Electricity).
BESSON, J. (Mineral Chemistry).
BLAMBERT (Mathematics).
BONNIER (Electro-Chemistry).
BOUCHEZ (Nuclear Physics).
CHABAUTY, C. (Differential and Integral Calculus).
CHÊNE, M. (Chemistry of Paper).
CRAYA (Hydrodynamics).
DEBELMAS, J. (Geology).
DESSAUX, G. (Animal Physiology).
DORIER, A. (Zoology).
FALLOT M. (Electrotechnics).
FELICI, N. (Physics).
GALLISSOT, F. (Mechanics).
GALVANI, O. (Mathematics).
GERBER, R. (Mathematics).
HEILMANN, R. (Chemistry).
KRAVTCHENKO, J. (Mathematics).
KUNTZMANN, J. (Mathematical Physics).
LILLET, E. (Electrotechnics).
LLIBOUTRY (Physics).
LUTZ, Mlle. (General Mathematics).
MICHEL (Geology and Mineralogy).
MOUSSA, A. (Nuclear Chemistry and Radio-activity).
NÉEL, L. (Experimental Physics).
OZENDA, P. (Botany).
PARDÉ, M. (Fluvial Hydrology).
PAUTHENET, R. (Electrotechnics).
REEB, G. (Mathematics).
REVLOS, R. (Physics).
SANTON, L. (Fluid Mechanics).
SOUTIF, M. (Physics).
TRAYNARD, P. (Chemistry).
VAUQUOIS, B. (Electronic Calculus).
WEIL, L. (Physics).
WOLFERS, F. (Experimental Physics).

Faculty of Letters:

BARATIER, P. (English Language and Literature).
BLIGNY (History of the Middle Ages).
CARACCIO, A. (Italian Language and Literature).
CELLIER, L. (French Literature).
CHAIX-RUY, J. (Philosophy and Aesthetics).
DEL LITTO (Italian Literature and Comparative French).
DESSENNE (Greek Literature and Institutions).
GORÉ, Mme. (French Literature and Thought of the 17th and 18th Century).
GUICHARD, L. (History of Art).
JALABERT, J. (Philosophy).
JOBERT, A. (Modern and Contemporary History).
LAPEYRE (Modern History).
LE HIR, Y. (Modern French Philology).
MARTIN (Classical Philology).
MASSEPORT, J. (Geography).
MILLET, L. (Psychology).
PERROCHAT, P. (Roman Literature and Institutions).
PETIT, P. (Ancient History).
ROBERT, A. (German Language and Literature).
VEYRET, Mme. G. (Geography).
VEYRET, P. (Mountain Geography).

Faculty of Medicine and Pharmacy:

ARNAUD, G. (Clinical Infectious Diseases).
BOUCHERLE, A. (Chemistry and Toxicology).
CABANAC, J. (External Pathology).
CALAS (Anatomy).
CARRAZ, G. (Natural History).
COEUR, A. (Chemical Pharmacy).
CONTAMIN, A.-R. (Gynæcology).
DEBELMAS, Mme. (Pharmacy and Medical Materials).
DUGEOIS (Dermatology and Syphilography).
FAU, R. (Neuro-psychiatry).
GRANDMAISON, L. (Clinical Medicine).
HOURIQUAND (Histology).
JOYEUX (Morbid Anatomy).
LEDRU, J. (Clinical Medicine).
LEMARCHANDS (Physiology).
MAZARE (General Medicine).
PIAGET (Oto-Rhino-Laryngology).
REBOUD, P. (Obstetrics).
RINALDI, R. (Physical Medicine).
ROGET, J. (Pædiatrics).
SEIGNEURIN (Bacteriology and Hygiene).

AFFILIATED INSTITUTES AND SCHOOLS:

Institut d'Etudes Commerciales.
Director: C. GIVERDON.

Institut Economique et Juridique de l'Energie.
Director: G. DE BERNIS.

Institut d'Etudes Politiques.
Director: J. L. QUERMONNE.

Institut d'Etudes Sociales.
Director: G. DE BERNIS.

Ecole Nationale Supérieure d'Electrotechnique, d'Hydraulique et de Radioélectricité (part of the Institut Polytechnique de Grenoble: 44-46 avenue Félix-Viallet.
Director: L. NÉEL.

Ecole Française de Papeterie (part of the Institute Polytechnique de Grenoble): 44-46 avenue Félix-Viallet;
Director: M. CHENE.

Ecole Nationale Supérieure d'Electrochimie et d'Electrométallurgie.
Director: G. BESSON.

Ecole d'Ingenieurs Electroniciens.
Director: J. BENOIT.

Institut de la Promotion Supérieure du Travail.
Director: BRYLE-BODIN.

Ecole d'été de Physique Théorique des Houches.
Director: Mme DE WITT.

Centre Pédagogique Régional de l'Académie de Grenoble.
Director: BENOIT.

Ecole Préparatoire à l'Enseignement Supérieur des Sciences et des Lettres de Chambéry.
Director: J.-B. CARRON.

Collège Scientifique Universitaire.
Director: M. DURAND.

Institut des Isotopes Radioactifs.
Director: R. RINALDI.

UNIVERSITÉ DE LILLE

29 RUE DES JARDINS, LILLE
Telephone: 55-16-11
Founded 1562.

Rector: G. DEBEYRE.
Vice-President: P. COMBEMALE.
Secretary: E. BODEL.
Librarian: Mlle A. BRUCHET.

Number of teachers: 308, including 120 professors
Number of students: 7,033 men, 3,968 women, total 11,001.
Publications: *Annales, Livret, Travaux et Mémoires—Droit-Lettres, Sciences—Médecine, Revue du Nord, Revue*

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des Sciences Humaines, Echo Médical du Nord, Lille Chirurgical, Bulletin de la Société Botanique du Nord.

DEANS:

Faculty of Jurisprudence: G. DEHOVE.
Faculty of Medicine and Pharmacy: P. COMBEMALE.
Faculty of Science: H. LEFEBVRE.
Faculty of Letters: P. REBOUL.

PROFESSORS:

Faculty of Jurisprudence:
BAUCHET (Political Economy).
BONGERT (History of Roman Law).
CAPET (Political Economy).
CHRÉTIEN (Constitutional Law and Financial Legislation).
DEHOVE (Political Economy).
DRAGO (Administrative Law).
FREYRIA (Labour Law).
GIRAUD (Constitutional Law).
LECAILLON (Political Economy).
LE ROY (International Public Law).
PERRIN (Roman Law and History of Law).
PREVOST (History of Private Law).
STARCK (Civil Law).
VASSEUR (Commercial Law).

Faculty of Medicine and Pharmacy:
AUGUSTE (Internal and Experimental Pathology and Clinic for Digestive Diseases).
BALATRE (Galenic Pharmacy).
BAR, Mlle. (Organic Chemistry).
BEDRINE (Child-birth).
BERTRAND (Mineral Chemistry).
BEZANGER, Mde. (Medical Materials).
BIGUET (Zoology and Parisitology).
BIZARD (Applied Physiology).
BIZERTE (Biochemistry).
BOULANGER (Biochemistry).
BRETON (Pædiatrics).
CARLIER (Stomatology).
CHRISTIAENS (Industrial Medicine).
CLAY (Pathological Anatomy).
COMBEMALE (Physiology).
DECOULX (Traumatology).
DEHAY (Botany).
DELANNOY (Clinical Surgery).
DOUMER (Clinical Medicine).
DRIESSENS (Pathological Anatomy).
FABRE (Medical Physics and Pharmaceutics).
FONTAN (Therapeutic Hydrology and Climatology).
FRANÇOIS (Clinical Opthalmology).
GELLE (Obstetrics and Child Hygiene).
GERNEZ (Hygiene and Bacteriology).
GERVOIS (Hygiene).
HURIEZ (Cutaneous and Venereal Diseases).
INGELRANS (Clinical Child Surgery).
LAINE (Technique of Surgery).
LEGRAND (Clinical Medicine).
LESPAGNOL (Chemical Pharmacy).
LINQUETTE (Therapeutics).
MACQUET (Clinical Urology).
MARCHAND (Industrial Medicine).
MASSE (Physics and Pharmaceutics).
MERVILLE (Toxicology).
MINNE (Anatomy).
MOREL (Histology).
MULLER (Forensic and Social Medicine).
NAYRAC (Clinical Neurology and Psychiatry).
OSTEUX (Pharmaceutical Biochemistry).
PALLIEZ (Obstetrics).
PIQUET (External Pathology and Oto-Rhino-Laryngology).
RAZEMON (Clinical Surgery).
SWYNGEDAUW, J. (Electro-Radiology).
TAQUET (Pre-Medical Studies).
VANDECASTEELE (External Pathology).
VANLERENBERGHE (Physiology).
VERHAEGHE (General Pathology).
WAREMBOURG (Clinical Medicine).

Faculty of Science:
BONNEMAN-BÉMIA (Chemistry and Industrial Psycho-Chemistry).
BONTE (Applied Geology).
CORSIN (Paleo-Botany).
DECUYPER (General Mathematics).
DEFRETIN (Zoology).
DEHEUVELS (Differential and Integral Calculus).
DEHORS (Industrial Physics).
DELATTRE (Geology).
DELWAULLE, Mlle (Chemistry).
DESCOMBES (Differential and Integral Calculus).
DURCHON (Zoology).
GABILLARD (Radio-Electricity and Electronics).
GERMAIN, JEAN (General and Organic Chemistry).
GLACET (Chemistry).
HEIM DE BALSAC (Zoology).
HEUBEL (Chemistry).
HOCQUETTE (General and Applied Botany).
KAMPE DE FERIET (Fluid Mechanics).
KOURGANOFF (Astronomy).
LE BÈGUE (Agricultural Chemistry).
LEBRUN (Radio-electricity and Electronics).
LEFEBVRE (Applied Chemistry and Chemistry of Coal).
MARQUET (Mathematics).
MARTINOT-LAGARDE (Fluid Mechanics).
MONTREUIL (Biological Chemistry).
PARREAU (Mathematics).
PEREZ (Physics).
POITOU (Higher Algebra).
ROIG (General Physics).
ROSEAU (Rational and Experimental Mechanics).
ROUELLE (Industrial Physics and Electricity).
SAVARD (Chemistry).
TILLIEU (Physics).
TRIDOT (Applied Chemistry).
WATERLOT (Mining Geology).

Faculty of Letters:
AXELRAD (English Literature of the Renaissance and the 17th Century).
BEAUJEU (Latin).
BEAUJEU, Mme (Regional Geography).
BERTAUX (German Language and Literature).
DEFRADAS (Greek Language and Literature).
FRECHET (Modern and Contemporary English Language and Literature).
GAILLARD (History of Art)
GRENIER (Psychology).
LEFEVRE (Philosophy).
MORET (German Language and Literature).
PICARD (Language and Literature of the Slav Peoples).
PINCHEMEL (Geography).
POLIN (Ethics and Sociology).
PONCELET (Latin Language and Literature).
REBOUL (French Language and Literature of the 18th Century).
ROBICHEZ (French).
ROUSSEL (French Language and Literature of the Middle Ages).
SCHMIDT (Renaissance French Language and Literature).
TRENARD (Modern History).
VOISINE (Comparative Literature).
WEIL (Philosophy).
WILL (Greek Language and Civilisation).

UNIVERSITÉ DE LYON

30 RUE CAVENNE, LYON 7
Telephone: 72.54.53
Founded 1809.

Rector: PIERRE LOUIS.
Secretary: Mlle THIBAULT.

Number of teaching staff: 678, including 156 professors.
Number of students: 9,526 men, 6,791 women, total 16,317.

Publications: *Annales de l'Université de Lyon, Livret de l'Etudiant, Bulletin d'Histologie, Bibliothèques de la Faculté des Lettres, Cahiers d'Histoire, Etudes Rhodaniennes, Revue de Géographie de Lyon, Travaux de Laboratoire de Géologie,*

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Bulletin de l Association Française d'Observateurs d'Etoiles Variables, Cours Annuels de l'Institut de Mathématiques et de Sciences Financières, Lyon Médical, Lyon Chirurgical.

DEANS:

Faculty of Law: JEAN VINCENT.
Faculty of Medicine: J. F. CIER.
Faculty of Science: JEAN BRACONNIER.
Faculty of Letters: ADRIEN BRÜHL.

PROFESSORS:

Faculty of Law:

BOUDEVILLE (Political Economy).
BRUN (Labour and Social Security Law).
CADART (Constitutional Law).
CHAVANNE (Civil Law).
DIDIER (Private Law).
FALLETTI (History of Public and Private Law).
GARAGNON (Public Law).
GRAWITZ (Public Law).
GUIHO (Civil Law).
GUILLIEN (Public Law).
LAMBERT (Comparative Law).
LAPRAT (Roman Law).
MURAT (Political Economy).
NERSON (Civil Law).
PELLOUX (Public Law).
PONSARD (Political Economy).
TREVOUX (Political Economy).
VINCENT (Commercial Law).

Faculty of Medicine and Pharmacy:

BADINAND (Pharmaceutical Chemistry).
BANSSILLON (Obstetrics).
BERGER (Nuclear Physics applied to Medicine).
BERNHEIM (Clinical Child Medicine and Hygiene).
BERTRAND (Surgical Propædentics).
BOURRET (Industrial Medicine).
BRUN (Clinical Phthisiology).
CHAMBON (Organic Chemistry and Toxicology).
CHATONNET (Physiology).
CIBERT (Clinical Urology).
CIER, A. (Pharmacy and Pharmacology).
CIER, J. F. (Physiology).
COLLET (Pharmacy).
COUDERT (Parasitology and Tropical Diseases).
CREYSSEL (Clinical Traumatology of Limbs).
CROIZAT (Clinical Medicine).
DARGENT (Cancer Research).
DECHAUME (Clinical Neurology and Psychiatry).
DORCHE (Pharmaceutical Technology).
DREVON (Chemical Pharmacy and Pharmacology).
ENSELME (Biological and Medical Chemistry).
FREIDEL (Clinical Stomatology).
FROMENT (Prevention of Cardio-Vascular Diseases).
GALY (Psycho-Pathology).
GIRARD, M. (Therapeutics).
GIRARD, P. (General and Experimental Pathology).
GOINARD (Neuro-Surgery).
GONIN (Hydrology, Climatology and Social Ecology).
GUICHARD (Pathological Anatomy).
GUILLEMINET (Orthopædic and Clinical Surgery for Children).
GUINET (Clinical Endocrinology).
JEUNE (Infectious Diseases).
JOURDAN (Medical Biology and Pharmacodynamics).
LACROIX (Tropical Diseases).
LATARJET (Anatomy).
LEVRAT (Clinical Medicine).
LIARAS (Surgery).
MALLET-GUY (Clinical Surgery).
MARION, J. (Orthopædics and Clinical Surgery).
MONNET (Bacteriology).
MOUNIER-KUHN (Clinical Oto-Rhino-Laryngology and Andio-Phonology).
NETIEN (Botany and Cryptogamy).
PAPILLON (Radiology).
PAUFIQUE (Clinical Ophthalmology).
PAUPERT-RAVAULT (Clinical Medicine).
PERROT (Organic Chemistry and Toxicology).
PEYCELON (Surgical Pathology).
PIGEAUD (Clinical Obstetrics).
POLLOSSON (Clinical Gynæcology).
PONTHUS (Biophysics).
REVOL (Galenic Pharmacy and Materia Medica).
ROCHE (Forensic Medicine and Deontology).
ROCHET (Operative Surgery and Therapeutic Surgery).
ROMAN (Parasitology).
SOHIER (Hygiene and Public Sanitation).
THIERS (Clinical Dermato-Syphilography and Allergology).
TRILLAT (Orthopædic Clinical Surgery).
VACHON (Medical Pathology).
WERTHEIMER (Clinical Surgery).

Faculty of Science:

AUMÉRAS (Chemistry).
BERNARD (Industrial Physics).
BOIDIN (Botany).
BOUTILLIER (Mineralogy).
BRACONNIER (Mathematics).
CHENEVOY (Geology).
CHOPIN (Biochemistry).
COHEN-ADAD (Chemistry).
COLONGE (Chemistry).
COURTY (Physio-Chemistry).
CUEILLERON (Chemistry).
DAVID (Geology).
DÉJARDIN (General Physics).
DEPRAZ (Nuclear Physics).
DOUIN (Botany).
DREUX (Chemistry).
DUFAY (Astronomy and Director of the Observatory).
DUFAY, M. (Atmospheric Physics).
EYRAUD (Differential and Integral Calculus).
EYRAUD, C. (Applied Chemistry).
FERON (Mathematics).
FLANDRIN (Applied Geology).
FRAISSE (Mathematics).
GAUME (Physics).
GAUTHIER, H. (Geology).
GAUTHIER, J. (Chemistry).
GRANDMONTAGNE (Physics).
JAFFARD (Mathematics).
JANIN (Experimental Physics).
KÜHNER (Botany).
LAFORGUE (Physics).
LAFOUCRIÈRE (Nuclear Physics).
LEGAY (Zoology).
LONGCHAMBON (Mineralogy).
MALÉCOT (Rational and Applied Mechanics).
MERLIN (Chemistry).
MESNARD (Physics).
NIGON (Experimental Zoology).
PAVANS DE CECCATTY (Zoology).
PARIS (Chemistry).
PERES (Physiology).
PHILBERT (Nuclear Physics).
PRETTRE (Industrial Chemistry).
SARAZIN (Nuclear Physics).
TEICHNER (Chemistry).
UZAN (Physics).
VIRET (Geology).
WAUTIER (Animal Biology).

Faculty of Letters:

ANSTETT (German Language and Literature).
ARNALDEZ (Moslem Philosophy and Civilisation).
BARRÈRE (French Literature).
BON (Byzantine History and Civilisation).
BRÜHL (National Antiquities).
COUTON (French Literature).
DAUMAS (Egyptology).
DELOFFRE (Modern French Philology).
DUPUY (Moral Philosophy and Pedagogy).
FLUTRE (Medieval French Language and Literature).
FUGIER (Contemporary History).
GASCON (Local History).
HUSSON (Sociology).
LATREILLE (Modern History).
LAFERRÈRE (Geography).
LEBEAU (Geography).
LEGOUIS (English Language and Literature).
LE LANNOU (Regional Geography).
LÉON (Economic History).

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Mavzi (French Literature).
Metzger (History of Ancient Art).
Pacaut (History of the Middle Ages).
Pelletier (Geography).
Pouilloux (Greek Philology).
Rambaud (Latin Language and Literature).
Ritz (Contemporary English Literature).
Roddier (Comparative Literature).
Rodis-Lewis, Mme. (History of Philosophy).
Roux (Greek Language and Literature).
Sanine, Mlle. (Russian Language and Literature).
Thomas (Latin and the History of the Latin Language).
Vial (French Literature).
Zink (German Philology).

UNIVERSITÉ DE MONTPELLIER

2 RUE DU FAUBOURG-SAINT-JAUMES, MONTPELLIER (HÉRAULT)

Telephone: 72-49-00

Founded 1180; reconstituted 1289

Rector: G. Richard.
Secretary: Henri Huc.

Number of teachers: 190, including 95 professors.
Number of students: 5,693 men, 3,928 women, total 9,621.

Deans:

Faculty of Law: G. Péquignot.
Faculty of Medicine: J. Turchini.
Faculty of Sciences: B. Charles.
Faculty of Letters: Pierre Jourda.
Faculty of Pharmacy: J. Giroux.

Professors:

Faculty of Law:

Aussel, J. M. (Civil Law).
Badouin, R. (Economic History and Demography).
Becqué, Jacques (Civil Law).
Cabrillac, Henri (Commercial Law).
Cabrillac, M. (Civil Law).
Castagne, A. (International Institutions).
Coste-Floret, Paul (Civil Law).
Delbez, Louis (International Public Law).
Desmouliez, Georges (Constitutional Law).
Fontaneau, P. (Political Economy).
Garrisson, Francis (Civil Procedure).
Gervais, André (Political Economy).
Légal, Alfred (Criminal Law).
Maury, R. (Political Economy).
Milhau, Jules (Political Economy).
Péquignot, Georges (Public Law).
Tisset, Pierre (History of Law).

Faculty of Medicine:

Balnes, A. (Pathology and Propædeutics of Clinical Medicine).
Bénézech, Christian (Biological Chemistry and Physio-Chemistry).
Bert, Jean-Marie (Hydropathy and Climatology).
Bertrand, L. (Medical Pathology and Clinical Physiopathology).
Bétoulières, Pierre (Electro-Radiology).
Bonhomme (Histology and Embryology).
Boucomont, Jean (Hygiene).
Boulet, Paul (Clinical Medicine).
Caderas De Kerleau, Jean (Obstetrics).
Cazal, Pierre (Hæmatology and Pathological Anatomy).
Chaptal, Jean (Children's Diseases and Child Hygiene).
Cristol, Paul (Medical Biochemistry and Toxicology).
Durand, (Gynæcology).
Fourcade, J. (Forensic and Social Medicine).
Franchebois (Climatology).
Gros, C. (Clinical Neurosurgery).
Guerrier, Y. (Oto-Rhino-Laryngology).
Harant, H. (Medical Natural History and Parasitology).
Hédon, L. (Physiology).
Janbon, M. (Therapeutics and Infectious Diseases).
Jean, R. (Pediatrics).
Joyeux, R. (Surgery).
Lafon, R. (Nervous and Mental Diseases).
Lamarque, P. (Electro-radiology).
Lapeyre, N. (Surgery).
Lapeyrie, M. (Child Surgery and Orthopædics).
Latour, H. (Cardiology).
Loubatières, A. (Applied Phsyiology).
Macabies, J. (Physiology).
Marchal, G. (Anatomy and Experimental Surgery).
Mirouze, J. (Metabolic and Endocrine Diseases).
Monnier, P. (Biochemistry).
Mourgue-Molines, E. (Pathology and Propædeutic Surgery).
Negre, E. (Thoracic Surgery).
Pagès, P. (Pathology and General Therapeutics).
Passouant, P. (Experimental Pathology).
Puech, A. (Clinical Medicine).
Puech, P. (Cardiology).
Renoux, G. (Microbiology).
Rimbaud, P. (Dermatology and Syphilography).
Rioux, J. (Parasitology).
Romieu, C. (Pathology and Propedeutic Surgery).
Roux, J. (Microbiology and Virology).
Sentein, P. (Biology).
Serre, H. (Rheumatology).
Truc, E. (Urology).
Turchini, J. (Histology).
Viallefont, H. (Ophthalmology).
Vidal, J. (Tuberculosis).

Faculty of Sciences:

Avias (Geology).
Assenmacher, I. (Animal Physiology).
Bouhet, Charles (Physics).
Caillon, P. (Physics).
Cauquil, Mlle. Germaine (Chemistry).
Chalin, C. (Physics).
Charles (Mathematics).
Charles, Mme. J. (Mathematics).
Chatelain, Pierre (Mineralogy).
Couchet, Gérard (Mathematics).
Emberger, Louis (Botany).
Falgairettes, J. (Mineralogy).
Granier, Jean (Physics).
Jacquier, Raymond (Chemistry).
Jouty, Roger (Physics).
Kahane, Ernest (Chemistry).
Lafon, Mme. M. (Mathematics).
Lafont, R. (Physics).
Lefranc (Mathematics).
Mathias, Paul (Zoology and General Biology
Mattauer, M. (Geology).
Moreau, J. Jacques (Mathematics).
Motte, Jean (Botany).
Mousseron, Max (Chemistry).
Muraour, P. (Geophysics).
Pistoulet, B. (Physics).
Poucques, Mlle. M. L. de (Botany).
Rabinovitch (Physics).
Roig, J.-P. (Physics).
Roumieu (Mathematics).
Salvinien, Jean (Chemistry).
Silbert, Pierre (Chemistry).
Tourive, G. (Chemistry).
Trochain, Jean (Colonial Botany).
Tuzet, Mlle Odette (Zoology and General Biology).
Vergnoux, Mlle Anne-Marie (Physics).
Vieles, Pierre (Chemistry).

Faculty of Letters:

Aquarone, Jean (Portuguese Language and Literature).
Aymard, Jacques (Latin Language and Literature).
Bourciez, Jean (Romance Language and Literature).
Brunel, Jean (Greek Language and Literature).
Buffet, Mlle. G. (American Literature and Civilisation).
Camproux, Charles (Modern Philology and French).
Demougeot, Mlle. E. (Ancient History).
Desmouliez, André (Latin).
Duberge, J. (Sociology).
Dupont, André (Mediæval History and Archæology).
Flecniakoska, J. (Spanish Language and Literature).
Forest, Aimé (Philosophy).
Gallet de Santerre (Archæology and History of Art).

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GALTIER, GASTON (Geography).
JOURDA, PIERRE (French Language and Literature).
LAURENT, ROBERT (Modern and Contemporary History).
MARRES, PAUL (Geography).
MARTIN, Mlle. HENRIETTE (Italian Language and Literature).
MARTIN, ROGER (English Language and Literature).
METZ, FERNAND (German Language and Literature).
MICHEL, L. (Dialectic).
MIGNOT, X. (Linguistics).
MINICONI, PIERRE (Latin Philology).
NAVRATIL, MICHEL (Philosophy).
SERVIER, J. (Sociology).
VICAIRE, P. (Greek).
WEBER, H. (French Literature).

Faculty of Pharmacy:
BARDET, L. (Pharmaceutical Industrial Physics).
BESSIÈRE, CLÉMENT (Microbiology and Zoology).
CASTEL, PIERRE (Chemical Pharmacy).
DOLIQUE, ROGER (Mineral Chemistry, Industrial Pharmacy).
GIROUX, JEAN (Galenic Pharmacy, Pharmacodynamics).
GRANGER, ROBERT (Pharmaceutical Organic Chemistry).
HOLLANDE, Mme GERMAINE (Natural Sciences).
JAULMES, PAUL (Analysis and Toxicology).
MARIGNAN, ROGER (Physics).
MESTRES, R. (Applied Pharmaceutical Chemistry).
SABON, F. (Hygiene and Industrial Toxicology).
SUSPLUGAS, JEAN (Materia Medica, Botany).

UNIVERSITÉ DE NANCY

13 PLACE CARNOT, NANCY
Telephone: 52-66-88
Founded 1572.

Rector: PAUL IMBS.

Number of professors: 151.
Number of students: 6,205 men, 3,642 women, total 9,847.

DEANS:

Faculty of Law: D. TALLON.
Faculty of Medicine: M. BEAU.
Faculty of Sciences: M. ROUBAULT.
Faculty of Letters: M. SCHNEIDER.
Faculty of Pharmacy: BERNANOSE.

PROFESSORS:

Faculty of Law:
BOURCIER DE CARBON (Economic Science).
CHAUMONT (International Public Law).
COUDERT (Roman Law).
COULOMBEL (Civil Law).
DURAND (Public Law).
FRIEDEL (Civil Procedure).
GAUDEMET (Public Law).
GENDARME (Political Economy).
MENTHON, DE (Political Economy).
RAY (Roman Law).
ROBLOT (Commercial Law).
SAUTEL (Roman Law).
SAUTEL-BOULET, Mme. (History of Law).
TALLON (Civil Law).
VITU (Penal Law).
VOIRIN (Civil Law).
WALINE (Public Law).

Faculty of Medicine:
ARNOULD, J. (Neuro-Psychiatry).
ARNOULD, P. (Physiology).
BEAU (Anatomy).
BERTRAND (Clinical Gynæcology).
BEUREY (Dermato-Syphiligraphy).
BODART (Clinical Surgery).
BURG (Medical Physics).
CHALNOT (Clinical Surgery).
DOLLANDER (Embryology).
FAIVRE (Therapeutics).
FLORENTIN (Pathological Anatomy).
GOSSEREZ (Stomatology).
GRIMAUD (Clinical Oto-Rhino-Laryngology).
HARTEMANN (Clinical Obstetrics).
HELLUY (Bacteriology and Parasitology).
HERBEUVAL (Pathology).
HEULLY (Forensic Medicine).
HOUEL (Obstetrics).
HOUPERT (Stomatology).
KISSEL (Clinical Medicine).
LAMY (Tuberculosis).
LEGAIT (Histology).
LEPOIRE (Neuro-Surgery).
LOCHARD (Surgical Pathology).
LOUYOT (Therapeutics and Pharmacology).
MERKLEN (Hydrology and Climatology).
MICHON (Clinical Medicine).
NEIMANN (Clinical Pædiatrics).
PIERQUIN (Industrial Medicine and Rehabilitation).
SADOUL (Psycho-Pathological Respiration).
SENAULT (Hygiene and Social Medicine).
SOMMELET (General Surgery).
THOMAS (Ophthalmology).
WOLFF (Chemistry and Toxicology).
(Vacant—Hygiene and Public Health.)

Faculty of Sciences:
AUBRY (Mineral Chemistry).
BARRIOL (Theoretical Chemistry and Electro-Chemistry).
BASTICK (Physico-chemistry).
BERNARD (Geology).
BIZETTE (Physics).
BOLFA (Mineralogy).
BONVALET (Mechanics).
CERF (Mathematical Method in Physics).
CHAMPER (Metallurgy).
CHAPON (Biological Chemistry).
COPPENS (Radio-Geology).
DAVID (Organic Chemistry).
DELSARTE (Higher Analysis).
DUCHAUFOUR (Pedology).
DUVAL (Chemistry).
ECHEVIN (Botany).
FAIVRE (Applied Physics).
FRUHLING (Physics).
GARNIER (Agronomy).
GAY (Biological Chemistry).
GAYET (Physiology).
GIBERT (Chemical Engineering).
GUDEFIN (Physics).
GUILLIEN (Physics and Electronics).
HADNI (Physics).
HEROLD (Industrial Chemistry).
HERVÉ (Differential and Integral Calculus).
HILLY (Geology).
HORN (Physics).
KERN (Mineralogy).
LAFITTE, R. (Soil Science).
LE GOFF (Chemistry).
LEGRAS (Rational Mechanics).
MALAPRADE (Chemistry).
MANGENOT (Phytopathology).
NEEL (Industrial Organic Chemistry).
NICLAUSE (General Chemistry).
OVAERT (Mathematics).
PLAN (Mechanical Physics).
REGNIER (Physio-Chemistry).
ROIZEN-DOSSIER, Mme. (Propædeutic Physics).
ROUBAULT (Geology).
SCHWARTZ (Mining Exploitation).
SUHNER (Experimental Physics).
URION (Biological Chemistry).
VEILLET (Animal Biology).
WEPPE (Applied Mineralogy).
(Vacant—Zoology).

Faculty of Letters:
BARRAL (Modern and Contemporary History).
BLANC (Geography).
BOURQUIN (English Language and Literature).
DANCHIN (English Language and Literature).
DERATHÉ (Philosophy).
DEVEZE (Modern History).
FEDOU (Medieval History).

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GALLIOT (French Language and Literature).
GENESTET DE PLANHOL (Geography).
GINOUVES (Archæology and Art History).
JODELET (Psychology).
LESOURD (Modern History).
LEVAILLANT (French Language and Literature).
MAIER, Mlle (Italian Language and Literature).
MARKOVITCH (Language and Literature of the Slav Peoples).
MASSON (Classical Philology).
MOUROT (French Language and Literature).
NAÏS (French Grammar and Philology).
PRÉCHEUR (Geography).
ROOS (German Language and Literature).
RUCH (Latin Language and Literature).
RUYER (Philosophy).
SCHNEIDER, A. (German Language and Literature).
SCHNEIDER, J. (Medieval History).
TAVENEAUX (History of Eastern France).
TRÉHEUX (Greek Literature and Epigraphy).
TRUCHET (French Language and Literature).
VALLIN (Philosophy).
WILL (Ancient History).
(Vacant—Romance Languages and Literatures, Latin Language and Literature).

Faculty of Pharmacy:
BENE (Natural Science).
BERNANOSE (Physics).
BESSON, Mlle (Pharmacodynamics).
BLOCH (Toxicology).
FRANÇOIS, Mlle (Materia Medica).
FRANQUET (Botany).
KAYSER (Chemistry).
MARCHAL (Microbiology).
MEUNIER (Galenic Pharmacy).
MIRJOLET (Analytical Chemistry).
PELT (Medical Science).
PIERREFITTE (Biological Chemistry).
ROBBA (Organic Chemistry).
SOLEIL (Pharmaceutical Chemistry).
STEIMETZ (Natural Sciences).

AFFILIATED INSTITUTES:

Centre Européen Universitaire: 3 Place Stanislas, Nancy; f. 1950; depts. of economics, political science, law. civilisation; international staff of teachers; Pres. PAUL IMBS; Dir. DE MENTHON.

Ecole National Supérieure de la Métallurgie et de l'Industrie des Mines: rue de Saurupt, Nancy; f. 1919; Dir. B. SCHWARTZ; 140 students.

Ecole Nationale Supérieure de Géologie Appliquée et de Prospection Minière: 94 Avenue de Lattre-de-Tassigny, Nancy; f. 1908; Dir. Prof. MARCEL ROUBAULT; 505 students; Publ. *Sciences de la Terre.*

Other institutions are:

Institut Universitaire de Calcul Automatique de Nancy, Institut Commercial, Institut de Mathématiques, Ecole Supérieure de Brasserie, Ecole de Laiterie, Ecole Nationale Supérieure des Industries Chimiques, Ecole Nationale Supérieure d'Electricité et de Méchanique, Ecole Nationale Supérieure Agronomique, Institut de Botanique, Institut Dentaire, Institut de Spécialités Industrielles, Institut Anatomique, Institut Régional d'Hygiène.

UNIVERSITÉ DE NANTES

3 QUAI CEINERAY, NANTES

Founded 1962

Inspecteur: ROGER DUMAS.
Secretary-General: ROGER BONNO.

PROFESSORS:

Faculty of Medicine of Nantes:
BLONDEL (Tropical Diseases).
BOQUIEN (Pathology and Clinical Medicine).
BUREAU, YVES (Skin and Syphilitic Diseases).
DALLONGEVILLE (Medical Physics).
GIROIRE (Internal Pathology).
GRISLAIN (Infant Clinical Medicine).
KERNEIS (Pathological Anatomy).
LEGRAND (Clinical Ophthalmology).
LEROUX (Clinical Obstetrics).
LOSSOUARN (Pharmaceutical Chemistry).
MIRALLIE (Clinical Surgery).
MONNET (Medical Material and Pharmacology).
NEDELEC (Clinical Urology).
PERRIN (Social and Industrial Medicine).
POLLES, LE (Galenic Pharmacy).
STÉPHAN (Pharmaceutical Biochemistry and Pharmacodynamics).
TUSQUES (Histology).
VÉRAN (Therapeutics).
(Vacant—Medical Chemistry, Physiology, Pathological Surgery, Clinical Medicine, Zoology, Parisitology and Bacteriology).

School of Medicine of Angers:
AMSLER (Pneumo-Phthisiology).
BOUMARD (Clinical Medicine).
COTTIN (General Chemistry).
DAVID (Zoology and Parasitology).
DELAITRE (Clinical Medicine for Infants).
DESJOBERTS (Chemical Pharmacy).
FRESSINAUD-MASDEFEIX (Medical Pathology).
GERMAIN (Botany and Cryptogamic Studies).
GOYER (Clinical Surgery).
HÉRISSET (Materia Medica).
MARTIN (Clinical Pathology).
MENARD (Hygiene and Social Medicine).
NAULLEAU (Clinical Surgery).
PERREAU (Clinical Medicine).
ROUCHY (Clinical Obstetrics).
ROUSSEAU (Clinical Ophthalmology).

ACADÉMIE D'ORLÉANS

21 RUE SAINT-ETIENNE, ORLEANS

Founded 1962

Rector: M. ANTOINE.
Secretary: M. DE VILLE D'AVRAY.

The Academy consists of the following institutes:

Collège Scientifique Universitaire d'Orléans: Château de la Source, par Olivet (Loiret); Tel. 87-49-01; f. 1960.
Director: M. F. TATIBOUËT.
Secretary: M. BADIN.

PROFESSORS:
AUBOUIN (Geology).
GUILBERT (Physics).
TATIBOUËT (Chemistry).

Collège Scientifique Universitaire de Tours: 2 *bis* boulevard Tonnellé, Tours; Tel. 53-08-22; f. 1958.
Director: R. THOMASSIN.
Secretary: Mme CHARLEMAGNE.
Librarian: Mlle BALLON.

PROFESSORS:
DUPERON (Vegetable Biology).
RIVAULT (Electricity).
THOMASSIN (Organic Chemistry).
Faculty of Medicine and Pharmacy:
ARDOUIN (Clinical Oto-Rhino-Laryngology).
ARON (Physiology) (Dean).
BARRE (Pharmaceutical Chemistry).
BONNIN (Histology).
BOULARD (Hygiene and Hydrology).
DESBUQUOIS (Medical Pathology and Clinical Child Medicine).

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DURAND (Deontology and History of Pharmacy).
FROMENTY (Forensic and Social Medicine).
GARESTIER (Natural History).
GAUTIER (Therapeutics).
GOUAZE (Anatomy).
HUSSENSTEIN (Surgical Pathology and Clinical Child Surgery).
LARMANDE (Ophthalmology).
RICHARD (Clinical Obstetrics and Gynæcology).
ROUZAUD (Medical Pathology).
VACHER (Legal Medicine).
VANDOOREN (Surgery).
VARGUES (Microbiology).
VIALARD-GOUDOU (Galenic Pharmacy).
VIALLE (Surgical Pathology).

Collège Littéraire Universitaire de Tours: 1 rue de la Grandière, Tours; Tel. 53-56-13; f. 1961.

Director: J. A. BIZET.
Secretary: M. MIARA.
Librarian: Mlle MALLET.

PROFESSORS:

BERTHELEMY (Latin).
BIZET, J. A. (German).
CAMPAN, J. (Italian).
FENELON, P. (Geography).
LOUIS (French).
MESNARD, P. (Philosophy).
SIMONDON, G. (Philosophy).

Centre d'Etudes Supérieures de la Renaissance de Tours: 59 rue Néricault-Destouches, Tours; Tel. 53-71-86; f. 1956.

Director: P. MESNARD.
Secretary: Mme BERLOQUIN.
Librarian: Mme VIGIER.

PROFESSORS:

BUFO, G.
MARGOLIN, J-C.
MESNARD, P.

UNIVERSITÉ DE PARIS À LA SORBONNE

47 RUE DES ECOLES, PARIS 5e

Telephone: Odéon 24-13

Founded 1253 by Robert de Sorbon, Chaplain to the King.

Rector: JEAN ROCHE.
Vice-Presidents: JEAN HYPPOLITE, LÉON BINET.
General Secretary: PIERRE BARTOLI.
Chief Librarian: MAURICE PIQUARD.

Number of teaching staff: 3,000.
Number of students: 44,769 men, 33,335 women, total 78,104.

Publications: *Annales de l'Université de Paris, Livret de L'Étudiant.*

DEANS:

Faculty of Law: GEORGES VEDEL.
Faculty of Medicine: LÉON BINET.
Faculty of Sciences: MARC ZAMANSKY.
Faculty of Letters: ANDRÉ AYMARD.
Faculty of Pharmacy: GUILLAUME VALETTE.
Bureau des Renseignements, Cours d'Extension Universitaire: Dir. G. MATORÉ.

PROFESSORS:

Faculty of Law and Economics:

BARRÈRE, A. (History of Economic Thought).
BARTOLI, H. (Economic Systems and Structures).
BASTID, P. (Constitutional Law).
BASTID, Mme. S. (Contemporary Political Problems).
BATIFFOL, H. (Philosophy and General Theory of Law).
BERGER-VACHON, V. (Mohammedan Law).
BERLIA (Science and Technique of Money).
BESNIER, R. (Economic History).
BESSON, A. (Law of Insurance).
BOULANGER, J. (Civil Law).
BOYÉ, A. (History of Civil Law in Antiquity).
BUQUET, L. (Planning Techniques).
BURDEAU, G. (Constitutional Law and Political Institutions).
BYÉ, M. (Economic Relations).
CAMERLYNCK, G. (Industrial Law).
CAPITANT, R. (Public Liberty).
CARBONNIER, J. (Juridicial Sociology).
CHARLIER, R.-E. (Administrative Law).
CHEVALLIER, J. J. (History of Political Thought).
CHEVALLIER, JEAN (Advanced Civil Law).
COLDMAN (Social Security).
COLLIARD, C. (Methods of Political Science).
COURTIN, R. (Economic Geography).
DAVID, M. (History of XIX Century Public Institutions).
DAVID, R. (Comparative Civil Law).
DESBOIS, H. (Commercial Law; Patents and Copyright).
DUMONT, F. (Roman and French Law).
DUVERGER (Political Sociology).
EISENMANN, C. (Administrative Law).
FAUVEL, L. (Rural Economy).
FLOUR, J. (Civil Law).
FRÉJAVILLE, M. (Civil Law).
GAUDEMET (Juridical Sociology).
GOETZ, R. (Social Economy and Politics).
GUILBAUD, G.-TH. (Mathematics).
GUITTON, J. (Statistics).
HAURIOU, A. (Foreign Constitutional Law).
HÉMARD, J. (Commercial Law).
HOUIN, R. (Commercial Law).
HUGUENEY (Special Penal Law).
IMBERT, (History of Penal Law).
JAMES, E. (Economic Theory).
JEANNENEY, J. M. (Economics fo Finance).
JUGLART, M. DE (Penal Law).
LAGARDE, G. (Commercial Law).
LAMPUÉ, P. (Public Law of Overseas Territories).
LASSÈGUE, P. (Business Expansion and Accountancy).
LASSERRE, G. (Business Economy).
LAUBADÈRE, DE (Public Service Law).
LAUFENBURGER (Financial Science).
LE BALLE, R. (Civil Law).
LE BRAS, G. (History of Canon Law).
LEDUC, G. (Economy and Development of Overseas Territories).
LEMARIGNIER, J-F. (History of Public Instititutions since the Revolution).
LEPOINTÉ, G. (History of Institutions and Social Affairs).
LEVASSEUR, G. (Civil and Advanced Criminal Law).
LEVY, J.-P. (History of Private Law).
LHOMME, J. (Economic and Social History since the XVIII Century).
MAGDELAIN, A. (History of Political and Administrative Institutions).
MARCHAL, A. (Political Economy).
MARCHAL, J. (Political Economy).
MARCZEWSKI (Economic Conjecture).
MATHIOT, A. (Principles of Public Law).
MAZEAUD, H. (Civil Law).
MAZEAUD, L. (Commercial Law).
PERROT, R. (Registration).
PHILIP, A. (Political and Social Economy).
PIETTRE, A. (Modern Political Economy).
PINTO, R. (Terminology of Public Law and Political Science).
PRÉLOT, M. (Political Science).
RAYNAUD, P. (Advanced Civil Law).
REUTER, P. (International Organisation).
RIVERO, J. (Public Liberty).
RODIÈRE, R-H. (Transport Law).
ROUSSEAU, C. (International Public Law).
SOLUS, H. (Civil Procedure).
STÉFANI, G. (Penal Procedure).
TABATONI, R. (Political Economy).
TEITGEN, P.-H. (Politico-Scientific Method).
TIMBAL, P. (History of Civil Law).
TUNC (Comparative Civil Law).
VEDEL, G. (Law of Minerals and Energy).

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VILLERS, R. (History of Political Institutions).
VILLEY, D. (History of Legal Philosophy).
VOUIN, R. (General Penal Law and Procedure).
WALINE, M. (Administrative Law).
WEILLER, J. (International Economic Relations).

Faculty of Medicine:

AUBRY, M. (Oto-Rhino-Laryngology).
BARGETON, D. (Physiology).
BARIÉTY, M. (Psychiatry).
BAUMANN, J. (Tuberculosis).
BERNARD, E. (Experimental Pathology).
BERNARD, J. (Hydrology).
BOUDIN, G. (Medicine).
BOUR, H. (Medicine).
BOURLIÈRE, F. (Hygiene).
BOYER, J. (Medicine).
BROUET, G. (Therapeutics).
BRUMPT, I. C., (Parasitology).
CASTAIGNE (Neurology).
CAUCHOIX, J. (Surgery).
CHEYMOL, J. (Pharmacology and Medical Materials).
CONTE, M. (Therapeutics).
CORDIER, G.-J. (Anatomy).
COSTE, F. (Rheumatology).
COUVELAIRE, R. (Pathology).
DAVID, C. (Neuro-Surgery).
DEBRAY, C. (Therapeutic Hydro-climatology and Gynæcology).
DECHAUME, M. (Stomatology).
DECOURT, J. (Pathology).
DEGOS, R. (Skin and Venereal Diseases).
DELARUE, J. (Physiology).
DELAY, J. (Anatomy).
DELMAS, A. (Mental Diseases).
DEPARIS, M. (Carcinology).
DEROBERT, L. (Hygiene and Preventive Medicine).
DEROT, M. (Forensic Medicine).
DESGREZ, H. (Diabetics and Nutritional Diseases).
DESGREZ, P. (Radiology).
DESOILLE, H. (Biochemistry).
DJOURNO, A. (Ophthamology).
DOGNON, A. (Electrophysiology).
DOMART, A. (Medical Physics).
DREYFUS, G. (Semeiology).
FASQUELLE, R. (Pathology).
FAUVERT, R. (Bacteriology).
FÈVRE, M. (Surgery).
GARCIN, R. (Pathology and Therapeutics).
GAUDART d'ALLAINES, F. DE (Surgery).
GERMAIN, P. (Surgery).
GIROUD, A. (Embryology).
GOSSET, J. (Surgery).
GOUGEROT, L. (Medical Physics).
HAMBURGER, J. (Clinics of Metabolic Illnesses).
HAUDUROY, P. (Bacteriology).
HUGUIER, J. (Surgery).
JAYLE, M.-F. (Medical Biochemistry).
JOANNON, P. (Hygiene and Preventive Medicine).
JUSTIN-BESANÇON, L. (Medicine).
KELLERSHOHN, L. (Medical Physics).
KOURILSKY, R. (Medicine).
LACOMME, M. (Obstetrics).
LAMY, M. (Genetics).
LAURENCE, G. (Surgery).
LAVIER, G. (Pathology of Tropical Diseases).
LEGER, L. (Surgery).
LEMAIRE, A. (Medicine).
LENÈGRE, J. (Pathology).
LEPAGE, F. (Physiology and Pathology).
LEVY, Mlle. J. (Pharmacology).
LHERMITTE, F. (Obstetrics).
LORTAT-JACOB, J.-L. (Surgery).
MARCHAL, A. (Diseases of the Blood).
MARIE, J. (Social Pediatrics).
MATHEY, J. (Thoracic Surgery).
MERGER, R. (Obstetrics).
MERKLEN, F. P. (Humoral Pathology and Experimental Immunology).
MERLE d'AUBIGNE, R. (Remedial and Orthopædic Surgery).
MICHAUX, L. (Child Psychology).
MILLIEZ, P. (Medical Pathology).
MOLLARET, P. (Infectious Diseases).
MOUQUIN, M. (Cardiology).
OLIVIER, CL. (Surgery).
OLIVIER, G. (Anatomy).
PADOVANI, P. (Traumatology).
PARROT, J.-L. (Physiology).
PATEL, J. (Pathology).
PEQUIGNOT, H. (Pathology).
POILLEUX, F. (Semiology and Chemistry).
POLONOVSKI, J. (Biochemistry).
REDON, J. (Surgical Carcinology).
RENARD, G. (Ophthamology).
RENAULT, J. (Pneumo-phthisiology).
RICHET, C. (Experimental Pathology).
ROUX, M. (Therapeutics).
RUDLER (Surgical Pathology).
SCHAPIRA, G. (Biochemistry).
SÈZE, S. DE (History of Medicine and Surgery).
SICARD, A. (Surgery).
SOULIÉ (History of Medicine and Surgery).
TUCHMANN-DUPLESSI, H. (Embryology).
TURIAF (Pathology).
TURPIN, R.-A. (Hygiene and Children's Diseases).
VARANGOT, J. (Obstetrics).
VERNE, J. (Histology).

Faculty of Science:

ABELÈS (Physics).
ACHER (Biological Chemistry).
AIGRAIN (Electro-technology).
ALLARD (Physical Chemistry).
AMAT (Physics).
AMIEL (Structural Organic Chemistry).
ARNOULT (Electronics).
ARNULF (Applied Optics).
AUBOUIN (General Geology).
AUGER (Quantum Physics and Relativity).
BARCHEWITZ (Physical Chemistry).
BARRABE (Structural and Applied Geology).
BAUDOIN (Animal Biology).
BEAUMONT (Animal Biology).
BELLAIR (Geology).
BENARD (Chemistry).
BENOIST-QUENTAL (Physics).
BENOIT (Animal Physics).
BERGERARD (Animal Biology).
BERTEIN (Electronics).
BERTHELOT (Physics of Fundamental Particles).
BLAMONT (Geophysics—Ionosphere).
BLANC-LAPIERRE (Linear Acceleration).
BOUGIS (Marine Biology).
BOUISSIÈRES (Chemistry of Radio Elements).
BOULIGAND (Advanced Mathematics).
BOUREAU (Paleobotany).
BRELOT (Advanced Mathematics).
BRICARD (Meteorology).
BROCHART (Physics).
BROSSEL (Atomic Physics).
BRUHAT (Mathematics).
BRUHAT, Mme. (Analytical and Celestial Mechanics).
BRUN (Fluid Mechanics).
BRUNE (Historic Geology).
BRUSSET (Chemistry).
BUSER (Animal Biology).
BUVAT (Botany).
CABANNÈS (General Mechanics).
CAGNIARD (Applied Geophysics).
CAILLEUX (Geology).
CAIRE (Geography, Physics and Dynamic Geology).
CAMUS (Vegetable Biology).
CARTAN (Mathematics).
CASTAING (Thermodynamics).
CAUCHOIS, Mlle. (Physical Chemistry).
CHABLAL (Physics).
CHADEFAUD (Botany).
CHAIX, Mme. (Biological Chemistry).
CHAMPETIER (Macromolecular Chemistry).
CHAPELLE (Physics).
CHATELET (Chemistry).
CHARLOT (Analytical Chemistry).
CHEVALLEY (Advanced Mathematics).
CHEVANGEON (Botany).

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CHOQUET (Theory of Functions and Topology).
CHOUARD (Plant Physiology).
CHRETIEN (Mineral Chemistry).
COMOLET (Fluid Mechanics).
CORABOEUF (Animal Physiology).
COTTE (Electricity).
COULOMB (Geophysics).
COUSIN, Mlle. (Animal and General Biology).
COUTEAUX (Cytology).
COUTURE, Mme. (Physics).
CUGNAC, DE (Vegetable Biology).
CURIE, DANIEL (Physics).
CURIEN (Mineralogy and Crystallography).
CUVILLIER (Micropalæontology).
DANJON (Astronomy).
DAUDEL (Wave Mechanics applied to Theoretical Chemistry and Nuclear Physics).
DELANGE (Mathematics).
DELTONE (Physics).
DENY (Mathematics).
DESTOUCHES (Theoretical Physics).
DEVILLERS (Comparative Anatomy and Histology).
DIXMIER (Mathematics).
DODE (Chemistry).
DRACH (Zoology).
DUBOIS (Chemistry).
DUBREIL, Mme (Mathematics).
DUBREIL (Arithmetic and Numerical Theory).
DUGUÉ (Mathematical Statistics).
DURAND DELGA (Geology).
EHRESMANN (Algebraic Topology).
EICHHORN (Plant Biology).
ELLENBERGER (Applied Geology).
EPHRUSSI (Genetics).
D'ESPAGNOT (Theoretical Physics).
EURON (Geology).
FAVARD (Advanced Geometry).
FELDMANN (Plant Biology).
FESSARD, Mme. (Psycho-physiology).
FORTET (Calculus of Probabilities and Mathematical Physics).
FORTIER (Experimental Mechanics of Fluids).
FOURCROY, Mlle. (Vegetable Biology).
FRANC (Animal Biology).
FRANÇON (Optics).
FRÉON (Chemistry).
FREYMANN (Physics).
FRIEDEL (Solid-state Physics).
GALLIEN (Embryology).
GAUTHERET (Plant Biology).
GAUTHIER (Applied Mechanics).
GENÈRES (Vegetable Biology).
GERMAIN (Mechanical Theory of Fluids).
GLANGEAUD (Physical Geography and Geodynamics).
GODEMENT (Mathematics).
GORENFLOT (Botany).
GRASSÉ (Evolution of Living Organisms).
GRIVET (Electronics).
GUERIN (Chemistry).
GUILBERT (Physics).
GUINIER (Physics).
GUINOCHET (Vegetable Biology).
HAISSINSKY (Radio-chemistry).
HELLER (Vegetable Physiology).
HOCART (Mineralogy and Crystallography).
HOUILLON (Animal Biology).
HUYSÉ (Geology).
HUREL-PY, Mme. (Vegetable Biology).
JACQUINOT (Spectroscopy and Celestial Physics).
JANET (Celestial and Analytical Mechanics).
JEAN (Physics).
JOSIEN, Mlle. (Chemistry).
JOST (Comparative Physiology).
JULIA, GASTON (Higher Analysis and Algebra).
JULIA, MARC (Structural Organic Chemistry).
JULLIEN (Systematic Chemistry).
JUNG, JEAN (Historical Geology).
KAHANE (Mathematics).
KASTLER (Physics).
KIRRMANN (Theoretical Chemistry).
KOURGANOFF (Astronomy).
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LAFFITTE (Chemistry).
LAMOTTE (Zoology).
LE BRETON, Mlle. (Physiology of Nutrition).
LEDERER (Biochemistry).
LELONG, Mme (Mathematics).
LEMEE (Physiology).
LENDER (Animal Biology).
LESIEUR (Mathematics).
LEUNNIER (Physics).
LEVY, MAURICE (Theoretic Atomic Physics).
L'HÉRITIER (General Biology).
LUCAS (Physics).
LUCAS, G. (Geology).
LWOFF (Microbiology).
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MAGNAN (Physics).
MAITTÉ (Chemistry).
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MARÉCHAL (Optics).
MATHIEU (Physics Research).
MATTLER (Physics).
MAY (Comparative Anatomy).
MAZET (General Mechanics).
MEYER (Physics).
MICHEL, ANDRÉ (Chemistry).
MICHEL, LOUIS (Theoretical Physics).
MONNIER (Functional Physiology).
MONOD (Chemistry of Metabolism).
MORAND (Physics).
MOYSE (Vegetable Physics).
NICOLAS (Applied Geology).
NOIROT (Evolution of Living Organisms).
NORMANT (Structural and Applied Organic Chemistry).
NOZERAN (Botany).
OLMER (General Energetics).
OLIVIER (Anthropology).
PANIGEL (General Biology).
PANNETIGER (Chemistry).
PETIT, G. (Marine Biology).
PIAUX (Chemistry).
PISOT (Mathematical Techniques in Physics).
PIVETEAU (Palæontology).
PLANTEFOL (Botany).
PONCIN (General Mechanics).
POSSEL, DE (Numerical Analysis).
POSSOMPES (Animal Biology).
PRENANT (Comparative Anatomy and Histology).
PRÉVOST (Organic Chemistry).
PULLMANN (Theoretical Chemistry).
QUELET (Organic Chemistry).
QUENEY (Meteorology and Atmospheric Dynamics).
QUINTIN, Mlle. (Electro-chemistry).
RIVIÈRE (Geology).
RIZET (Genetics).
ROCARD (Physics).
ROCH, E. (Geology).
ROLLET (Chemistry).
ROUAULT (Electricity).
ROUBINE (Electronics).
ROUTHIER (Structural and Applied Geology).
ROVIER (Petrography).
SALEM (Advanced Mathematics).
SCHATZMAN (Astrophysics).
SCHNEILL (Botany).
SCHWARTZ (Calculus).
SIESTRUNCK (Physical and Experimental Mechanics).
SOLEILLET (Mathematical Physics).
SOUCHAY (Chemistry).
SOULAIRAC (Psycho-Physiology).
STOLKOWSKI (Animal Biology).
TEILLAC (Nuclear Physics and Radioactivity).
TEISSIER (Zoology).
TERMIER (General Geology).
THELLIER (Geophysics).
THIRY (Celestial Mechanics).
THOMAS, ANDRÉ (Experimental Cellular Biology).
TONNELAT (Physico-chemical Biology).
TONNELAT, Mme (Theoretical Physics).
TORTRAT (Probability Calculus).
TRILLAT (Microscopy and Electonic Diffraction).
ULRICH (Plant Physiology).
VASSY (Physics of the Atmosphere).

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VEIL, Mlle. (General Physiology).
VICHNIEVSKY (Technology).
VILLE (Econometrics).
WIEMANN (Structural Organic Chemistry).
WILLEMART (Chemistry).
WURMSER (Physical and Chemical Biology).
WYART (Mineralogy and Crystallography).
YVON (Theoretical Physics).
ZAMANSKY (General Mathematics).

Faculty of Letters and Humanities:

ADAM (History of Modern and Contemporary French Literature).
ALQUIÉ (History of Modern Philosophy).
ANTOINE (History of the French Language).
ARON (Sociology).
ASSELINEAU (American History and Civilisation).
AUBRUN (Spanish Language and Hispanic Literature).
AYMARD (Ancient History).
AYRAULT (German Language and Literature).
BALANDIER (Ethnology of Black Africa).
BASTIDE (Social Ethnology and Religion).
BATAILLE (Papyrology).
BEAUJEU, Mme. (Regional Geography).
BIROT (General Geography).
BLACHÈRE (Arab Philology).
BLIN (French Language and Literature).
BONNEROT (English Language and Literature).
BOURDON (Luso-Brazilian Studies).
BOURRILLY (Polish Language and Literature).
BOUTIÈRE (Romance Philology; Rumanian Studies).
BOUTRUCHE (Economic History of the Middle Ages).
BOYANCE (Latin Language and Literature).
BRACHIN (Dutch Language and Literature).
BRUNSCHVIG (Mohammedanism).
CAHEN (History of the Oriental Musulman).
CANGUILHEM (History and Philosophy of Science).
CASTEX (French Literature).
CHAILLEY (History of Music).
CHAMOUX (Greek Language and Literature).
CHANTRAINE (History of Greek Language).
CHASTEL (History of Modern Art).
COLLART (Latin Language and Literature).
COLLEVILLE (German Language and Literature).
CULIOLI (English Philology).
DAUX (Greek History) (on leave).
DAVID (German Language and Literature).
DEBESSE (Pedagogy).
DÉDÉYAN, C. (Comparative Modern Literatures).
DELOFFRE (History of Modern French).
DEMARGNE (Greek and Roman Archæology).
DESCHAMPS (Modern History of Black Africa).
DESPOIS (Geography of N. Africa).
DRESCH (Geography).
DUPONT-SOMMER, A. (Languages and Civilisation of Ancient Semitic Peoples).
DUPRONT (Modern and Contemporary History).
DURRY (Latin Language, Literature).
DURRY, Mme (French Literature of the 19th and 20th Centuries).
ELLRODT (English Language and Literature of 17th and 18th Century).
ÉTIEMBLE (Comparative Literature).
FABRE (History of French Literature of the 18th century).
FARMER (Contemporary British Literature and Civilisation).
FAVEZ-BOUTONIER, Mme. (Psychology).
FLACELIÈRE (Greek Rhetoric).
FONTAINE (Latin Language and Literature).
FORT (English Literature).
FOURQUET (Philology of Germanic Languages).
FRAISSE (Experimental Psychology).
FRAPPIER (Medieval French Literature).
FRANÇOIS (Archives).
GAILLARD (History of Art of Middle Ages).
GANIAGE (History of Colonisation).
GEORGE (Human Geography).
GERNET (Chinese Languages and Cultures).
GIRARD (Modern and Contemporary History).
GOUGENHEIM (History of French Language).
GOUHIER (History of Religious Thought in France since the 16th Century).
GRANJARD (Russian Language and Literature).
GRAPPIN (German Literature and Civilisation).
GRAVIER (Scandinavian Languages and Literatures).
GRIMAL (Latin Language and Literature).
GUILCHER (Fluvial Hydrology).
GUITTON (Philosophy and the History of Philosophy).
GURVITCH (Sociology).
HAGEUNAUER (Japanese Language and Culture).
HARL, Mme. (Greek Language and Literature).
HEURGON (Latin Language and Literature).
HUMBERT (Classical Greek Philology).
HYPPOLITE (Philosophy and History of Philosophy).
JANKELÉVITCH (Ethics and Moral Philosophy).
LABROUSSE (Economic History).
LACOMBE (Comparative Philosophy).
LAFITTE, Mme. (Russian Language and Literature).
LAGACHE (Psychopathology).
LANDRÉ (Modern British and American Literature and Civilisation).
LAS VERGNAS (Modern Literature and Civilisation of Great Britain).
LEBÈGUE (French 16th and 17th Century Literature).
LE BONNIEC (Latin Language and Literature).
LE BRETON (American Literature and Culture).
LE GENTIL (Pre-Classical French Literature).
LEJEUNE (Linguistics).
LEMERLE (History of Byzantine Civilisation).
LEROI-GOURHAN (Ethnology).
MARGUERON (Italian Language and Literature).
MARROU (History of Christianity).
MARTINET (General Linguistics).
MAYOUX (English Language and Literature).
MINARD (Indian Language and Literature).
MOLLAT (History of the Middle Ages).
MONBEIG (Human Geography).
MOREAU (French Rhetoric).
MOUSNIER (Modern History).
OLERON (Child Psychology).
PATRONNIER DE GANDILLAC (History of Medieval Philosophy).
PELLAT (Arab Language and Civilisation).
PERPILLOU (Political and Economic Geography).
PERRET (Latin Language and Literature).
PERROT (Linguistics).
PERROY, E. (Medieval History).
PIAGET (Child Psychology and Pedagogy).
PICARD (Roman Archeology).
PINTARD (History of Classical French Literature).
PLASSART (Greek Language, Literature and Epigraphy).
POIRIER, MICHEL (Language, Literature and Civilisation of the English Renaissance).
POIRIER, RENÉ (General Philosophy and Logic).
POLIN (History of Philosophy).
PORTAL (Slavonic History and Civilisation).
REINHARD (History of the French Revolution).
RENOU (Civilisation of India and South-East Asia).
RENOUARD (Medieval History).
RENOUVIN (Contemporary History).
RENUCCI (Modern Italian Literature).
RICARD (Spanish Language and Literature).
RICATTE (French Literature).
RICOEUR (Philosophy).
ROBEQUAIN (Geography of the French Union and the Tropics).
ROBERT (Ancient Greek Literature and Civilisation).
RODDIER (Comparative Literature).
RUMEAU (Spanish Language and Literature).
SAULNIER (History of French Humanism).
SCHERER (History and Technics of French Theatre).
SCHUHL (History of Ancient Philosophy).
SESTON (Roman History).
STOETZEL (Social Psychology).
SUSINI (German Literature and Civilisation).
TAPIÉ (Modern History).
WAGNER (French Grammar and Philology).
WORMS DE ROMILLY, Mme. de (Greek Language and Literature).
WUILLEUMIER (Latin Language and Literature).
(Vacant—Medieval History; Byzantine History and Civilisation; Economic and Medieval History; Latin Language and Literature; Italian Language and Literature.)

Faculty of Pharmacy:

BORY (Serology).

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BOUDENE (Toxicology).
CAVIER (Applied Zoology).
COHEN (Pharmaco-dynamics).
COURTOIS (Biochemistry).
CRÉTÉ (Botany).
DELAVEAU (Natural History of Vegetable Medicaments).
DILLEMANN (Deontology and History of Pharmacy).
DOMANGE (Chemistry of Minerals).
GAUTIER (Organic Chemistry).
GIRARD (Analytical Chemistry).
GUILLOT (Physics).
HIR, LE (Galenic Pharmacy).
JANOT (Galenic Pharmacy).
LAMBIN, Mlle. (Microbiology).
MALANGEAU (Chemical Analysis).
MOREAU (Chemical Pharmacy).
MORETTE (Hydrology).
PAOLETTI (Radio Isotopes).
PARIS (Pharmacognosy).
PERCHERON (Biochemistry).
POISSON (Pharmaceutical Chemistry).
QUEVAOUVILLER (Hygiene).
RAOUL (Physiology).
REYNAUD (Pharmaceutical Chemistry).
SAREL (Animal Biology).
TRUHAUT (Toxicology).
VALETTE (Pharmacodynamics).

FACULTY INSTITUTES:

Faculty of Law and Economics

12 Place du Panthéon, Paris V.

Institut de Criminologie: Faculty of Law; f. 1922; is divided into two sections: (1) Criminal Law, (2) Penitentiary Science; Dir. Prof. P. STÉFANI.

Institut de Droit Romain: Faculty of Law; f. 1946; Dir. H. LÉVY-BRUHL.

Institut des Hautes Etudes Internationales: Faculty of Law; f. 1921; Dir. CHARLES ROUSSEAU; library of 4,000 vols.

Institut des Sciences Juridiques et Financières appliquées aux Affaires: Faculty of Law; f. 1946.

Faculty of Medicine

12 rue de l'Ecole-de-Médecine, Paris VI
45 rue des Saints Pères, Paris VI

Institut d'Anesthésiologie: Dir. Prof. J. BAUMANN.

Institut de Diététique: Dir. Prof. J. HAMBURGER.

Institut de Médecine Tropicale: 21 rue de l'Ecole-de-Médecine, Paris VI; f. 1902; Dir. The Dean of the Faculty of Medicine; Gen. Sec. Prof. G. LAVIER.

Institut d'Hygiène Industrielle et de Médecine du Travail: 15 rue de l'Ecole de Médicine; Dir. Prof. H. DESOILLE.

Ecole de Malariologie: 21 rue de l'Ecole-de-Médecine, Paris 6e; Dir. Prof. H. GALLIARD; 7 professors.

Institut de Médecine Légale: 2 place Mazas, Paris XII; Dir. Prof. R. PIÉDELIÈVRE.

Institut de Parasitologie: 21 rue de l'Ecole-de-Médecine, Paris VI; Dir. Prof. H. GALLIARD.

Institut de Progenèse: Dir. Prof. R. TURPIN.

Ecole de Puériculture de la Faculté de Médecine de Paris: 26 boulevard Brune, Paris XIV; Dir. Prof. MARCEL LELONG.

Institut de Puériculture de la Ville de Paris et du Département de la Seine: Hôpital Saint-Vincent-de-Paul, 74 rue Denfert-Rochereau, Paris XIV; Dir. Prof. MARCEL LELONG.

Institut de Radio-Biologie Cellulaire: Dir. Prof. J. VERNE.

Ecole de Sérologie de la Faculté de Médecine de Paris: Institut Alfred-Fournier, 25 boulevard Saint-Jacques, Paris XIV; Dir. M. SICARD DE PLAUZOLES.

Institut de Stomatologie de la Faculté de Médecine: 20 passage Dauphine, Paris VI; Dir. Prof. M. DECHAUME

Institut de Documentation Ophtalmologique.

Institut de Pharmacologie: Dir. Prof. J. CHEYMOL.

Institut d'Histochimie Médicale: Dir. Prof. J. VERNE.

Faculty of Sciences

1 rue Victor-Cousin, Paris V

Ecole Nationale Supérieure de Chimie: 11 rue Pierre Curie, Paris V; f. 1896; Dir. Prof. BÉNARD; Sec.-Gen. M. MATHIEU.

Institut de Mécanique: 11 rue Piere Curie, Paris V; Dir. H. VILLAT.

Institut de Physique du Globe: 191 rue Saint-Jacques, Paris 5e; f. 1921; library of 1,500 vols.; dependent observatories at St. Maur (Seine), Chambon-la-Forêt (Loiret), Nantes (Loire-Atlantique), La Martinique, La Guadeloupe; Dir. E. THELLIER; publs. *Annales de l'Institut de Physique du Globe et du Bureau Central de Magnétisme Terrestre.*

Institut de Préparation aux Enseignements de Second Degré (I.P.E.S.): 1 rue Victor Cousin, Paris 5e; Dir. Prof. AMIEL.

Institut Henri Poincaré (*Mathematics, Mechanics and Physics*): 11 rue Pierre Curie, Paris V; f. 1928 by Rockefeller and Baron Edm. de Rothschild; Dir. P. MONTEL; Sec. P. BELGODÈRE.

Institut National de Biologie Marine: Roscoff Biological Station; Dir. G. TEISSIER; Arago-Banyuls-sur-Mer Laboratory; Dir. G. PETIT.

Centre d'Orsay: Orsay, S.-et-O.

Centre de Recherches Géodynamiques: Thonon-les Bains (Haute Savoie); Dir. Prof. LOUIS GLANGEAUD.

Laboratoire de Géologie Sous-Marine: Villefranche-sur-Mer; Dir. Prof. LOUIS GLANGEAUD.

Faculty of Letters and Humanities

17 rue de la Sorbonne, Paris V.

Institut d'Epigraphie Grecque: 16 rue de la Sorbonne, Paris 5e; Dir. M. PLASSART.

Institut d'Histoire Moderne et Contemporaine.

Institut d'Histoire Economique et Sociale: Dir. Dr. M. E. LABROUSSE.

Institut d'Histoire de la Révolution Française: Faculty of Letters; Dir. M. REINHARD.

Institut d'Etudes Italiennes: 5 rue de l'Ecole-de-Médecine, Paris VI; f. 1928; Dir. M. RENUCCI; publ. *Revue des Etudes Italiennes.*

Institut de Langue, Littérature et Civilisation Anglaises et Nord-Américaines: 5 rue de l'Ecole de Médecine, Paris 6e; Dir. M. LE BRETON.

Institut de Langue et Littérature Françaises: à la Faculté des Lettres; Dir. M. LEBÈGUE.

Institut d'Etudes Latines: à la Faculté des Lettres; Dir. Prof. M. DURRY.

Institut de Linguistique: à la Faculté des Lettres; f. 1921; Dir. M. LEJEUNE.

Institut de Littératures Modernes Comparées: Faculty of Letters; f. 1920; Dir. CH. DÉDÉYAN; publs. *Revue de littérature comparée, Etudes de littérature étrangère et comparée.*

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Institut de Papyrologie: à la Faculté des Lettres; Dir. M. BATAILLE.

Institut d'Etudes Portugaises et Brésiliennes: 17 rue de la Sorbonne, Paris V; Dir. Prof. LÉON BOURDON.

Centre de Recherches sur la Civilisation de l'Europe Moderne: 17 rue de la Sorbonne, Paris V; Dir. M. MOUSNIER.

Centre d'Etudes Supérieures du Tourisme: Dir. Prof. CHABOT.

Centre de Recherches Préhistoriques et Protohistoriques: Dir. Prof. LEROY GOURHAM.

Centre de Civilisation Polonaise: 15 rue Champollion; Dir. M. B. GEREMEK.

Institut d'Etudes Roumaines: 16 rue de la Sorbonne, Paris V; f. 1913; library of 4,000 vols.; Dir. JEAN BOUTIÈRE.

Centre de Recherches d'Histoire des Slaves: 17 rue de la Sorbonne, Paris V; Dir. M. PORTAL.

Centre de Recherches d'Histoire et Civilisation Byzantines: 17 rue de la Sorbonne, Paris V; Dir. M. LEMERLE.

Ecole Supérieure de Préparation et de Perfectionnement des Professeurs de Français à l'Etranger: 47 rue des Ecoles and 46 rue St. Jacques, Sorbonne, Paris V; reorganised 1945; 400 members; Dir. SAULNIER.

Institut de Préparation aux Enseignements de Second Degré: 17 rue de la Sorbonne, Paris 5e; Dir. Prof. WUILLEUMIER.

Institut d'Etudes Théâtrales: 18 rue de la Sorbonne, Paris V; Dir. M. LEBÈGUE.

Faculty of Pharmacy

4 avenue de l'Observatoire, Paris 6e.

Institut de Pharmacotechnie et de Pharmacodynamie: Faculty of Pharmacy.

SCHOOLS AND UNIVERSITY INSTITUTES:

I. Ecoles Normales Supérieures

Ecole Normale Supérieure: 45 rue d'Ulm, Paris V; f. 1794 by the National Convention; library contains 600,000 vols.; Dir. JEAN HYPPOLITE; Asst. Dir. A. KIRRMANN; Librarian M. MARTIN; publs. *Publications de l'Ecole Normale Supérieure (Lettres)*, *Publications de l'Ecole Normale Supérieure (Sciences)*, *Annales Scientifiques de l'Ecole Normale Supérieure.*

PROFESSORS:

Department of Letters:

DAVID (German Literature).
DEMARGNE (Archæology).
DRESCH (Physical Geography).
FARMER (Anglo-Saxon Literature).
FRAPPIER (French Language and Literature).
GRIMAL (Classics).
HEURGON (Roman Civilisation).
HYPPOLITE (Philosophy and Psychology).
LE GENTIL (French Literature).
MAYOUX (Foreign Languages and Literature).
MONBEIG (Geography).
PERPILLOU (Economic Geography).
PRIGENT (French Language and Literature).
RENOUARD (History and Geography).
ROMILLY, Mme WORMS DE (Classics).
SESTON (Roman History).
SUSINI (Foreign Languages and Literature).
TAPIÉ (Modern History).
VUILLEMIN (Philosophy).

Department of Sciences:

BÉNARD (Chemistry).
BERGERARD (Natural Sciences).
BRELOT (Mathematics).
BRUSSET (Chemistry).
BUVAT (Botany).
CARTAN (Mathematics).
CURIEN (Chemistry).
GAUTHIER (Applied Mechanics).
GODEMENT (Mathematics).
HELLER (Natural Sciences).
KASTLER (Physics).
KIRRMANN (Chemistry).
LELONG (Mathematics).
LICHNEROWICZ (Mathematics).
PASCAL (Chemistry).
PLANTEFOL (Botany).
RIVIÈRE (Natural Science).
ROCARD (Physics).
TEISSIER (Natural Sciences).
WIEMANN (Chemistry).

Ecole Normale Supérieure des Jeunes Filles: 48 boulevard Jourdan, Paris 14e; Dir. Mme M.-J. DURRY.

II. University Institutes

Centre de Hautes Etudes Administratives sur l'Afrique et l'Asie Modernes: 13 rue du Four, Paris 6e; Dir. P. RONDOT; publs. *L'Afrique et L'Asie* (quarterly), *Orient-Occident* (bi-monthly), *Cahiers de l'Afrique et l'Asie* (irregular), *Langues et Dialects d'Outre-Mer* (irregular).

Institut des Hautes Etudes de l'Amérique Latine: 28 rue St. Guillaume, Paris 7e; f. 1952; Dir. M. P. MONBEIG.

Institut d'Art et d'Archéologie: 3 rue Michelet, Paris VI; Dir. Prof. P. DEMARGNE.

Institut de Biologie Clinique: Hôpital Cochin, 27 Faubourg St.-Jacques, Paris XIV; Dir. P. JUSTIN-BESANÇON.

Institut de Recherches Scientifiques sur le Cancer: 16-*bis* avenue Vaillant-Couturier, Villejuif (Seine); f. 1925; Dir. P. GRABAR; Adm. J. CROZEMARIE.

Ecole Supérieure de Cartographie Géographique: 191 rue Saint-Jacques, Paris 5e; Dir. J. DRESCH.

Institut des Hautes Etudes Chinoises de l'Université de Paris: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1920; library contains 8,000 vols. in European languages and 100,000 in Chinese; Dir. LOUIS HAMBIS.

Institut de Démographie: 2 rue Cujas, Paris 5e; Dir. M. A. SAUVY.

Institut d'Etude du Développement Economique et Social: 96 boul. Raspail, Paris 6e; Dir. M. PERROUX.

Institut de Droit Comparé: 28 rue Saint-Guillaume, Paris 7e; f. 1931; library contains 20,000 vols.; Dirs. R. RODIÈRE and C. COLLIARD; Sec.-Gen. JACQUES BERNARD HERZOG; publs. *Revue de Science criminelle*, *Annales de Finances publiques*, *Annales Economiques.*

Centre Français de Droit Comparé: 28 rue Saint-Guillaume, Paris 7e; Pres. M. JULLIOT DE LA MORANDIÈRE.

Institut d'Education Physique: 1 rue Lacretelle, Paris XV; f. 1928; Dir. P. CHAILLEY-BERT.

Institut d'Ethnologie: Musée de l'Homme, Palais de Chaillot, Paris XVI; f. 1925; Dirs. A. LEROI-GOURHAN and Prof. C. LÉVI-STRAUSS; publ. *Travaux et Mémoires de l'Institut d'Ethnologie de l'Université de Paris.*

Institut de Géographie: 191 rue Saint-Jacques, Paris V; f. 1923; library contains 17,000 vols., 70,000 maps, 600 reliefs, 700 diapositives; Dir. J. DRESCH.

Institut d'Etudes Germaniques: 5 rue de l'Ecole-de-Médecine, Paris VI; Dir. M. COLLEVILLE.

Institut de Langues et Littératures Grecques Médiévales et Modernes: 47 rue des Ecoles, Paris 5e; Dir. M. MIRAMBEL.

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Institut d'Etudes Hispaniques: 31 rue Gay-Lussac, Paris V. f. 1929; 12,000 vols. in library; Dirs. MM. AUBRUN and RICARD.

Institut d'Histoire des Sciences et des Techniques: 13 rue du Four, Paris VI; f. 1932; library of 2,000 vols.; Dir. Prof. GEORGES CANGUILHEM, PH.D.; publ. *Thalès.*

Institut de Civilisation Indienne: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. by E. Sénart; Dir. Prof. LOUIS RENOU.

Ecole Supérieure d'Interpretès et de Traducteurs: Dir. M. GRAVIER.

Institut d'Administration des Entreprises: 12 place du Panthéon, Paris V; Dir. M. GOETZ.

Institut d'Etudes Iraniennes de l'Université de Paris: Library: 19 avenue d'Iéna, Paris 16e.

Institut d'Etudes Islamiques et Centre d'Etudes de l'Orient Contemporain: 13 rue du Four, Paris VI; f. 1929; Dir. Prof. R. BLACHÈRE.

Institut d'Etudes Japonaises: 47 rue des Ecoles, Paris Ve; f. 1935; Dir. M. HAGUENAUER.

Institut de Musicologie: 3 rue Michelet, Paris VI; f. 1951; Dir. JACQUES CHAILLEY.

Institut de Pédiatrie Sociale: Hôpital des Enfants Malades, 149 rue de Sèvres, Paris 15e; Dir. Prof. J. MARIE.

Institut de Phonétique: 19 rue des Bernardins, Paris V; Dir. (Vacant).

Institut d'Etudes Politiques de l'Université de Paris: 27 rue Saint-Guillaume, Paris VII; f. 1945 as successor to l'Ecole Libre des Sciences Politiques; library contains 150,000 vols.; Dir. JACQUES CHAPSAL.

Fondation Nationale des Sciences Politiques: 27 rue Saint-Guillaume, Paris 7e; f. 1945; library (*see* page 433) and press library; promotes the development of the political, economic and social sciences; Administrator JACQUES CHAPSAL; administers two research centres:

Service d'Etude de l'Activité Economique et de la Situation Sociale: 4 rue Michelet, Paris 6e.

Centre d'Etude des Relations Internationales.

Institut Français de Presse: 27 rue Saint-Guillaume, Paris 7e; Dir. F. TERROU.

Institut de Psychologie: 28 rue Serpente, Paris 6e; f. 1921, Dirs. DELAY, GRASSÉ, FRAISSÉ.

Institut d'Etudes Scandinaves: 16 rue de la Sorbonne, Paris 5e; Dir. M. GRAVIER.

Institut des Sciences Sociales du Travail: Teaching Dept.; 2 rue Cujas; Dir. M. DAVID; Research Dept., 27 rue de Fleurus, Paris 6e; Dir. M. STOETZEL; Pres. of the Council le Recteur de l'Université de Paris.

Institut d'Etudes Sémitiques: 16 rue de la Sorbonne, Paris 5; f. 1930; Pres. Prof. A. DUPONT-SOMMER; publ. *Semitica.*

Institut d'Etudes Slaves: 9 rue Michelet, Paris VI; f. 1920; 170 mems.; 100,000 vols.; Pres. M. ROGER PORTAL; publs. *Revue des Etudes Slaves* and different collections.

Institut de Statistique de l'Université de Paris: 9 Quai Saint Bernard, Paris V; f. 1922; Dir. of Studies D. DEGUÉ; publs. *Publications de l'Institut, Revie de Statistique appliquée.*

Institut d'Etudes Turques de l'Université de Paris: 13 rue du Four, Paris 6e; Dir. M. BAZIN.

Institut d'Urbanisme de l'Université de Paris: 3 rue Michelet, Paris VI; f. 1919; Dir. P. LAVEDAN; publ. *Urbanisme et Habitation.*

III. Other University Institutions

Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris: 10 rue Vauquelin, Paris V; f. 1882; Dir. RENÉ LUCAS.

Cours de Civilisation Française: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1919; Dir. GEORGES MATORÉ.

Ecole Préparatoire des Hautes Etudes d'Interprétariat: 15 rue Champollion, Paris 5e; f. 1953; Dir. M. MATORÉ; Dir. of Studies M. OUVRIEU.

Palais de la Découverte: avenue Franklin D. Roosevelt, Paris VIII; f. 1937 as a museum for the popularisation of science; departments of mathematics, astronomy, physics, chemistry, biology, medicine, surgery, history of science, also includes a Planetarium; Dir. M. BAYEN; publs. *Conférences, Catalogues.*

Centre d'Etudes Supérieures de Mécanique: 1 avenue de Général Balfournier, Paris 16e; administered by the Institut de Mécanique; post-graduate courses in aero-thermodynamics.

Observatoire de Nice: *see* page 326.

Observatoire de Paris: *see* page 326.

Institut du Radium: 11 rue Pierre Curie, Paris V; f. 1909; Laboratories of Nuclear Physics, Radioactivity and Radio-Chemistry; Biological and Medical Department.

UNIVERSITÉ DE POITIERS

5 CITÉ DE LA TRAVERSE, POITIERS

Telephone: 3-79

Founded 1432.

Rector: J. BLAIZOT.
Secretary: M. PÉE.
Librarian: Mlle J. GIRAUD.

Number of teaching staff: 290, including 95 professors.
Number of students: 3,730 men, 2,894 women, total 6,624.

DEANS

Faculty of Law: G. CORNU.
School of Law of Limoges: G. RECH (*Director*).
School of Law of Tours: H. JANEAU (*Director*).
Faculty of Sciences: P. BROUSSE.
Faculty of Letters: M. LAVAUD.
School of Medicine of Poitiers: Dr. DEBELUT.
School of Medicine of Tours: Dr. ARON.
School of Medicine of Limoges: Dr. FAURE.
Ecole Nationale Supérieure de Mécanique Aérotechnique: M. MANSON (*Director*).

PROFESSORS:

Faculty of Law:
CORNU (Civil Procedure).
DESGRANDES (Administrative Law).
FILHOL (History of Social Institutions).
GABILLARD (History of Economic Doctrines).
HORNBOSTEL (Political Economy).
JANEAU (History of Social Institutions).
MALAURIE (Civil Law).
OLIVIER-MARTIN (History of Social Institutions).
SAVATIER, J. (Commercial Law).
SAVATIER, R. (Civil Law).
TIXIER (Constitutional Law).

School of Law of Limoges:
ARDANT (Commercial Law).
BEAULIEU (Civil Procedure and its Application).
BOSGIRAUD (Private International Law).
BROQUEREAU (History of Institutions).
CHARRIÈRE (Civil Law).
CHARTIER (Civil Law).

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DAUDET (Administrative and Financial Law).
DAURIAC (Criminal Law).
DURAND (Civil Law).
MALINVAUD (Civil Law).
MEYNIER (Civil Law).
PAROUTAUD (Constitutional and Public International Law).
RECH (History of Law and Roman Law).
RINGUET (Science and Financial Law).
TARRADE (Public Law and Labour Legislation).

School of Law of Tours:

AUGRAIN (Civil Law).
BARATHON (Economic Science).
BROTTIER (Civil Procedure and its Application).
DUNEIGRE (Administrative Law).
FILLET (Public International Law).
GARNIER (Economic Science).
LIGNEAU (Public Law).
MILLIAT (Constitutional Law).
PALLU DE LESSERT (Civil Law).
PETIT (Civil Law).
RATEAU (Criminal Law).
ROBERT (Criminal Law).

Faculty of Sciences:

BROUSSE (Rational and Applied Mechanics).
CHARTIER (Physics).
DOLBEAULT (Mathematics).
DUCHAIGNE (Vegetable Biology).
GARGOUIL (Animal Physiology).
GAVAUDAN (Botany).
GRAY (Physics).
JACQUESSON (Physics).
JOLIET (Physics).
LARAMBERGUE (Zoology).
LAURENT (Mechanics of Solids).
LAZARD (Mathematics).
LEGRAND (Animal Biology).
MATHIEU (Geology).
NERON (Algebra and Geometry).
PATTE (Paleontology of Vertebrates and Humans).
REVUZ (Differential and Integral Calculus).
TABOURY (Chemistry).
VALENSI (Chemistry).
ZOUCKERMANN (Physics).

Faculty of Letters:

BARDON (Latin Philology and Antiquities).
BIZET (German Language and Literature).
BRISSON (Latin Literature and Roman Institutions).
CASTELLAN (Contemporary History and the History of Art).
CROZET (Regional and General History of Art).
DUCHEMIN, Mlle (Greek).
DUFRENNE (Morals and Sociology).
EGRET (Modern and Contemporary History).
FÉNELON (Geography).
FRANDON, Mlle (Modern French Literature).
IRIGOIN (Greek Language and Literature).
LABANDE (Medieval History).
LAVAUD (History and Literature of Poitou and Western Departments).
LEAUD (Contemporary English Literature).
MARTIN (English Language and Literature).
MESNARD (Renaissance Culture and Philosophy).
PUCELLE (Philosophy).
ROBERT (Geography).
THOUVENOT (Ancient History).
VERGER (Spanish Language and Literature).

School of Medicine and Pharmacy of Poitiers:

BEAUCHANT, J. (Clinical Medicine).
BODROUX (Chemistry and Toxicology).
DEBELUT (Surgical Pathology).
FERRU (Child Medicine).
LEMESLE (Natural History).
MALLET (Medical Science).
PAYARD (Pathological Anatomy).
QUIVY (Clinical Obstetrics).
ROUSSEAU (Medical Pathology).

School of Medicine and Pharmacy of Limoges:

BLANC (Medical Pathology).
CHARRUYER (Physics).
COUSSIEU (Clinical Oto-Rhino-Laryngology).
FAURE (Clinical Surgery).
FILHOULAUD (Surgical Pathology).
GÉRALD (Chemistry).
MANDOUL (Parasitology).
RICHARD (Physiology).
VALIÈRE-VIALEIX (Clinical Ophthalmology).
VALLAT (Clinical Medicine).
WAGNER (Materia Medica).

UNIVERSITÉ DE REIMS

RHEIMS

Founded 1962

Rector: YVES SEGUILLON.

UNIVERSITÉ DE RENNES

19 BOULEVARD DE SÉVIGNÉ, RENNES

Telephone: 40-23-44

Founded at Nantes in 1461 by the Duke of Brittany, François II; transferred to Rennes in 1735

Rector: H. LE MOAL.
Secretary: M. ROUSSEAU.
Librarian: J. SANSEN.

Number of teaching staff: 505, including 115 professors.
Number of students: 5,825 men, 3,900 women, total 9,725.

Publications: *Annuaire de l'Université, Annales de Bretagne.*

DEANS:

Faculty of Jurisprudence: M. LOUSSOUARN.
Faculty of Science: M. MARTIN.
Faculty of Letters: M. MARACHE.
Faculty of Medicine of Rennes: M. LAMACHE.
School of Dental Surgery and Stomatology: C. HOUALET (*Director*).

PROFESSORS:

Faculty of Jurisprudence:

BÉNOIT (Administrative Law).
BIAYS (Political Economy).
BLAISE (Private Law).
BOUZAT (Criminal Law).
BREJON DE LAVERGNÉE (History of Law).
CAVARÉ (Public International Law).
COSNARD, M. (Roman Law).
DEPREZ (Private Law).
GONIDEC (Public Law).
KRIER (Political Economy).
KRIER, Mme (Political Economy).
LE BOURVA (Commercial Law).
LIET-VEAUX (Constitutional Law).
LOUSSOUARN (Civil Law).
MOREAU (Public Law).
PÈRCEROU (Penal Law).
TURLAN (Economic Sciences).
VEAUX (Private Law).

Faculty of Science:

ABBAYES, DES (Botany).
BOCLE (Mathematics).
BOISTEL (Zoology).
BOT JEAN LE (Physics).
CHARPENTIER, Mlle (Mathematics).
DELAVAULT (Mathematics).
DURAND (Geology).
GLAESER (Mathematics).
GOAS (Botany).
GUÉRINDON (Mathematics).
HAGÈNE (Botany).
JOHANNIN (Physics).
LE MONTAGNER (Physics).

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LEVAS (Chemistry).
LIBERMANN, Mlle (Mathematics).
MAILLET (Zoology).
MARTIN (Differential and Integral Calculus).
MEINNEL (Physics).
MEVEL (Physics).
MILON (Geology, Mineralogy).
MONOD-HERZEN (Physics).
PELTIER (Chemistry).
PHILIPPOT (Geology).
POISSON (Zoology).
PRIGENT (Chemistry).
RENAUD (Geology).
RICHARD (Animal Biology).
ROBIN (Physics).
ROBIN, Mme. (Physics).
SALMON-LEGAGNEUR (Chemistry).
VACHER (Physics).
VALLET (Chemistry).
VÈNE (Chemistry).
VIGNERON (Physics).
VILLERET (Physiology).
VUILLART (Chemistry).

Faculty of Letters:

ARBOUSSE-BASTIDE (Social Psychology).
BATARD, Mlle (Comparative Literature).
BOUSQUET (Greek).
CHASTAGNOL (History of Antiquity).
CONTAMINE (Modern History).
DELUMEAU (History).
DUMAS (Italian Language and Literature).
FALC'HUN (Celtic Languages and Literatures).
FOREVILLE, Mlle (History of the Middle Ages).
FOULON (Medieval French Language and Literature).
FRÉVILLE (Economic History).
GAGNEPAIN (General Linguistics and Erse).
GERMAIN (Greek).
GOLDSCHMIDT (Philosophy).
GOUBERT (Economic History).
GRANGER (Logic).
JONES-DAVIES (English).
LEBLANC (Logic).
LE YAOUANG (French Language and Literature).
MAITRE (English).
MARACHE (Latin).
MEYNIER (Geography).
MUCCHIELLI (Social Psychology).
MUSSAT (History of Art).
PEDECH (Greek).
PÉGUY (Geography).
PHLIPPONNEAU (Human Geography).
POCQUET DU HAUT-JUSSÉ (History of Brittany).
RUELLAN (Geography).
SAUZIN (German).
THORAVAL (French Language and Literature).
TRÉPOS (Celtic Language and Literature).
VIER (French Language and Literature).

Faculty of Medicine of Rennes:

ARDOUIN (Clinical Ophthalmology).
BOUREL (Clinical Medicine).
BOURGUET (Oto-Rhino-Laryngology).
CHAMBON (Histology).
CHAUVEL (Analytical Chemistry).
CHEVREL, Mme (Pathological Anatomy).
CORMIER (Materia Medica).
COUTEL (Bacteriology and Hygiene).
DE GUYON (Biology).
DOBY (Parasitology and Applied Zoology).
GRANGAND (Medical Biochemistry).
GRÉGOIRE (Pharmacy).
GUELFI (Medical Physics).
GUIHENEUC (Clinical Surgery).
HUARD (Anatomy).
JACQUEMIN (Parasitology).
LAMACHE (Clinical Medicine).
LE GAC (Medical Chemistry).
LEROY (Infectious Diseases).
MARUELLE (Surgical Pathology).
MICHAUX (Forensic Medicine).
PATAY (Physiology).
PECKER (Clinical Neuro-surgery).
PELLE, ABEL (Clinical Surgery).
SAMBRON (General and Internal Pathology).
SÉNÉCAL (Clinical Pædiatrics).
TIOLLAIS (Pharmaceutical Chemistry).
TOULOUSE (Clinical Obstetrics).
VIVIEN (Therapeutics).
(Vacant—Neuro-Surgery, Neurology and Psychiatry, Clinical Medicine for Infants, Botany and Cryptogamia, Biological Pharmaceutical Chemistry.)

UNIVERSITÉ DE STRASBOURG

6 RUE DE LA TOUSSAINT,
STRASBOURG
Telephone: 32 59 80
Founded 1537, University 1621

Rector: J. F. ANGELLOZ.
Secretary-General: M. AUBERT.

Number of teaching staff: 722.
Number of students: 12,274.

DEANS:

Faculty of Catholic Theology: M. NEDONCELLE.
Faculty of Protestant Theology: F. WENDEL.
Faculty of Law and Political Science: A. WEILL.
Faculty of Medicine: R. FONTAINE.
Faculty of Sciences: M. MILLOT.
Faculty of Letters: M. LIVET.
Faculty of Pharmacy: M. GAZET DU CHATELIER.

PROFESSORS:

Faculty of Catholic Theology:

BARBOTIN (Philosophy).
BERNHARD (Canon Law).
BUHR (Moral and Pastoral Theology).
CHATILLON (Church History).
CHAVASSE (Dogmatic Theology).
CHIRAT (History of Religions).
GIET (Church History).
HAURET (Old Testament).
JAVELET (Philosophy).
METZ (Canon Law).
NEDONCELLE (Apologetics).
PLAGNIEUX (Dogmatic Theology).
ROBERT (Moral and Pastoral Theology).
SCHMITT (New Testament).
VOGEL (Liturgical History and Christian Archæology).

Faculty of Protestant Theology:

BENOIT, A. (History of Ancient Christianity).
BURGELIN (Philosophy of Religion).
CLAVIER (New Testament).
HONEGGER (Musicology).
JACOB (Old Testament).
MEHL (Moral Theology).
PETER (Practical Theology).
PHILONENKO (History of Religions).
TROCME (New Testament).
VOELTZEL (Practical Theology).
WENDEL (History of Christianity).

Faculty of Law and Political Science:

BASTIAN (Commercial Law).
CHABART (Economic Theory).
CHAMLEY (Political Economy).
CHATELAIN (Public Law).
COULBOIS (Social and Rural Economy).
DEBBASCH (History of Institutions and Social History).
DENOYEZ (Roman Law).
HERAUD (Constitutional Law).
LAVIGNE (International Law).
LEAUTE (Legislation).
MOUSKHELY (Public Law).
PALLASSE (Roman Law).
RADOUANT (Civil Law).
REYNAUD (Political Economy).

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SINAY, Mme (Civil Procedure).
SOTO, DE (Administrative Law).
TERRE (Private Law).
WEILL (Advanced and Comparative Civil Law).
WEILLER (Civil Law).

Faculty of Medicine:
BURGER (Obstetrics).
CALLOT (Parasitology and Tropical Medicine).
CHAUMONT (Forensic and Social Medicine).
CHEVALLIER (Biological Physics).
CLAVERT (Embryology).
FONTAINE (Clinical Surgery).
GREINER (Oto-Rhino-Larynology).
GROS (Electro-Radiology).
JUNG (Surgical Pathology).
KAMMERER (Clinical Psychiatry).
KAYSER (Physiology).
KLEIN (Medical Biology).
LEGAL (Pathological Anatomy).
MANDEL (Biochemistry).
MARESCAUX (Histology).
MARX (Physiology).
METZ (Physiology).
METZGER (Therapeutics).
MEYER, P. (Anatomy).
MINCK (Hygiene and Bacteriology).
NORDMAN (Clinical Ophthalmology).
OUDET (Prevention of Tuberculosis).
ROHMER (Clinical Neurology).
SACREZ (Children's Diseases).
SCHMID (Pharmacology and Experimental Medicine).
STAHL (Clinical Medicine).
STEPHAN (Clinical Medicine).
THIEBAUT (Clinical Neurology).
TULASNE (Bacteriology).
VEDRINE (Stomatology).
WAITZ (Hematology).
WARTER (Clinical Medicine).
WEISS (Surgery).
WORINGER (Clinical Dermato-Syphilography).
(Vacant—Therapeutic Hydrology and Climatology).

Faculty of Sciences:
ARMBRUSTER (Physics).
BENOIT (Physics).
BERGER (Mathematics).
BOSCHER (Mechanics of Fluids).
BRENET (Physical Chemistry).
BYE (Mineral and Physical Chemistry).
CARTIER (Rational Mechanics).
CERF, R. (Physics).
COCHE (Nuclear Physics).
COGNE (Geology).
CUER (Physics).
DELUZARCHE (Chemistry).
DONNET (Physical Chemistry).
EBEL (Biological Chemistry).
FORESTIER (Chemistry).
FRENKEL (Mathematics).
FUCHS (Mathematics).
GAGNIEU, Mlle A. (Botany).
GALLMAN (Physics).
GILLET, S. (Palæontology).
GOLDSZTAUB (Mineralogy and Petrography).
GORODETZKY (Physics).
HIRTH (Microbiology).
HUGEL (Chemistry of Petroleum).
JOLY (Animal Biology).
KOSZUL (General Mathematics).
LACROUTE (Astronomy).
LECOLAZET (Terrestrial Physics).
LEVI (General Biology).
LOMBARD (Organic Chemistry).
LONCHAMP (Physics).
MAILLARD (Chemistry).
MARESQUELLE (Plant Biology).
MIALHE (Animal Physiology).
MILLOT (Geology and Palæontology).
NIKITINE (Physics).
OURISSON (Chemistry).
PEREY, Mlle (Nuclear Chemistry).
PLUVINAGE (Mathematical Physics).
ROCHE (Geophysics).
ROHMER (Chemistry).
ROTHÉ, J. (Terrestrial Physics).
ROUSSEL (Differential and Integral Calculus; Functions).
SACKMANN (Mechanics of Fluids).
SADRON, C. (Macromolecular Physiochemistry).
SAUCIER (Mineralogy).
SIGOT (Zoology).
STEPHAN (Zoology).
STUTINSKY (Physiology).
TALANG (Physics).
THOM (Higher Analysis).
VIVIEN (Zoology and Experimental Embryology).
YOCCOZ (Physics).
(Vacant—Experimental Physics and Physiology.)

Faculty of Letters:
AMANDRY (Classical Archæology).
ANZIEU (Psychology).
AUREAS (Italian Language and Literature).
BACQUET (English Philology).
BÉQUIGNON (Ancient History of Greece and of the Orient).
BOURGEY (History of Philosophy).
CHARIER (German Philology).
DAGENS (Classical French Literature).
DOLLINGER (History of Alsace).
FOURRIER (16th Century and Medieval French Language and Literature).
FREZOULS (Roman History).
FUCHS (German Culture).
FUGIER, Mlle (Latin Philology).
GALLAIS (Geography).
GAULMIER (19th Century French Literature).
GUENEE (Medieval History).
GUSDORF (General Philosophy and Logic).
GUYARD (20th Century French Literature).
HATT, (National and Rhenish Antiquities).
JUILLARD (Geography).
LAROCHE (Comparative Grammar and Linguistics).
LECLANT (Egyptology).
LEFEBURE (Sociology).
L'HUILLIER (Contemporary History).
LIVET (Modern History).
MOIGNET (Romance Philology).
MURAT (German Language and Literature).
NANDRIS (Rumanian).
NEHER (Hebraic Language and Literature).
OGUSE (Greek Language and Literature).
PARENT, Mlle. (History of French Language).
POTTIER (Spanish and Italian Philology).
POULENARD (Scandinavian Languages).
REMORDS (English Literature).
ROCHEFORT (Regional Geography).
ROOS (Comparative Literature).
SCHILLING (Latin Language and Civilisation).
SCHLAGDENHAUFFEN (Contemporary German Literature).
SCLUMBERGER (History and Civilisation of Byzantium).
SCHWARTZ (Greek Language and Papyrology).
SIMON (History of Religions).
STRAKA (Phonetics).
THIRIET (Auxiliary Historical Sciences).
TRICART (Geography).
TRIOMPHE (Slavonic Philology).
UNBEGAUN (Slavonic Philosophy).
ZAHAN (Ethnology).
ZEHNACKER (Latin).

Faculty of Pharmacy:
CORDIER (Pharmaceutical Chemistry).
DUQUENOIS (Materia Medica).
EBEL (Biochemistry).
GAZET DU CHATELIER (Galenic Pharmacy).
HASSELMANN (Analysis and Toxicology).
JAEGER (Botany).
LEDOUX (Natural Sciences).
METAIS (Applied Sciences).
SARTORY, R. (Bacteriology and Cryptogamy).
SCHREIBER (Organic Chemistry).

Institut de Droit Canonique.
Director: M. METZ.

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Observatoire Astronomique: f. 1881.
Director: P. LACROUTE.

Institut d'Etudes Politiques: f. 1945.
Director: M. LAVIGNE.

Ecole Nationale Supérieure de Chimie: f. 1948.
Director: H. FORESTIER.

Centre d'Etudes Germaniques: f. 1948.
Director: Prof. A. SCHLAGDENHAUFFEN.

Institut de Recherches Nucléaires: f. 1951.
Director: S. GORODETZKY.

Centre Universitaire des Hautes Etudes Européennes.
Director: I. L'HUILLIER.

Institut d'Enseignement Commercial Supérieur: f. 1956.
Director: M. BASTIAN.

Institut d'Economie appliquée aux Affaires.
Director: M. COULBOIS.

Centre International d'Enseignement Supérieur du Journalisme.
Director: M. LEAUTE.

Ecole Supérieure de Chimie de Mulhouse: 24 Quai du Fossé; f. 1822.
Director: M. MEYBECK.

Collège Universitaire de Mulhouse.
Director: M. TAGLANG.

Collège Universitaire de Metz.
Director: M. LONCHAMP.

UNIVERSITÉ DE TOULOUSE

20 RUE SAINT-JACQUES, TOULOUSE

Telephone: 52-64-61; 52-64-62

Founded 1229.

Rector: Dr. PAUL DOTTIN.
Secretary: M. CHIEULET.
Librarian: Mlle ARDUIN.

Number of students: 6,737 men, 4,233 women, total 10,970.

Publications: *Bulletin de l'Université, Annales de la Faculté des Sciences, Revue Géographique des Pyrénées et du Sud-Ouest*, etc.

DEANS:

Faculty of Law: Dr. MARTY.
Faculty of Medicine and Pharmacy: Dr. LAZORTHES.
Faculty of Sciences: Dr. DURAND.
Faculty of Letters: Dr. GODECHOT.

PROFESSORS:

Faculty of Law:

BRIMO (Public International Law; Public Law).
CARTOU (Fiscal Law).
CLUSEAU (Political Economy, French Union Law).
COUZINET (Administrative Law).
DAUVILLIER (Roman Law).
DESPAX
DUPEYROUX, J. (Private Law, Social Security).
DUPEYROUX, O. (Public Law).
HÉBRAUD (Civil Law, Registration; Judicial Institutions).
LÉTINIER (Statistics; Demography).
MALAFOSSE, DE (History of Private Law).
MARTIN DE LA MOUTTE (Civil Law).
MARTY (Civil and Industrial Law).
MERLE (Penal Law and Criminology).
MONTANÉ DE LA ROQUE (Constitutional Law).
OURLIAC (History of Codified Law; Social History).
PALLARD (Civil Law, Social Security, Communal and Economic Law).
SAINT-ALARY (Civil Procedure, Application of Law, Air Law).
SICARD (Roman Law).
VELLAS (Public Law).
VIDAL (Civil Law).
VIGREUX (Political Economy, History of Economic Theory).

Faculty of Medicine and Pharmacy:

ANDRIEU (Bacteriology, Hygiene and Social Medicine).
AUVERGNAT (Physico-chemistry).
BAÏSSET (Applied Physiology and Pharmacology).
BAZEX (Skin and Syphilitic Diseases).
BIMES (Histology).
BLANC (Pharmeceutical Chemistry).
BOUISSET (Parasitology, Pharmaceutical Hygiene).
BOUNHOURE (Social Insurance).
BOURBON (Toxicology, Industrial Hygiene).
BROUSSY (Embryology).
BUGNARD (Biological Physics).
CALMETTES (Clinical Ophthalmology).
CALVET (Oto-Rhino-Laryngology and Maxillo-Facial Surgery).
CAUJOLLE (Chemical Pharmacy, Pharmacodynamics).
COULOUMA (Anatomy).
COUTURIER (Pharmacy).
DARDENNE (Therapeutics).
DARNAUD (Hydropathy and Climatology).
DELAS (Natural History).
DULUCQ, Mme (Botany and Cryptogramy).
ENJALBERT, Mme (Bacteriology).
FABRE, JACQUES (Pathological Anatomy).
FABRE, PIERRE (Clinical Surgery and Gynæcology).
GADRAT (Clinical Medicine).
GÉRAUD (Clinical Neurology and Psychiatry).
GRIMOUD (Surgical Pathology).
GUILHEM (Clinical Obstetrics).
LA PORTE, J. (Medical Propædeutics).
LA PORTE, Y. (Physiology).
LAZORTHES (Anatomy).
LHEZ (Urinary Diseases).
MARQUES (Electroradiology).
MERIEL (Clinical Medicine).
MOREL (Pathology and Tuberculosis).
PLANQUES (Forensic and Industrial Medicine, Medical Ethics).
PONTONNIER (Obstetrics).
POUILHES (Applied Anatomy).
RIEUNAU (Clinical Traumatology).
ROUX (Natural History).
SENDRAIL (Pathology and Experimental Medicine).
SOREL, R. (Clinical Child Medicine).
STANISLAS (Galenic Pharmacy).
VALDIGUIÉ (Biological Chemistry).
VINCENT (Materia Medica).
VIRENQUE (Clinical Orthopædic and Child Surgery).

Faculty of Sciences:

ANGELIER (Zoology).
BAYET (Physics).
BEDOS (Chemistry).
BERDUCOU (Vegetal Physiology).
BIREBENT (Electronics).
BLAIZOT (Physiology).
BLANC (Nuclear Physics).
BRUNEL (Botany).
BRUNEZ-CAPPELLE
CASTÉRAS (Geology).
CATHALA (Chemistry and Chemical Engineering).
COMBES (Rational and Applied Mechanics).
DESSENS (Geophysics)
DIEHL (Agronomy).
DUPIN (Radioelectricity).
DURAND, E. (Physics, Electronics).
ESCANDE (Mechanics, Industrial Electricity).
FARRAN (Geochemistry).
FERRE, Mlle. DE (Botany).
FERT (Physics, Electronics).
FOUCHÉ (Geophysics).
GALLAIS (Chemistry).
GARDY (Chemical Engineering).
GAUTIER (Propædeutic Physics).
GOUYON (Mechanics).
HAMANT (Botony).
HURON (Applied Mechanics and Applied Analysis).
LACROIZ (Agriculture).
LAFOURCADE (Physics).
LAGASSE (Electrotechnics).

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LALAGUE (Mathematics).
LAUDET (Physics).
LEDOUX (Etomology).
LELUBRE (Geology).
LEREDDE (Botany).
LESBRE (Chemistry).
MARGULIS (Pedology).
MASDUPUY (Propædeutic Chemistry).
MATHIS (Chemistry).
MORQUER (Botany).
NOUGARD (Hydraulics).
NOUVEL (General Biology).
ORLIAC (Mineralogy).
PERRIER (Physics).
RIVALS (Agriculture)
SERFATY (Animal Biology).
TEISSIÉ-SOLIER (Industrial Electricity and Fluid Mechanics).
TRICHE (Spectrography).
VANDEL (Zoology).
VOIGT (Chemistry).

Faculty of Letters:

BASTIDE (Philosophy and Psychology).
BLANCHÉ (Philosophy and Psychology).
CARRIÈRE (Greek).
DECAUDIN (Modern French Literature).
DEFOURNEAUX (Modern and Contemporary History).
DENONAIN (English Language and Literature).
DELORME (Greek History).
DUPONT (English Language and Literature).
FROMILHAGUE (French).
GODECHOT (Modern and Contemporary History).
KAYSER (Geography).
KRYNEN (Spanish Language and Literature).
LACOMBRADE (Greek).
LAUMONIER (Greek and Classical Antiquities).
LEBOIS (French Language and Literature).
MALRIEU (Philosophy, Psychology and Education).
MAURO (Modern History).
MÉRIMÉE (Spanish Language and Literature).
MONCHOUX (French).
MONSUEZ (Latin Language and Literature).
NOUGIER (Archæology, Ethnography, Anthropology).
NOUGUE (Spanish Language and Literature).
POMEAU (French Language and Literature).
ROCHE (Portuguese).
SÉGUY (Old French).
TAILLEFER (Geography).
VIERS (Geography).
WOLFF (Medieval History, History of Southern France).
ZAMOYSKA (Russian).

Institute of Fluid Mechanics.

Institute of Serology.

Institute of Political Studies.

Institute of Physiology.

Institute of Prehistoric Art.

Institute of Psychology.

Institute of Chemistry.

Institute of Chemical Engineering: 17 rue Sainte-Catherine, Toulouse; f. 1949; Dir. Prof. J. CATHALA, D.SC., M.I.CHEM.E. (London).

National College of Electrical Engineering and Hydraulics.

STATE COLLEGES AND INSTITUTES

GENERAL

Collège de France: 11 Place Marcelin-Berthelot, Paris V; Telephone: ODE 81.60; f. 1530 by François I.

Director: MARCEL BATAILLON.

Deputy Director: ROBERT COURRIER.

Treasurer: EUGÈNE BIED.

Secretary: PIERRE DEVELAY.

The library consists of 85,000 volumes.
Number of teaching staff: 50 professors.
Publications: *Annuaire, Leçons inaugurales des professeurs.*

PROFESSORS:

Science:

ABRAGAM (Nuclear Magnetism).
BENOIT (Histo-Physiology).
COURRIER (Experimental Morphology and Endocrinology).
FESSARD (General Neurophysiology).
HALPERN (Experimental Medicine).
HOREAU (Organic Chemistry of Hormones).
LALLEMAND (Physical Methods of Astronomy).
LAVAL (Theory of Physics).
LEPRINCE-RINGUET (Nuclear Physics).
LERAY (Differential and Functional Calculus).
LICHNEROWICZ (Mathematical Physics).
MANDELBROJT (Mathematics and Mechanics).
PERRIN (Atomic Physics).
ROCHE (General Biochemistry).
SERRE (Algebra and Geometry).
WOLFF (Experimental Embryology).

Letters:

BATAILLON (Languages and Literatures of the Iberian Peninsula and of Latin America).
BENVENISTE (Comparative Grammar).
BERQUE (Social History of Modern Islam).
BRAUDEL (History of Modern Civilisaton).
CHEVALIER (History and Social Structure of Paris and the Parisian Region).
COURCELLE (Latin Literature).
DEMIÉVILLE (Chinese Language and Literature).
DION (Historical Geography of France).
DUMÉZIL (Indo-European Civilisation).
DUPONT-SOMMER (Hebrew and Aramaic).
FILLIOZAT (Indian Languages and Literature).
GAGÉ (Roman Civilisation).
GASPARDONE (Indo-Chinese History and Philology).
GIRAUD (History of North American Civilisation).
GOUROU (Tropical Studies).
GRABAR (Byzantine and Paleochristian Archæology).
HUYGHE (Psychology of the Plastic Arts).
HYPPOLITE (History of Philosophical Thought).
LABAT (Assyriology).
LAOUST (Sociology of Islam).
LECOY (French Language and Literature in the Middle Ages).
LÉVI-STRAUSS (Social Anthropology).
MINDER (Languages and Literature of German origin).
MUS (Far-Eastern Civilisations).
PERROUX (Economic and Social Affairs).
POMMIER (History of French Literature).
POSENER (Egyptian Philology and Archæology).
PUECH (History of Religions).
ROBERT (Greek Antiquities and Epigraphy).
SAUVY (Demography).
SCHAEFFER (Archæology of Western Asia).
VUILLEMIN (Philosophy of Knowledge).

Ecole Pratique des Hautes Etudes: Sorbonne, 46 rue Saints Jacques, Paris V; f. 1868; Section of Historical and Philological Sciences, Pres. MARIO ROQUES; Section of Religious Sciences, Pres. H.-CH. PUECH; Section of Mathematical Sciences, Pres. PAUL MONTEL; Section of Physical and Chemical Sciences, Pres. G. CHAMPETIER; Section of Natural Sciences, Pres. M. FESSARD; Section of Economic and Social Sciences, Pres. FERNAND BRAUDEL.

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ADMINISTRATION

Ecole Nationale d'Administration: 56 rue des Saints-Pères, Paris VII; f. 1945 to provide training for the higher ranks of the Civil Service; Dir. BOURDEAU DE FONTENAY; Sec. Gen. M. HEDOIN.

Institut des Hautes Etudes d'Outre-Mer: 2 avenue de l'Observatoire, Paris VI; f. 1959 as successor to Ecole Nationale de la France d'Outre-Mer (formerly Ecole Coloniale); trains higher ranks of the administration of Member States of the French Community, in Africa and Madagascar, at their request; administrative, legal, social, economic, financial and diplomatic sections; Dir. FRANÇOIS LUCHAIRE.

AGRICULTURE, FORESTRY, VETERINARY SCIENCE

Ecole Nationale des Eaux et Forêts: 14 rue Girardet, Nancy (Meurthe-et-Moselle); f. 1824; library of 25,000 vols. and 600 periodicals; forestry research and training of State and civilian forestry engineers; Dir. R. YINEY; publs. *Annales de l'Ecole Nationale des Eaux et Forêts* (quarterly), *Revue forestière française* (monthly).

Ecole Nationale du Génie Rural: 19 avenue du Maine, Paris XV; for the training of State agricultural and civil engineers; Dir. M. BECKER.

Institut National Agronomique: 16 rue Claude Bernard, Paris V; f. 1876; library of 30,000 vols. and 20,000 periodicals; Dir. R. BLAIS; Dir. of Studies P. TISSOT; publ. *Annales* (annually); includes **Ecole Nationale Supérieure des Sciences Agronomiques Appliquées.**

Ecole Supérieure d'Application d'Agriculture Tropicale: 45 *bis*, avenue de la belle Gabrielle, Nogent-sur-Márne; training in tropical agriculture: Dir. F. CIOLINA.

Ecole Nationale Supérieure Agronomique de Grignon: Commune de Thiverval-Grignon (Seine-et-Oise); f. 1826; library of 25,000 vols.; Dir. M. DER KHATCHADOURIAN.

Ecole Nationale d'Agriculture de Montpellier: Place P.-Viala, Montpellier; Dir. G. BUCHET.

Ecole Nationale d'Agriculture de Rennes et Centre National de Recherches Agronomiques: 65 route de Saint-Brieuc, Rennes; f. 1830; library of 12,000 vols.; Dir. PAUL MATAGRIN; publ. *Annales* (irreg.).

Ecole Nationale Supérieure des Industries Agricoles et Alimentaires: au C.E.R.D.I.A., Le Noyer Lambert, Massy, (Seine-et-Oise); f. 1893; Dir. M. BONASTRE; research centre, rue de l'Université, Douai, (Nord); Dir. M. CLAVEAU.

Ecole Nationale d'Horticulture de Versailles: 4 rue Hardy, Versailles (Seine-et-Oise); f. 1873; Dir. E. LE GUELINEL.

Ecole Nationale Vétérinaire d'Alfort: avenue Général de Gaulle, Alfort (Seine); f. 1765; Dir. Prof. R. FERRANDO; 32 teachers; library of 72,000 vols.

Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: 10 rue Pierre Curie, Alfort; f. 1948; Dir. J. PAGOT.

Ecole Nationale Vétérinaire de Lyon: 2 quai Chauveau, Lyon (Rhône), f. 1762; library of 10,000 vols.; Dir. Prof. FLORIO; teaching personnel 20; publs. *Revue de Médécine Vétérinaire* (monthly), *Bulletin des Sciences Vétérinaire de Lyon* (fortnightly).

Ecole Nationale Vétérinaire de Toulouse: Toulouse (Haute-Garonne); f. 1828; library of 50,000 vols.; Dir. P. PONS, Sec. H. DURAND; Libr. Prof. C. LOMBARD; teaching personnel 20; publ. *Revue de Médecine Vétérinaire* (monthly).

ECONOMICS, STATISTICS

Ecole d'Application de l'Institut National de la Statistique et des Etudes Economiques: 212 rue de l'Université, Paris 7e; f. 1942; Dir. M. MORICE.

GEOGRAPHY

Ecole Nationale des Sciences Géographiques: 2 avenue Pasteur, Saint-Mandé (Seine); f. 1941; administered by Institut Géographique National; 180 students; specialised library of 39,000 books, 800,000 maps, 2,000,000 aerial photographs; Dir. M. DUHAMEL.

HISTORY

Ecole Nationale des Chartes: 19 rue de la Sorbonne, Paris V; f. 1821, reorganised 1846; library of 80,000 volumes.

Director: P. MAROT.

Secretary and Librarian: E. POULLE.

Number of students: 100.

Publication: *Bibliothèque de l'Ecole des Chartes* (annual), (Editor-Librarian MARCEL DIDIER).

PROFESSORS:

FRANÇOIS, M. (History of French Institutions).
HUBERT, J. (Archæology of the Middle Ages).
JOÜON DES LONGRAIS, F. (History of Law).
MAROT, P. (Bibliography and Archives of French History).
MONFRIN, J. (Romance Philology).
PERRAT, CH. (Palæography).
VERNET, A. (Sources of French History).

MEDICINE

Ecole d'Application du Service de Santé militaire: 277 *bis* rue Saint-Jacques, Paris V; mainly one-year graduate courses.

Ecole Nationale de la Santé Publique: 1 rue de Tilsitt, Paris VIII; Dir. Prof. SANTENOISE.

NATURAL HISTORY

Muséum National d'Histoire Naturelle: 57 rue Cuvier, Paris V; f. 1635; Dir. ROGER HEIM.

PROFESSORS:

ANTHONY, JEAN (Comparative Anatomy).
AUBREVILLE, ANDRÉ (Phanerogamy).
BALACHOWSKY, ALFRED (Entomology).
BALOUT, LIONEL (Prehistory).
CHABAUD, ALAIN (Worms).
DELAMARE-DEBOUTTEVILLE, CLAUDE (General Ecology).
FISCHER, EDOUARD (Malacology).
FONTAINE, MAURICE (General Physiology).
GUIBÉ, JEAN (Zoology of Reptiles and Fishes).
HAMEL, JEAN-LOUIS (Applied Vegetable Biology).
HEIM, ROGER (Cryptogamy).
LACOMBE, HENRI (Physical Oceanography).
LAFITTE, ROBERT (Zoology of Mammals and Birds).
LE GRAND, YVES (Physics Applied to Natural History).
LEHMAN, JEAN-PIERRE (Palæontology).
MENTZER, CHARLES (Chemistry Applied to Organic Bodies).
MILLOT, JACQUES (Ethnology of Modern and Prehistoric Man).
MONOD, THÉODORE (Oversea Fish).
NOUVEL, JACQUES (Behaviour of Wild Animals).
ORCEL, JEAN (Mineralogy).
PORTÈRES, ROLAND (Tropical Agronomy).
SADRON, CHARLES (Biophysics).
VACHON, MAX (Anthropods).

ORIENTAL LANGUAGES

Ecole Nationale des Langues Orientales Vivantes: 2 rue de Lille, Paris VII; f. 1795; faculties of languages and civilisations of West Asia and Africa; the Far East, India and Oceania; Eastern Europe; library of 300,000 vols. and 200 MSS.; over 2,000 students, 43 teachers, 49 lecturers; Dir. ANDRÉ MIRAMBEL; Sec. Mme JEANNINE FIATTE; Keeper of the Library Mme COLETTE MEUVRET.

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TECHNOLOGY

Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris III; f. 1794; library of 100,000 vols.; Mathematics, Mechanics, Chemistry, Industrial Arts, Economics, Statistics, Organisation of Labour; staff: 50 teachers; Dir. LOUIS RAGEY; Dep. Dir. P. GUÉRIN; Librarian Mme CLAUDEO MICHEL; Sec.-Gen. J. LARCEBEAU.

Ecole Nationale de l'Aviation Civile: P.O. Box 107, Aéroport d'Orly (Seine); f. 1948; Dir. M. MANUEL; Sec. M. CAHUZAC.

Ecole Nationale d'Ingenieurs Arts et Metiers: 8 boulevard Louis XIV, Lille; f. 1881; 335 students; Dir. M. MAURICE.

Ecole Nationale Supérieure de l'Aéronautique: 32 boulevard Victor, Paris XV; f. 1909; library of 35,000 vols.; 150 students; Dir. M. DE VALROGER.

Ecole Nationale Supérieure des Arts et Industries Textiles de Roubaix: place des Martyrs de la Résistance, Roubaix (Nord); f. 1883; library of 18,000 vols.; Dir. LUCIEN TEXIER.

Ecole Nationale Supérieure de Céramique Industrielle de Sevres: 6 Grande-Rue, Sèvres (Seine-et-Oise); f. 1893; Dir. MARC CEINTURET; publ. *Annuaire.*

Ecole Nationale Supérieure du Génie Maritime: 3 avenue Octave-Gréard, Paris VII; f. 1765; Dir. HENRI DUTILLEUL.

Ecole Nationale Supérieure de Mécanique: 3 rue Maréchal-Joffre, Nantes; f. 1919; 718 students; Dir. YVES PIRONNEAU; publ. *Annales de l'E.N.S.M.*

Ecole Nationale Supérieure des Mines de Paris: 60 boulevard Saint-Michel, Paris VI; f. 1783 by the chemist and mineralogist, Sage.

Director: M. FRIEDEL, General Engineer of Mines.
Sub-Director: M. FISCHESSER, Chief Mining Engineer.
General Secretary: M. BOURDON.
Librairan: Mlle. ENJOLRAS.

Number of students: 240 (approx.).

Ecole Nationale Supérieure des Télécommunications: 46 rue Barrault, Paris XIII; Dir. M. BRAMEL DE CLEJOULX; Dir. of Studies M. HILBERT.

Ecole Nationale Professionnelle d'Horlogerie de Cluses: Cluses (Haute-Savoie); clockmaking, precision micromechanics; Dir. ANDRÉ RAMEZ.

Lycée Technique d'Etat d'Horlogerie de Besançon: rue Pierre-Leroy/rue Edmond-Labbé, Besançon (Doubs); Dir. ANDRÉ BERGER.

Lycée Technique d'Etat "La Martinière": 9 rue des Augustins, Postal Box No. 52, Lyon-Terreaux (Rhône); male students only; Dir. R. GAZET.

Ecole Nationale des Ponts et Chaussées: 28 rue des Saints-Pères, Paris VII; f. 1747; Civil Engineering; library of 190,000 vols.; 160 students, 29 teachers; Dir. A. BRUNOT; Vice-Dir. M. WENNAGEL; Sec.-Gen. M. COMMEAU; Libr. M. LEHANNEUR; publ. *Annales des Ponts et Chaussées* (bi-monthly).

Ecole Polytechnique: 21 rue Descartes, Paris 5e; f. 1794.

Director: Général TISSIER.
Director of Education: RAYMOND CHERADAME.
Librarian: M. MOREAU.

Number of teachers: 130.
Number of students: 650.

PROFESSORS;

BARANGER (Chemistry).
BRARD (Applied Mathematics).
DUMONTIER (Economics).
FAVARD (Mathematical Analysis).
FONTANAROSA (Artistic Drawings).
GREGORY (Physics).
JACQUE (Chemistry).
JULIA (Geometry and Algebra).
LEGRAND (Mathematical Analysis).
LEPRINCE (Physics).
LOPEZ (Architecture).
MANDEL (Mechanics).
MORAZE (History and Literature).
ROY (Mechanics).
TARDI (Astrophysics).
VIGNAL (Physics).

Ecole Normale Supérieure de l'Enseignement Technique: 61 avenue du Président Wilson, Cachan (Seine); f. 1893; Dir. M. BASQUIN.

Ecole Spéciale des Travaux Publics, du Bâtiment et de l'Industrie: 57 boulevard St. Germain, Paris 5e; f. 1891; Pres.-Dir. Gen. MARC EYROLLES; 2,500 students; 347 professors.

Ecole Supérieure de Geometres et de Topographes: 292 rue Saint-Martin, Paris 3e.

Ecole Supérieure Textile: 43 cours General-Giraud, Lyon; f. 1884; general tuition in mechanics, machinery technology and in all aspects of the textile industry; Dir. PAUL LAMOUR.

Institut Supérieur des Matériaux et de la Construction Mécanique: 233 boulevard Raspail, Paris XIV; Dir. P. NICOLAU; f. 1948; Dir. of Research P. LE ROLLAND.

Institut Français du Pétrole des Carburants et Lubrifiants: 1 and 4 avenue de Bois-Préau, Rueil-Malmaison (Seine-et-Oise); f. 1944.

Ecole Nationale Supérieure du Pétrole et des Moteurs a Combustion Interne: 1 et 4 avenue de Bois Préau, Rueil-Malmaison (Seine-et-Oise); Dir. E. VELLINGER; the school has four centres, concerned respectively with geological and geophysical prospecting, drilling and exploitation, refining, internal combustion engines and the application of petroleum products.

Institut Polytechnique: Grenoble; Dir. L. NÉEL.

CATHOLIC COLLEGES AND INSTITUTES

GENERAL

INSTITUT CATHOLIQUE DE PARIS

21 RUE D'ASSAS, PARIS VIe
Telephone: Littré 86-37

Founded 1875.

Rector: Mgr. EMILE BLANCHET.
Vice-Rector: Mgr. PIERRE DERUMAUX.
General Secretary: ALAIN RICHER DE FORGES.
Head Librarian: Rev. ANTOINE SALLES.

The library contains 500,000 volumes.
Number of teaching staff: 350, including 93 professors.
Number of students: 6,000.

DEANS:

Faculty of Theology: Rev. JOSEPH LECLER, S.J.
Faculty of Canon Law: Mgr. PIERRE ANDRIEU-GUITRANCOURT.
Faculty of Philosophy: M. L'Abbé JEAN CHÂTILLON.

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Faculty of Law: André Richard.
Faculty of Letters: Alphonse Dain.
Faculty of Sciences: Pierre Boos.

Professors:

Faculty of Theology:

Andrieu-Guitrancourt (Canon Law).
Bouyer (Modern History).
Cazelles (Holy Scripture—Old Testament).
Daniélou (Early Christianity and Patristic Theology).
Feuillet (Holy Scripture—New Testament).
Froidevaux (Early Christianity).
Henry (General Dogmatics).
Holstein (General Dogmatics).
Jarry (Medieval History).
Lecler (General Dogmatics).
Poulain (Biblical Greek).
Tesson (Practical Moral Theology).

Faculty of Canon Law:

Andrieu-Guitrancourt.
Brulliard.
Corteel.
Dahyot-Dolivet.
Denis.
Feghali.
Graviers, des.
Guibal.
Guizard.
Lefebvre.
Le Roy.
Monléon, de.

Faculty of Philosophy:

Beckaert (Patristic Philosophy).
Besson (Experimental Psychology).
Cadiou.
Châtillon (Medieval History).
Dubarle (Critique of Science).
Eyselé (History of Modern Philosophy).
Gardeil (Cosmology).
Grenet (History of Greek Philosophy).
Jammes (Sociology).
Lallement (Ontology and Theodicy).
Maurel (Theodicy).
Monléon, de (Ethics and Sociology).
Monnet (Children's and Young People's Psychology).
Verneaux (Critique of Knowledge).

Faculty of Law:

Badin (Industrial Legislation).
Barbier (Civil Law).
Blaisse (Civil Law).
Blancher (Financial Legislation).
Brulliard (Civil Procedure and its Application, Maritime Law).
Casens (Criminal Law).
Cédié (Constitutional Law).
Dauphin-Meunier (Political Economy).
Fliniaux (History of Law).
Font-Réaulx, de (Administrative Law).
Guerin (Civil Law).
Guibal (Roman Law).
Imbert (Public Law).
Le Tarnec (Civil Law).
Malmezat (History of Modern Social Institutions).
Parmentier (Civil Law).
Rabeil (Political Economy).
Reglade (Civil Law).
Richard (Criminal Law).
Tricaud (Public International Law).
Vanel (Civil Law).

Faculty of Letters:

Bertier de Sauvigny, de (Modern and Contemporary History).
Courtonne (Greek Language).
Dain (Greek Language).
Delacroix (Latin Epigraphy).
Delteil (English Language).
Denis (German Language and Literature).
Dheilly (Greek and Roman History).
Dommergues (English Language and Literature).
François (Medieval History).
Garric (History of French Literature and Thought).
Guignier (Physical and Regional Geography).
Jaucqin (Italian Language and Literature).
Jarry (Medieval History).
Jobit (Spanish Language and Literature).
Lacour-Gayet (American Literature).
Leflon (Contemporary History).
Lemaitre (French Literature).
Lesourd (History of Missions, Modern and Contemporary History).
Loloum (English Language and Literature).
Marichal (Medieval French Language and Literature).
Muller (French Literature and Modern Philology).
Plasse, de (Geography).
Poulain (Greek).
Testard (Latin Language and Literature).
Venzac (French Language and Literature).
Verheijen (Latin Language and Literature).
Villette (Latin Language).

Faculty of Sciences:

Augem (General Physiology, Biology).
Augier (Botany).
Boos (General Mathematics).
Bordet (Mineralogy).
Costabel (General Mechanics).
Lamure (General and Mineral Chemistry).
Lapparent, de (Geology).
Mastagli (Organic Chemistry).
Ou (Differential and Integral Calculus).
Parodi (General Physics).
Quillet (Plant Physiology).
Segard (General Physics).

FACULTÉS CATHOLIQUES DE LILLE

60 BOULEVARD VAUBAN, LILLE

Telephone: 57.28.00

Founded 1875 as Faculty of Law, became university institution in 1877.

Rector: G. Leclercq.
Vice-Rector: H. Barbeau.
Secretary-General: M. Lemaire.

Library: nearly 500,000 volumes.
Number of teachers: over 300.
Number of students: 3,100.

Deans:

Faculty of Theology: M. Leconte.
Faculty of Law: M. Théry.
Faculty of Medicine and Pharmacy: M. Dereux.
Faculty of Letters: M. Dumortier.
Faculty of Science: M. Delerue.

FACULTÉS CATHOLIQUES DE L'OUEST

PLACE ANDRÉ LEROY, B.P. 201, ANGERS

Telephone: 87-24-28

Founded 1875, under the patronage of the Bishops of the western region of France.

Rector: Mgr. Olivier Riobé.
Secretary-General: Canon Bricard.

Library: Bibliothèque Lamorcière.
Number of teachers: 78, including 37 professors.
Number of students: 757 men, 1,045 women, total 1,802.
Publications: *Annuaire, Revue* (quarterly).

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DEANS:
Faculty of Theology: Mgr. LUSSEAU.
Faculty of Law: M. G. GANOT.
Faculty of Letters: Canon JAGU.
Faculty of Sciences: Canon RULLIER.

FACULTÉS CATHOLIQUES DE LYON

25 RUE DU PLAT, LYON
Telephone: 57.28.00

Founded 1875.

Rector: Mgr. PIERRE GARDETTE.

Library: 240,000 volumes.
Number of teachers: 168, including 72 professors.
Number of students: 1,077 men, 997 women, total 2,074.

DEANS:
Faculty of Theology: MAURICE JOURJON.
Faculty of Canon Law: Mgr. ANDRÉ BRIDE.
Faculty of Philosophy: RENÉ LE TROQUER.
Faculty of Law and Economics: MAURICE CHAVRIER.
Faculty of Letters: JOSEPH PINATEL.
Faculty of Science: RAYMOND RICARD.

INSTITUT CATHOLIQUE DE TOULOUSE

31 RUE DE LA FONDERIE, TOULOUSE
Telephone: CA 07 69

Founded 1877 and administered by a Council of Bishops of the region.

Rector: Mgr. DE SOLAGES.
Secretary-General: Mgr. DUCROS.

Library: over 150,000 volumes.
Number of teachers: 35, including 16 professors.
Number of students: 1,195.

DEANS:
Faculty of Theology: E. GRIFFE.
Faculty of Canon Law: A. BOCQUET.
Faculty of Philosophy: A. ETCHEVERRY.
Faculty of Letters: N. RICHARD.
College of Science: M. BERGOUNIOUX.

INDEPENDENT INSTITUTES

BIOLOGY

Ecole d'Anthropologie: 95 Bld. St. Michel, Paris V; f. 1876 by Prof. Broca; Pre-History, Anatomical Anthropology, Zoology, Ethnology, Biology, Heredity, Endocrinology, Immunology, Ethnography, Demography, Dietetics, Psychology, Criminology, Anthropotechnics; Dir. Dr. J. A. HUET.

Ecole Supérieure de Biochimie et de Biologie: 84 rue de Grenelle, Paris VII; Dir. R. CASTAN.

Institute de Biologie Sociale et d'Hygiène Mentale: 1 rue Cabanis, Paris 14e; Dir. J. J. RONDEPIERRE.

Institut Océanographique: 195 rue Saint Jacques, Paris 5e; f. 1906 by Prince Albert I of Monaco; library of 2,500 vols.; Pres. JEAN DELORME; Dir. Prof. MAURICE FONTAINE; Sec. R. RICHET; Librarian Mlle MILLON; publs. *Annales, Bulletin*; associated with the Institute is:

Musée Océanographique de Monaco: Monaco; f. 1899 by Prince Albert I of Monaco; library of 20,000 vols.; Dir. Commandant JACQUES YVES COUSTEAU.

Institut de Paléontologie Humaine: 1 rue René Panhard, Paris 13e; f. 1914 by Prince Albert I of Monaco; library of 25,000 vols.; Dir. H. VALLOIS; publ. *Archives*.

CHEMISTRY

Ecole Supérieure Libre de Chimie de Paris: 21 rue Joubert, Paris IX; Dir. of Studies RAYMOND DAUDEL.

COMMERCE

Ecole Supérieure de Commerce: 79 avenue de la République, Paris XI; f. 1820; Dir. RENÉ VILLEMER.

Ecole Supérieure de Commerce de Montpellier: 2 rue Saint-Pierre Montpellier, Hérault; f. 1897; Dir. CAMILLE VABRE; 70 professors; 168 students; three-year courses in political economics, economic geography, social sciences, advanced mathematics, general technology.

Ecole des Hautes Etudes Commerciales: 43 rue de Tocqueville and 108 boulevard Malesherbes, Paris XVII; f. 1881; Dir. M. G. LHERAULT.

Ecole Supérieure des Industries du Vêtement: 79 avenue de la République, Paris XI; Dir. RENÉ VILLEMER.

Ecole Nouvelle d'Organisation Economique et Sociale (E.N.O.E.S.): 62 rue de Miromesnil, Paris 8e; f. 1937; courses in business administration and accountancy; Gen. Administrator GEORGES LUTFALLA; Dir. of Studies GAËL FAIN; publ. *La Vie de l'E.N.O.E.S.*

CULTURE

Institut Britannique: 6 rue de la Sorbonne, Paris 5e; f. 1927; Dir. F. H. SCARFE, M.A., M.LITT., F.R.S.L.; total number of students approaches 6,000; provides courses complementary to those of the Faculty of Letters of the University of Paris, in both French and English; library of 15,000 vols. (mainly in English).

DENTAL

Ecole Dentaire de Paris: 45 rue de la Tour-d'Auvergne, Paris IX; f. 1880; library of 10,200 vols., 80,000 pamphlets; Dir. R. GABRIEL; Librarian L. VERCHERE; publ. *Revue Française d'Odonto-Stomatologie* (monthly).

Ecole Dentaire Française: 29 boulevard Saint-Martin, Paris III; Dir. CHARLES EVEN, D.D.S.

Ecole de Chirurgie Dentaire et de Stomatologie de Paris: 45-47 boulevard Voltaire, Paris XI; f. 1927; Dir. M. J.-F. ROBERT.

Ecole Odontologique de Paris: 5 rue Garancière, Paris VI; f. 1883; Dir. PIERRE PELLETIER-DUTEMPLE.

ECONOMICS, STATISTICS

Centre de Formation aux Applications Industrielles de la Statistique: 9 Quai-Bernard, Paris 5e; Dir. D. DUGUE; publ. *Revue de Statistique Appliquée.*

Institut de Science Economique Appliquée: 35 boulevard des Capucines, Paris 2e, and 15 Queensberry Place, London, S.W.7; f. 1944; Dir. FRANÇOIS PERROUX; publs. *Economie Appliquée* (quarterly), *Cahiers*, Series *Theoria* and *Pragma.*

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Law

Ecole de Législation Professionnelle: 12 rue Béranger, Paris III; f. 1905; Dir. G. Rigoir.

Ecole de Notariat de Paris: 127 rue Notre-Dame des Champs, Paris VI; f. 1896; Dir. M. Paul Mathieu.

Ecoles Polytechniques de Notariat, de Droit, de Procédure et d'Assurances: 76 rue Bonaparte, Paris VI; Dir. M. Gallet.

Political Science

Académie Internationale de Science Politique et d'Histoire Constitutionnelle en Sorbonne: 88 boulevard Péreire, Paris 17e; f. 1936; Pres. Léon Julliot de la Morandière; Gen. Secs. Henri de Montfort, Georges Langrod; publ. *Politique* (3rd series).

Ecole des Hautes Etudes Internationales: 44 rue de Rennes, Paris VI; f. 1924; Pres. J. Rolland; Dir. A. le Jules.

Ecole Supérieure de Journalisme: 44 rue de Rennes, Paris VI; f. 1899; Pres. J. Rolland; Dir. A. le Jules.

Religion

Institut de Théologie Orthodoxe: 93 rue de Crimée, Paris XIX; f. 1925; 12 professors and 33 students; library of 15,000 vols.; Rector Mgr. Cassien; Dean Arch. A. Kniazeff.

Institut Orthodoxe Français de Paris: 96 boulevard Auguste-Blanqui, Paris XIII; Faculties of Theology and Philosophy.

Faculté Libre de Théologie Protestante de Paris: 83 Bd. Arago, Paris XIV; f. 1877; Religious History, Old and New Testament, Ecclesiastical History, Systematic Theology, Philosophy, Practical Theology, Hebrew, Greek, German, English; library of 40,000 vols.; 9 professors, 70 students; Dean Marc Lods; Sec. Frank Michaeli.

Séminaire Israélite (Ecole Rabbinique) de France: 9 rue Vauquelin, Paris V; f. in Metz 1829, transferred to Paris 1859; Dir. Grand Rabbi Henri Schilli.

Social Sciences

Ecole des Hautes Etudes Sociales: 44 rue de Rennes, Paris VI; f. 1899; Pres. J. Rolland; Dir. A. Le Jules.

Collège Européen des Sciences Sociales et Economiques: 184 boulevard Saint-Germain, Paris 6e; f. 1952; annual international meetings to discuss problems of contemporary European life.

Collège Libre des Sciences Sociales et Economiques: 184 boulevard Saint-Germain, Paris VI; f. 1895; composed of three sections, social, economic, and overseas; evening and correspondence courses; diplomas conferred after two years' study, and submission of thesis on some aspect of applied economics; Pres. André François-Poncet; Dir. L. de Sainte-Lorette.

Technical

Ecole Spéciale des Travaux Aéronautiques: 151 boulevard de l'Hôpital, Paris XIII; f. 1930; Dir. M. Bonnafous.

Ecole Spéciale d'Architecture: 254 boulevard Raspail, Paris XIV; Dir. Henri Prost.

Ecole Supérieure du Bois: 6 avenue de Saint-Mandé, Paris 12e; f. 1934; Dir. M. A. Oudin.

Ecole d'Enseignement Technique de l'Institut Français du Caoutchouc: 42 rue Scheffer, Paris XVI; f. 1941; Dir. R. Hublin.

Ecole de Thermique: 3 rue Henri Heine, Paris XVI; Dir. M. Fischer.

Institut des Hautes Etudes Cinématographiques: 92 Champs-Elysées, Paris VIII; Dir. R. Tessonneau.

Ecole Supérieure d'Electricité: 10 avenue Pierre-Larousse, Malakoff (Seine); f. 1894.

Ecole d'Electricité Industrielle de Paris (Ecole Charliat): 1 *bis* passage Duhesme, Paris XVIII; f. 1901; Dir. M. Sainte Marie.

Ecole d'Electricité et de Mécanique Industrielles (Ecole Violet): 70 rue du Théâtre, Paris XV; f. 1902; Dir.-Gen. A. Richard; Dir. of Studies M. Place.

Ecole Spéciale de Mécanique et d'Electricité A.-M.-Ampère: 4 rue Blaise-Desgoffe, Paris VI; Dir. P. Doceul.

Ecole Théorique et Pratique d'Electricité (Ecole Bréguet): 81-91 rue Falguière, Paris XV; f. 1904; Dir. J. Forgeron.

Ecole Nationale de Radiotechnique et d'Electricité Appliquée (ENREA): 107 boulevard Maréchal Leclerc, Clichy (Seine); f. 1941; Dir. R. Babillot.

Ecole Supérieure d'Electricité: 10 avenue Pierre Larousse, Malakoff (Seine); f. 1894; two-year courses in electricity, radioelectricity and electronics; 300 students.

Ecole Supérieure de Fonderie: 278-284 avenue Aristide Briand, Bagneux (Seine); f. 1923; Dir. J. Lainé.

Institut Textile de France: 59 rue de la Faisanderie, Paris 16e.

Ecole Technique Supérieure du Laboratoire: 93 and 95 rue du Dessous-des-Berges, Paris XIII; f. 1934; Dir. J. Laissus.

Ecole Française de Meunerie: 16 rue Nicolas-Fortin, Paris XIII; f. 1924; Dir. A. Gaudin.

Ecole Supérieure d'Optique: 3 and 5 boulevard Pasteur, Paris 15e; Dir.-Gen. Pierre Fleury; Dir. of Laboratories A. Arnulf.

Institut d'Optique Théorique et Appliquée: 3 and 5 boulevard Pasteur, Paris XV; Dir.-Gen. P. Fleury.

Ecole Supérieure d'Optométrie: 70 boulevard de Courcelles, Paris XVII; f. 1942; Dir. of Studies M. Saint-Maxen; Adm.-Dir. G. N. Roosen.

Centre de Perfectionnement dans l'Administration des Affaires: 16 rue Chateaubriand, Paris VIII; f. 1930; Dir. Pierre Jolly; publ. *Bulletin Economique*.

Centre de Perfectionnement Technique: 28 rue Saint-Dominique, Paris VII; Pres. Georges Fleury.

Ecole Polytechnique Féminine: 3-*bis* rue Lakanal Sceaux (Seine); Dir. L. Paris, Ing. I.E.G.

Ecole Française de Radioélectricité: 10 rue Amyot, Paris V; f. 1936; courses for telecommunications and electronic engineers; Dir. J. Bouchard.

Ecole Technique Scientia: 23 rue François-Gérard, Paris XVI; f. 1909; Dir. Mlle Le Chevalier.

Ecole Supérieure de Soudure Autogène: 32 boulevard de la Chapelle, Paris XVIII; f. 1930; Dir. A. Leroy.

Ecole d'Enseignement Technique Féminin: 116 avenue Général-Leclerc, Paris XIV; Dir. Mme Laurent.

Ecole Spéciale des Travaux Publics, du Bâtiment et de l'Industrie: 57-61 boulevard Saint-Germain, Paris V; f. 1891; Dir. M. Eyrolles.

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SCHOOLS OF ARTS, CRAFTS AND MUSIC

Conservatoire National d'Art Dramatique: 2 *bis* rue du Conservatoire, Paris IX; f. 1946.

Director: Roger Ferdinand.

Secretary: P. Caudrillier.

Number of students: 50 men, 51 women.

Professors:

Baugé (Voice Production).
Bertin (Drama).
Chamarat (Drama).
Ledoux (Drama).
Manuel (Drama).
Meyer (General Production).
Rollan (Drama).
Simon (Drama).
Van Tieghem (History of Dramatic Literature).
Yonnel (Drama).

Conservatoire National Supérieur de Musique: 14 rue de Madrid, Paris VIII; f. 1795; the library forms part of the Music Section of the National Library.

Director: Raymond Gallois-Montbrun.

Assistant Director: Mme Claude Perrin.

Number of teachers: 108.
Number of students: 1,005 ordinary, 39 foreign.

Ecole Catholique des Arts et Métiers: 24 montée Saint-Barthélemy, Lyon; f. 1900; Pres. Joseph Lepercq; Dir. Louis Boeglen; 280 students; 30 professors; courses in Electrotechniques, mechanics, metallurgy, chemistry and physics.

Ecole Centrale des Arts et Manufactures: 1 rue Montgolfier, Paris III; f. 1829; Engineering School; 760 students, 85 teachers; Dir. Georges Poivilliers.

Ecole du Louvre: 34 quai du Louvre, Paris I; f. 1882; the library contains 10,000 volumes.

Principal: Pierre Pradel.

General Secretary: Mlle S. Loudet.

Librarian: Mme Roger-Lévy.

Number of students: 7,500.

Professors:

Bacou, Mlle (History of Drawing).
Bazin, G. (Museology).
Cassou (Modern Art).
Charbonneaux (Greek and Roman Archæology).
David, Mlle (Arts of the Far East).
David-Weill (Mohammedan Art).
De Bourget, R.P. (Christian Archæology).
Desroches-Noblecourt, Mme (Egyptian Archæology).
Devambez (Ancient Ceramics).
Fourest (Applied Arts).
Giard (History of Numismatics).
Parrot, A. (Oriental Archæology).
Pognon (History of Engraving).
Pradel (History of Sculpture).
Quoniam (French Archæology II).
Riviere (French Folklore).
Serullaz (History of Painting).
Stern (Art and Archæology of South-East Asia).
Varagnac (French Archæology I, European Pre-history).
Verlet (Stately Homes of France).

Ecole Nationale Supérieure des Arts Décoratifs: 31 rue d'Ulm, Paris V; f. 1766; Dir. Jacques Adnet.

Ecole Nationale Supérieure des Beaux-Arts: 17 quai Malaquais, Paris VI; f. 1648 as L'Académie Royale de Peinture et de Sculpture, and in 1671 as L'Académie Royale d'Architecture; the library contains 90,000 volumes.

Director: M. Untersteller.
Sub-Director: M. Trebosc.
Secretary: M. Cassanas.
Curator: Mme Bouleau-Rabaud.

Number of teachers: 41.
Number of students: 3,500.

Ecole Nationale d'Ingénieurs, Arts et Métiers: 151 boulevard de l'Hôpital, Paris XIII; Dir. M. Bonnafous.

Ecole Normale de Musique de Paris: 114 *bis* boulevard Malesherbes, Paris 17e; f. 1919; complete instruction given at all levels; Dir.-Gen. Pierre d'Arquennes.

Schola Cantorum, Ecole Supériéure de Musique, de Danse et d'Art Dramatique: 269 rue St. Jacques, Paris V; f. 1898 by Vincent d'Indy; Dir. Jacques Chailley.

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THE FRENCH COMMUNITY*

OVERSEAS DEPARTMENTS

FRENCH GUIANA

SOCIETIES AND RESEARCH INSTITUTES

Institut Français d'Amérique Tropicale: Cayenne; Dir. M. CHOUBERT.

Institut Pasteur: Cayenne; Dir. Dr. Lt.-Col. CHARLES SILVERIE.

Association des Etudiants en Droit de la Cayenne: law.

Association des Amis du Livre: Cayenne; literature.

La Lyre Cayennaise: Cayenne; musical society.

LIBRARY AND MUSEUM

Bibliothèque Françonie: Cayenne; general lending library.

Musée Local: Cayenne; flora and fauna of Guiana; historical documents.

GUADELOUPE

RESEARCH INSTITUTE

Institut Français de Recherches Fruitières Outre-Mer: Basse-Terre.

MUSEUM

Musée l'Herminier: Pointe-à-Pitre.

MARTINIQUE

MUSEUMS

Musée du Père Pinchon: Fort de France Seminary, Fort de France.

Schoelcher Musée: Fort de France; includes reference library.

COLLEGE

Institut d'Etudes Juridiques: Fort de France; attached to the Faculty of Law, Bordeaux University.

REUNION

LEARNED SOCIETIES

Académie de la Réunion: 107 rue Jules Auber, Saint-Denis; Pres. H. FOUCQUE.

Association Historique Internationale de l'Océan Indien: B.P. 349, Saint-Denis.

Sciences et Arts: 22 rue Labourdonnais, Saint-Denis; Pres. Mme. MAS.

LIBRARY AND MUSEUMS

Archives Départmentales: B.P. 289, Saint-Denis; Dir. ANDRE SCHERER.

Muséum d'Histoire Naturelle: Jardin de l'Etat, Saint-Denis.

Musée Léon-Dierx: rue de Paris, Saint-Denis; Cur. M. MASSINOT.

COLLEGE

Institut d'Etudes Juridiques: rue Monseigneur de Beaumont, Saint-Denis.

OVERSEAS TERRITORIES

NEW CALEDONIA

LEARNED SOCIETY

Institut Français d'Océanie: Nouméa; Dir. M. BUGNICOURT.

LIBRARIES

Bibliothèque Bernheim: B.P. 7, Nouméa; Librarian PAUL IDOUX.

South Pacific Commission Library: South Pacific Commission H.Q., Nouméa; reference library on health, and economic and social development.

COLLEGE

Collège La Pérouse: Nouméa; Dir. M. MESTRE.

FRENCH POLYNESIA

LEARNED SOCIETIES

Société d'Etudes Océaniennes: Papeete, rue Bréa; museum; Pres. H. JAQUIER.

Institut de Recherches sur la Filariose: Papeete, rue des Poilus Tahitiens; Dir. Dr. LAIGRET.

Institut de Recherches pour les Huiles et Oléagineux: Tuamotu.

COLLEGE

Collège d'Enseignement Technique: Papeete; depts. of carpentry, general engineering, mechanical engineering, electricity and masonry.

FRENCH AUSTRAL LANDS

RESEARCH STATIONS

Meteorological and Geophysical Research Station: Kerguelen Island, South Indian Ocean.

Meteorological Station: New Amsterdam, Amsterdam Island, South Indian Ocean.

* *For self-governing Member States please see under name of State.*

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GERMAN FEDERAL REPUBLIC

Population 54,399,000

ACADEMIES

Bayerische Academie der Wissenschaften (*Bavarian Academy of Sciences*): Munich, Marstallplatz; f. 1759.

President: Prof. Dr. Friedrich Baethgen.

Secretaries for Philosophy and History: Prof. Dr. Franz Dolger, Prof. Dr. Karl Engisch.

Secretaries for Mathematics and Natural Sciences: Prof. Dr. Robert Sauer, Prof. Dr. Georg-Maria Schwab.

Number of members: 103, corresponding 159.

Members:

Philosophy and History:

Althaus, Paul D.
Babinger, Franz.
Baethgen, Friedrich.
Beck, Hans-Georg.
Berve, Helmut.
Bischoff, Bernhard.
Bosl, Karl.
Clemen, Wolfgang.
Dempf, Alois.
Diels, Paul.
Dolger, Franz.
Engisch, Karl.
Entslin, Wilhelm.
Ernstberger, Anton.
Georgiades, Thrasybulos.
Grundmann, Herbert.
Hoffman, Helmut.
Hueck, Alfred.
Klingner, Friedrich.
Koschmieder, Erwin.
Krause, Hermann.
Kuhn, Hugo.
Kunkel, Wolfgang.
Lehmann, Paul.
Lersch, Philipp.
Loewenich, Walther von.
Lutge, Friedrich.
Mobius, Hans.
Morsdorf, Klaus.
Muller, Theodor.
Petschow, Herbert.
Pfeiffer, Rudolf.
Preisser, Erich.
Rheinfelder, Hans.
Rosenberg, Leo.
Schmaus, Michael.
Schnabel, Franz.
Schucking, Levin.
Sedlmayr, Hans.
Spindler, Max.
Ulmer, Eugen.
Weber, Adolf.
Wenzl, Aloys.
Werner, Joachim.
Wissmann, Wilhelm.
Ziegler, Joseph.

Mathematics and Natural Sciences:

Aumann, Georg.
Autrum, Hansjochem.
Biermann, Ludwig.
Bopp, Fritz.
Brauner, Leo.
Budel, Julius.
Butenandt, Adolf.
Dehm, Richard.
Ernst, Theodor.
Faber, Georg.
Finsterwalder, Richard.
Foppl, Ludwig.
Forst, August.
Freyburg, Bruno.
Frisch, Karl Ritter von.
Geiger, Rudolf.
Gerlach, Walther.
Goldschmidt, Stefan.
Grassmann, Wolfgang.
Haupt, Otto.
Heisenberg, Werner.
Hieber, Walter.
Huisgen, Rolf.
Kaufmann, Walther.
Kneitsl, Max.
Konig, Robert.
Kulenkampff, Helmuth.
Lense, Josef.
Lobell, Frank Richard.
Louis, Herbert.
Lynen, Feodor.
Maier-Leibnitz, Heinz.
Maucher, Albert.
Menzer, Georg.
Meitsner, Walther.
Nobeling, Georg.
Perron, Oskar.
Piloty, Hans.
Plummerer, Rudolf.
Romeis, Benno.
Sauer, Robert.
Scheibe, Gunter.
Schmidt, Ernst.
Schoenberg, Erich.
Schumann, Winfried Otto.
Schwab, Georg-Maria.
Schwemmle, Julius.
Stein, Karl.
Steinmetz, Hermann.
Tietze, Heinrich.
Wagner, Richard.
Weygand, Friedrich.
Wiberg, Egon.
Wilkens, Alexander.
Wurm, Adolf.

Akademie der Wissenschaften in Göttingen (*Göttingen Academy of Sciences*): Göttingen, Prinzenstrasse 1; f. 1751.

President: Oskar Glemser.

Secretary: Prof. Dr. K. J. Hartmann.

Number of members: 198.

Publications: *Nachrichten, Abhandlungen, Göttingische Gelehrte Anzeigen.*

Members:

Philology and History:

Andresen, Carl.
Dietrich, Albert.
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Mathematics and Physics:

Barteks, Julius.
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Born, Max.
Brockmann, Hans.
Correns, Carl Wilhelm.
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Deuticke, Hans Joachim.
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Glemser, Oskar.
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Harder, Richard.
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Reidemeister, Kurt.
Rippel, August.
Siegel, Carl Ludwig.
Stille, Hans.
Tollmien, Walter.
Wagner, Carl.
Weizsäcker, Carl Friedrich von.
Woerman, Emil.

Heidelberger Akademie der Wissenschaften (*Heidelberg Academy of Sciences*): Heidelberg, Karlstrasse 4, Baden; f. 1909.

President: Prof. Dr. Siegfried Reicke.

Secretary of the Mathematics and Natural Sciences Section: Prof. Dr. Klaus Schäfer.

Secretary of the Philosophy and History Section: Prof. Dr. Franz Dirlmeier.

Number of members: 82.

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PÖSCHL, VIKTOR.
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SCHMIDT, EBERHARD.
SCHWEITZER, BERNHARD.
TSCHIZEWSKIJ, DIMITRIJ.
VON CAMPENHAUSEN, HANS
VON RAD, GERHARD.
WAHLE, ERNST.

Akademie der Wissenschaften und der Literatur (*Academy of Sciences and Literature*): Mainz, Geschwister Scholl-str. 2; f. 1949.

President: Prof. Dr. PASCUAL JORDAN.
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Vice-President Literature Section: Dr. FRANK THIESS.
Secretary-General: Prof. Dr. HELMUTH SCHEEL.

Publications: *Jahrbuch, Abhandlungen.*

MEMBERS:

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TROLL, WILHELM.
VON VERSCHUER, OTMAR FRHR.
VIEWEG, RICHARD.
WEZLER, KARL.
WOERMANN, EMIL.
ZIMMER, KARL GÜNTER.

Philosophy and Social Science:

ALSDORF, LUDWIG.
ARTELT, WALTER.
BENZ, ERNST.
BITTEL, KURT.
BRÄUER, HERBERT.
BRUNNER, OTTO.
DAHLMANN, HELLFRIED.
DIEPGEN, PAUL.
DILLER, HANS.
VON EINEM, HERBERT.
EMGE, CARL AUGUST.
GAMILLSCHEG, ERNST.
GERKE, FRIEDRICH.
GURLITT, WILIBALD.
HEIMSOETH, HEINZ.
ISELE, HELLMUT GEORG.
JEDIN, HUBERT.
KRAHE, HANS.
KÜHN, HERBERT.
MATZ, FRIEDRICH.
OTTEN, HEINRICH.
ROTHACKER, ERICH.
SCHALK, FRITZ.
SCHEEL, HELMUTH.
SCHIEDER, THEODOR.
SCHMITZ, ARNOLD.
SCHMÖLDERS, GÜNTER.
VOGT, JOSEPH.
WAGNER, KURT.
VON WIESE UND KAISERSWALDAU, LEOPOLD.

Literature:

BELZNER, EMIL.
BERGENGRUEN, WERNER.
BISCHOFF, FRIEDRICH.
EDSCHMID, KASMIRI.
EMRICH, WILHELM.
HAUSMANN, MANFRED.
KASACK, HERMANN.
VON KASCHNITZ-WEINBERG, MARIE-LUISE FREIFRAU.
KÄSTNER, ERICH.
KESSEL, MARTIN.
KOLB, ANNETTE.
KREUDER, ERNST.
LANGE, HORST.
LEHMANN, WILHELM.
MEHNERT, KLAUS.
NOSSACK, HANS ERICH.
SCHNACK, FRIEDRICH.
THIESS, FRANK.
USINGER, FRITZ.

Arbeitsgemeinschaft für Forschung des Landes Nordrhein-Westfalen (*North Rhine-Westphalia Research Association*): Düsseldorf, Palmenstr. 16; f. 1950.

President: Dr. FRANZ MEYERS.
Secretary: Dr. LEO BRANDT.

Number of members: 80, corresponding 7.

Akademie der Kunste (*Academy of Arts*): Berlin N.W. 21, Hanseatenweg 10; f. 1696.

President: Prof. Dr. HANS SCHAROUN.
Secretary-General: Dr. HERBERT VON BUTTLAR.

Number of members: 139.

Deutsche Akademie für Sprache und Dichtung (*German Academy of Language and Poetry*): Darmstadt, Ernst-Ludwig-Haus.

President: Prof. Dr. HANNS W. EPPELSHEIMER.
Secretary-General: Dr. ERNST JOHANN.

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LEARNED SOCIETIES

Agriculture

Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten e.V.: Darmstadt, Rheinstrasse 91; 89 member asscns. and 120 other mems.; Pres. Prof. Dr. Ludwig Schmitt; publ. *Landwirtschaftliche Forschung*.

Deutsche Gesellschaft der Landbauwissenschaften: Göttingen, Nikolausberger Weg 11.

Deutsche Landwirtschafts-Gesellschaft (*German Agricultural Society*): Frankfurt a.M., Zimmerweg 16; DLG-Haus; originally f. 1885, re-founded 1947; 17,000 mems.; Pres. Dr. Karl Lorberg; Dir. Dr. Rudolf Lais; publ. *Mitteilungen der DLG*.

Deutscher Forstwirtschaftsrat: Rheinbach bei Bonn, Schützenhaus; Pres. Universitäts Prof. Dr. Julius Speer; Dir. Forstmeister Hubertus Freiherr von Eickstedt.

Forschungsrat für Ernährung, Landwirtschaft und Forsten e.V. (*Food, Agriculture and Forestry Research Council*): Bad Godesberg, Heerstr. 110; f. 1946; Pres. Prof. Dr. Dr. Dr. h.c. K. Mantel.

Max-Eyth-Gesellschaft zur Förderung der Landtechnik: Schwäbisch Gmünd, Goethestrasse 27; Dir. Fritz Lachenmaier.

Art

Bayerische Akademie der Schönen Künste: München 22, Königinstrasse 1; Pres. Prof. Dr. h.c. Emil Preetorius; Gen. Sec. Dr. Clemens Graf Podewils.

Deutscher Verein für Kunstwissenschaft (*Society for the Study of German Art*): Berlin-Charlottenburg, 2 Jebensstr. 2 (Kunstbibliothek); f. 1908; 2,000 mems.; Chair. Prof. Dr. Stephan Waetoldt; publs. *Denkmäler deutscher Kunst, Zeitschrift des Deutschen Vereins für Kunstwissenschaft, Schrifttum zur deutschen Kunst*.

Gutenberg-Gesellschaft (*Gutenberg Society*): Mainz, Liebfrauenplatz 5; f. 1901; for the publication of research work on the art of book printing from Gutenberg until the present day; 1,700 mems.; Pres. The Lord Mayor of the City of Mainz; Chair. Prof. Dr. Ruppel; publs. *Gutenberg-Jahrbuch, Kleine Drucke, Veröffentlichungen*, etc.

Kestner-Gesellschaft: Hanover, Warmbüchenstrasse 8; f. 1916; Pres. Dr. Bernhard Sprengel; Dir. Dr. Werner Schmalenbach.

Verband Deutscher Kunsthistoriker e.V.: Bonn, Kunsthistorisches Institut der Universität, Liebfrauenweg 1; f. 1948; Pres. Prof. Dr. Herbert von Einem.

Biology

Bayerische Botanische Gesellschaft (*Bavarian Botanical Society*): Munich 19, Menzingerstrasse 67; f. 1890; 700 mems.; library of 12,000 vols.; Chair. Dr. Josef Poelt; publ. *Berichte der Bayerischen Botanischen Gesellschaft*.

Deutsche Botanische Gesellschaft: Berlin-Zehlendorf, Berlinerstrasse 79B; f. 1882; 897 mems.; Editor Prof. Dr. Tiegs; publ *Berichte* (12 times yearly).

Deutsche Entomologische Gesellschaft e.V. (*German Entomological Society*): 1 Berlin 33, Corrensplatz 1; f. 1856; 430 mems.; library of 25,000 vols.; Pres. Prof. Dr. H. G. Herbst; publs. *Deutsche Entomologische Zeitschrift* (quarterly), *Mitteilungen der Deutschen Entomologischen Gesellschaft* (bimonthly).

Deutsche Gesellschaft für angewandte Entomologie: Berlin-Dahlem, Unter den Eichen 87; f. 1913; Pres. Prof. Dr. G. Becker; publ. *Verhandlungen*.

Deutsche Gesellschaft für Hygiene und Mikrobiologie: Essen, Hufelandstrasse 55; Chair. Prof. Dr. Horst Habs.

Deutsche Gesellschaft für Züchtungskunde e.V.: Bonn, Koblenzer Strasse 176; Manager Dr. Trog.

Deutsche Zoologische Gesellschaft (*German Zoological Society*): Mariensee/Leine, Neustadt Rbge.; f. 1890; 493 mems.; Chair. Prof. Dr. C. Kosswig; Sec. Prof. Dr. G. Gottschewski; publ. *Verhandlungen*.

Senckenbergische Naturforschende Gesellschaft: Frankfurt/Main, Senckenberganlage 25; Man.-Dir. Dr. W. Kramer.

Vereinigung für angewandte Botanik (*Applied Botany*): Berlin-Dahlem, Königin-Luise-Strasse 19; f. 1902; c. 400 mems.; Pres. Prof. Dr. Huber; Sec. Prof. Dr. K. Hassebrauk; publ. *Angewandte Botanik* (irregular).

Chemistry

Deutsche Bunsen-Gesellschaft für physikalische Chemie e.V.: Frankfurt a.M., Varrentrappstr. 40-42; f. 1894; 1,572 mems.; Dirs. Prof. Dr. Dr. h.c. P. Baumann, Prof. Dr. W. Jost; Sec. Dr. F. Osterlon.

Deutsche Pharmakologische Gesellschaft: Marburg/Lahn, Pharmakologisches Institut d. Universität, Pilgrimstein 2; Chair. Prof. Dr. H. Herken; Sec. Prof. Dr. W. Schmid.

Deutsche Pharmazeutische Gesellschaft e.V.: Hamburg 13, Alte Rabenstrasse 11A; f. 1890; 2,400 mems.; Pres. Prof. Dr. Hans Kaiser; Sec.-Gen. Dr. Eugen Unna; publs. *Archiv der Pharmazie* (monthly), *Mitteilungen der Deutschen Pharmazeutischen Gesellschaft* (monthly).

Deutscher Zentralausschuss für Chemie: Frankfurt a.M., Carl Bosch-Haus, Varrentrappstrasse, 40-42; Sec. Dr.-Ing. Rudolf Wolf.

Gesellschaft Deutscher Chemiker: Frankfurt a.M., Carl Bosch-Haus, Varrentrappstrasse 40-42; f. 1946; 14,000 mems.; Sec. Dr. Rudolf Wolf; publs. *Angewandte Chemie* (International edition in English) (monthly), *Angewandte Chemie* (fortnightly), *Chemie-Ingenieur-Technik* (monthly), *Chemische Berichte* (monthly), *Chemisches Zentralblatt* (weekly), *Nachrichten aus Chemie und Technik* (fortnightly).

Economics, Politics, Statistics, Social Sciences

Deutsche Gesellschaft für Betriebswirtschaft e.V.: Berlin W.30, Rankestrasse 23; Pres. Dipl.-Kfm. Karl Dietrich; Sec. W. Böhme.

Deutsche Gesellschaft für Soziologie: Berlin-Dahlem, Garystrasse 21; Pres. Prof. Dr. Otto Stammer.

Deutsche Sozialpolitische Gesellschaft: Stuttgart, Postfach 476; Pres. D.Dr. E. Gerstenmaier.

Deutsche Statistische Gesellschaft: Wiesbaden, Gustav-Stresemann-Ring 11; f. 1911; 479 mems.; Pres. Dr. h.c. Gerhard Fürst; Sec. R. R. Herbert Ger-

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HARDT; publs. *Allgemeines Statistische Archiv i.A.* (quarterly), *Einzelschriften der Deutschen Statist. Gesellschaft* (irregular).

Deutsche Vereinigung für Politische Wissenchaft: Hamburg 13, Von-Melle-Park 9; Pres. Prof. SIEGFRIED LANDSHUT.

Deutsche Volkswirtschaftliche Gesellschaft e.V.: Hamburg 20, Heilwigstrasse 118; f. 1946; Pres. H. VON KATZLER.

Deutsche Weltwirtschaftliche Gesellschaft e.V. (*World Economics*): Berlin, W.15, Kurfürstendamm 188; Hon. Pres. Dr. FRIEDRICH SPENNRATH; Pres. Prof. Dr. Fr. OTTO LEIBROCK; Manager K. M. ROSCHER.

GfK-Geselischaft für Konsumforschung e.V. (*Consumer Research*): Nuremberg, Burgschmietstrasse 2; f. 1934; 600 mems.; Dirs. Prof. Dr. G. BERGLER, Dr. P. W. MEYER, Dipl. Kfm. W. OTT; publs. *Jahrbuch für Absatz- und Verbrauchsforschung* (quarterly), *Sonderdienst* (bi-monthly), *Marktwirtschaft und Verbrauch* (annual), *GfK-Kaufkraftkarte und-Kennziffer* (annual), *Marketing Information* (monthly).

Gesellschaft für Wirtschafts- und Sozialwissenschaften (Verein für Sozialpolitik) (*Economic and Social Sciences*): Frankfurt/Main, Mertonstrasse 17; f. 1872, re-founded 1948; 550 mems.; Pres. Prof. Dr. Dr. h.c. FRITZ NEUMARK; Vice-Pres. Prof. Dr. KARL BANSE; Sec. Pres. Prof. Dr. RUDOLF RICHTER.

Gesellschaft für Wirtschaftswissenschaftliche und Soziologische Forschung: Bad Nauheim, Kursstrasse 9; Pres. Prof. Dr. P. DIEHL.

Institut für Auslandbeziehungen: Stuttgart, Charlottenplatz 17; f. 1917; library of 165,000 vols.; Pres. Prof. Dr. WALTER ERBE; Gen. Sec. Dr. MICHAEL REHS; publs. *Literarisch-Künstlerische Reihe, Wissenschaftlich-Publizistische Reihe.*

Soziographisches Institut an der Johann Wolfgang Goethe Universität (Frankfurt University): Frankfurt a.M., Schaumainkai 35; Pres. Dr. KURT BLAUM; Dir. Prof. Dr. LUDWIG NEUNDÖRFER.

Wirtschaftspolitische Gesellschaft von 1947: Frankfurt a.M., Falkensteinerstr. 27; Pres. Dr. RUDOLF MUELLER; members of the Executive Committee: ULRICH V. PUFENDORF, Dr. Dr. GERNOT GATHER; publs. *Offene Welt* (quarterly), *Wirtschaftspolitischer Beratungsbrief* (weekly).

EDUCATION

Arbeitsgemeinschaft der Westdeutschen Akademien (*Association of West German Academies*): Munich 22, Marstallplatz 8.

Carl Duisberg-Gesellschaft für Nachwuchsförderung e.V. (*The Carl Duisberg Society for the Business Education of Young People*): 5 Cologne, Kaiser-Friedrich-Ufer 41-45; f. 1945; a non-profit making organisation educating young people for business and industry; mems.; 300 firms; Chair. Board Trustees Dr. F. JACOBI; Exec. Secs. Dr. K. KRUG, Dipl. Ing. J. W. FUNKE; publ. *Duisberghefte* (irregular).

Deutscher Volkshochschul-Verband e.V. (*German Adult Education Association*): Bonn, Kronprinzenstrasse 15; 13 regional associations of 1,101 Volkshochschulen; f. 1960; Pres. Prof. HELLMUT BECKER; Sec. HELMUTH DOLFF.

Deutscher Akademischer Austauschdienst (*German Academic Exchange Service*): Bad Godesberg, Frankengraben 50; branch offices: 43 Parliament Street, London, S.W.1, England; 15 Rue de Verneuil, Paris VII, France; 6A Sharia Ismail Mohamed, Cairo-Zamalek, U.A.R.; 6 Shanti Path, Chana Kyapuri, New Delhi 3, India; f. 1924; exchange of professors, lecturers in German for foreign universities, IAESTE—student-trainees, scholarships, etc.; Pres. Prof. EMIL LEHNARTZ; Sec. Dr. HUBERTUS SCHEIBE.

Katholischer Akademischer Ausländer-Dienst: Bonn, Reuterstrasse 39; f. 1956; Pres. Frau Dr. M. A. LÜCKER, Dir. HANS REINER LIMBACH; co-ordinates activities of catholic organisations concerned with foreign students in Germany and grants scholarships.

Pestalozzi-Fröbel-Haus: Berlin, W.30, Karl Schrader Strasse 7/8; f. 1874; Depts. of: Domestic Science, Social Pedagogy, Social Welfare, Child Guidance Clinic; 640 students; library of 17,433 vols.

Westdeutsche Rektorenkonferenz (*West German Rectors' Conference*): Bad Godesberg, Ahrstrasse 39; mems.: 31 universities, technical high schools, etc.; Pres. Prof. Dr. SPEER.

FOUNDATIONS

Alexander von Humboldt-Stiftung (*Humboldt Foundation*): Bad Godesberg, Schillerstr. 12; f. 1925, re-established 1953; provides 300 research fellowships annually for young scholars and scientists for advanced research at universities and other institutes in the Federal Republic of Germany; Pres. Prof. Dr. WERNER HEISENBERG; Exec. Sec. Dr. HEINRICH PFEIFFER.

Friedrich-Ebert-Stiftung e.V. (*The Friedrich Ebert Foundation*): Bonn, Koblenzerstr. 54; f. 1925; there are five departments: Adult Education, Assistance to Gifted Students, International Relations, Educational Aid to Developing Countries, Research; library of 40,000 vols.; Pres. Prof. Dr. GERHARD WEISSER; Gen. Sec. Dr. G. GRUNWALD; publs. *Archiv für Sozialgeschichte, Jahrbuch der Friedrich-Ebert-Stiftung.*

Fritz-Thyssen Stiftung: Cologne; f. 1960 to promote scientific research; funds (1961) 12 m. D.M.

Stifterverband für die Deutsche Wissenschaft e.V.: Essen-Bredeney, Brucker Holt 42; Dir. Dr. h.c. F. E. NORD.

Studienstiftung des deutschen Volkes (*Scholarship Foundation of the German People*): Bad Godesberg, Koblenzerstr. 77.

GEOGRAPHY, GEOLOGY, ETHNOLOGY, METEOROLOGY, MINERALOGY

Deutsche Geologische Gesellschaft: Hannover, Wiesenstr. 1; f. 1848; Pres. Prof. Dr. Dr. h.c. A. BENTZ; publ. *Zeitschrift der Deutschen Geologischen Gesellschaft.*

Deutsche Geophysikalische Gesellschaft: Hamburg 13, Rotenbaumchaussee 80; f. 1922; 300 mems.; Chair. Prof. Dr. W. DIEMINGER; publ. *Zeitschrift für Geophysik.*

Deutsche Gesellschaft für Kartographie e.V.: Bielefeld; f. 1950; Pres. Dr. T. SIEWKE; Sec. Dr. W. BORMANN; publ. *Kartographische Nachrichten.*

Deutsche Gesellschaft für Photogrammetrie: Karlsruhe, Englerstrasse 7, Institut für Photogrammetrie; f. 1909; *c.* 500 mems.; Pres. Prof. Dr. K. SCHWIDEFSKY.

Deutsche Gesellschaft für Völkerkunde (*Ethnology*): Stuttgart, Linden-Museum, Museum für Länder-und Völkerkunde; f. 1929; 199 mems.; Pres. Dr. H. RHOTERT; Sec. Dr. J. ZWERNEMANN; publ. *Zeitschrift für Ethnologie.*

Deutsche Meteorologische Gesellschaft: Offenbach a.M., Frankfurter str. 135 (br. at Frankfurt a.M.); f. 1948; Chair. Prof. Dr. H. FLOHN; publ. *Meteorologische Rundschau* (bi-monthly).

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Deutsche Mineralogische Gesellschaft (*German Mineralogical Society*): f. 1908; Pres. Prof. Dr. F. HEIDE (Mineralogisches Institut der Universität Jena); Sec. Prof. Dr. F. ROST (Mineralogisches Institut der Universität des Saarlandes, Saarbrucken); *c.* 600 mems.; publs. *Fortschritte der Mineralogie, Kristallographie, Petrographie.*

Deutsche Morgenländische Gesellschaft: 355 Marburg/Lahn, Postfach 642; Sec. Dr. WOLFGANG VOIGT.

Deutsche Quartärvereinigung: Hannover, Wiesenstrasse 1; f. 1948; 450 mems.; publ. *Eiszeitalter und Gegenwart.*

Geologische Vereinigung (*Geological Association*): Bonn, Nussallee 8; f. 1910; 1,300 mems.; Chair. Prof. Dr. R. BRINKMANN; publ. *Geologische Rundschau* (quarterly).

Gesellschaft für Erdkunde zu Berlin (*Berlin Geographical Society*): Berlin-Steglitz, Grunewaldstr. 35; 1,350 mems.; f. 1828; Pres. H. J. KRUG; publ. *Die Erde* (*Zeitschrift der Gesellschaft für Erdkunde zu Berlin*).

Gesellschaft für Erd- und Völkerkunde (*Geography and Ethnology*): Bonn, Franziskanerstrasse 2; f. 1910; 600 mems.; Pres. Prof. Dr. CARL TROLL; Sec. Dr. W. HETZEL.

Institut zur Erforschung der UdSSR e.V. (*Study of U.S.S.R.*): Munich 22, Mannhardtstr. 6; Dir. Dr. HEINRICH E. SCHULZ.

Meteorologische Gesellschaft in Hamburg: Hamburg 4, Bernhard-Nocht-Str. 76; f. 1948; Sec. Dr. G. POGADE.

Paläontologische Gesellschaft: Hannover, Wiesenstrasse 1; f. 1912; Pres. Prof. Dr. E. VOIGT-HAMBURG; publ. *Paläontologische Zeitschrift.*

Rheinische Vereinigung für Volkskunde: Bonn, Poppelsdorfer Allee 25; f. 1947; Pres. Prof. Dr. KARL MEISEN; publs. *Mitteilungsblatt* (1948-49), *Rheinisches Jahrbuch für Volkskunde* (1950-), *Rheinisch-Westfälische Zeitschrift für Volkskunde* (quarterly; 1954-).

Verband der Vereine für Volkskunde (*Folklore*): Stuttgart-W, Dillmannstrasse 3; f. 1904; 143 mems.; Pres. Prof. Dr. HELMUT DÖLKER; Sec. Dr. HEINZ SCHMIDT; publ. *Zeitschrift für Volkskunde* (twice yearly).

Zentralausschuss für Deutsche Landeskunde (*Central Council for Regional Geography of Germany*): Bad Godesberg, Michaelshof; Pres. Prof. Dr. CARL SCHOTT; Sec. Prof. Dr. EMIL MEYNEN.

Zentralverband der deutschen Geographen: 23 Kiel, Olshausenstrasse 40-60; Neue Universität Geographisches Institut; Pres. Prof. Dr. H. SCHLENGER.

GERMAN PHILOLOGY, BIBLIOGRAPHY, DOCUMENTATION

Arbeitsgemeinschaft technischer und wirtschaftlicher Bibliotheken: Jülich; Dir. Dipl. Berging M. KOCH.

Deutsche Gesellschaft für Dokumentation e. V.: Frankfurt a.M., West 1, Schubertstr. 1 pt.; f. 1948; Pres. Prof. Dr. H. ARUTZ; Gen. Sec. H. K. SOEKEN; publ. *Nachrichten für Dokumentation.*

Deutsche Shakespeare-Gesellschaft: Bochum, Rathaus; f. 1864; 1,150 mems.; Pres. Dr. RUDOLF ALEXANDER SCHRÖDER; Chair. Dr. L. DIEKAMP; publ. *Shakespeare Jahrbuch.*

Deutscher Büchereiverband e.V.: Berlin S.W.61, Gitschinerstr. 97-103; Sec. HORST ERNESTUS.

Gesellschaft für Deutsche Literatur (*Society for German Literature*): Berlin, W.30, Gleditsch Strasse 42; f. 1888; Dir. Prof. Dr. MAX HERRMANN; Sec. Prof. Dr. FRANZ VIOLET.

Hölderlin-Gesellschaft: Tübingen, Hölderlinhaus; f. 1943, reconstituted 1946; 1,200 mems.

Institut für den Wissenschaftlichen Film (*Scientific Film Institute*): Göttingen, Nonnenstieg 72; f. 1956; library of 2,000 films; Dir. Dr.Ing-. G. WOLF; publs. *Forschungsfilm, Mitteilungen, Gesamtverzeichnis der wissenschaftlichen Filme, Encyclopaedia Cinematographica.*

Verein Deutscher Bibliothekare e.V.: Göttingen, Prinzenstr. 1; f. 1900, re-f. 1948; Chair. Dr. W. M. LUTHER; Sec. Dr. H. LOHSE; publs. *Zeitschrift für Bibliothekswesen und Bibliographie, Jahrbuch der Deutschen Bibliotheken.*

Württembergische Bibliotheksgesellschaft (*Society of Friends of the Württemberg State Library*): Stuttgart, Urbanstrasse 19; f. 1946 to support the reconstruction of the Württemberg State Library, to hold lectures, meetings, exhibitions, etc.; 1,000 mems.; Pres. Prof. Dr. JOSEF EBERLE; Chair. WILHELM HOFFMANN, PH.D.; Sec. WALTER MAIER.

HISTORY, ARCHAEOLOGY, ANTHROPOLOGY

Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte (*Berlin Society for Anthropology, Ethnology and Pre-history*): Berlin-Dahlem, Arnimallee 23; f. 1869; Pres. Dr. ADRIAAN VON MÜLLER; Sec. GUSTAV MAHR.

Deutsche Gesellschaft für Anthropologie: Anthropologisches Institut, Albertstrasse 11, Freiburg i. Br.; Pres. Prof. Dr. Dr. H. BAITSCH.

Deutsche Orient-Gesellschaft (*German Oriental Society*); Berlin-Nikolassee, Prinz-Friedrich-Leopold-Strasse 44, f. 1898; 350 mems.; Pres. Prof. Dr. ERNST KUEHNEL; Sec. Prof. Dr. HEINRICH OTTEN; publs. *Mitteilungen: Wissenschaftliche Veröffentlichungen, Abhandlungen.*

Gesamtverein der Deutschen Geschichts- und Altertumsvereine (*Union of German Historical and Archæological Societies*): Wiesbaden, Mainzerstrasse 80; f. 1852; 150 affiliated asscns.; Pres. Prof. Dr. G. W. SANTE; Treas. Dr. E. KITTEL; publ. *Blätter für deutsche Landesgeschichte.*

Görres-Gesellschaft: Köln 1, Postschliessfach 805; f. 1876; over 1,800 mems.; Pres. Prof. Dr. HANS PETERS; Sec. Prof. Dr. HERMANN CONRAD.

Mommsen-Gesellschaft (*Mommsen Society*): Munich, Universität, Ludwigstr. (Seminar für Klassische Philologie); Association of Classical Scholars; Pres. Prof. Dr. KURT VON FRITZ; Sec. P. Doz Dr. WALTHER LUDWIG.

Monumenta Germaniae Historica: Munich, 2, Meiserstrasse 10; f. 1819; *c.* 60,000 vols. in library; Pres. Prof. Dr. HERBERT GRUNDMANN; Sec. Dr. GOTTFRIED OPITZ; Librarian Dr. HILDA LIETZMANN; publ. *Deutsches Archiv für Erforschung des Mittelalters.*

Verband der Historiker Deutschlands (*Union of German Historians*); 74 Wilhelmstrasse 36, Tübingen; f. 1893, refounded 1949; 420 mems.; Pres. Prof. Dr. Dr. HANS ROTHFELS; Gen. Sec. Prof. Dr. WERNER MARKERT.

INTERNATIONAL CULTURAL INSTITUTES

British Council: Head Office: Hahnenstrasse 6, Cologne; Rep. R. SEYMOUR, C.B.E.; brs. at Berlin, Frankfurt-a.M., Hamburg, and Munich.

Goethe-Institut: Munich 2, Lenbachplatz 3; f. 1932; 18 colleges for foreigners; 98 branches abroad; Pres. PETER H. PFEIFFER.

Institut Français: Wörtstrasse 1, Bonn; Dir. (vacant); brs. at Berlin, Cologne, Frankfurt-a.M., Freiburg, Hamburg, Mainz, Munich, Stuttgart.

Instituto de España en Munich: Residenzstrasse No. 1, Munich.

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Istituto Italiano di Cultura:
Universitätstrasse 81, Cologne; Dir. Prof. BENITO ROMUSSI.
Hansastrasse 6, Hamburg; Dir. Prof. LIVIO OLIVIERI.
Hermann Schmidstrasse 8, Munich; Dir. Prof. FRANCESCO POLITI.

U.S. Information Centers: Head Office: American Embassy, Bonn; brs. at Bremen, Cologne, Essen, Frankfurt, Freiburg, Hamburg, Hanover, Heidelberg, Kaiserlautern, Kassel, Kiel, Koblenz, Munich, Nuremburg, Stuttgart.

LAW

Deutsche Gesellschaft für Völkerrecht (*International Law*): Frankfurt am Main, Mertonstr. 17; f. 1917, refounded 1949; Pres. Prof. Dr. HANS-JÜRGEN SCHLOCHAUER.

Deutscher Juristentag e.V.: 53 Bonn, Kaiserstr. 38; Pres. Dr. ERNST FRIESENHAHN.

Gesellschaft für Rechtsvergleichung (*Comparative Law*): Freiburg im Breisgau, Universität; f. 1950; 520 mems.; Chair. Prof. Dr. ERNST VON CAEMMERER; Sec.-Gen. Prof. Dr. KARL H. NEUMAYER; publ. *Mitteilungen der Ges. f. Rechtsvergleichung.*

MATHEMATICS, ASTRONOMY

Astronomische Gesellschaft: Hamburg-Bergedorf, Hamburger Sternwarte; f. 1863; Pres. Prof. Dr. HANS HAFFNER.

Berliner Mathematische Gesellschaft e.V. (*Berlin Mathematical Society*): 1 Berlin 12, Hardenbergstrasse 34; f. 1899; Chair. Prof. Dr. A. DINGHAS; publ. *Sitzungsberichte.*

Deutsche Mathematiker-Vereinigung e.V. (*German Mathematical Association*): Göttingen, Mathematisches Institut der Universität, Bunsenstrasse 3/5; Pres. Prof. Dr. W. HAACK; Sec. Prof. Dr. W. MAAK; publ. *Jahresbericht der DMV* (thrice yearly).

Gesellschaft für angewandte Mathematik und Mechanik (*Society for Applied Mathematics and Mechanics*): Hamburg 13, Rothenbaumchaussee 67-69; f. 1922; 1,300 mems.; Pres. Prof. Dr. EBERHARD METTLER; Sec. Prof. Dr. LOTHAR COLLATZ.

MEDICINE

Anatomische Gesellschaft (*Anatomical Society*): Mainz, Anatomisches Institut der Universität; f. 1886; 349 mems.; Sec. Prof. Dr. MAX WATZKA; publ. *Anatomischer Anzeiger.*

Berliner Medizinische Gesellschaft (*Berlin Medical Society*): 1 Berlin 41, Sembritzkistr. 31A; Pres. Prof. Dr. Dr. h.c. HANS FREIHERR VON KRESS; Sec. Prof. Dr. F. TRAUTMANN.

Deutsche Gesellschaft für Chirurgie (*German Surgical Society*): Berlin W. 15, Kurfürstendamm 179; f. 1872; 2,300 mems.; Pres. Prof. Dr. A. W. FISCHER; Sec. Prof. Dr. WERNER BLOCK; publs. *Langenbecks Archiv und Deutsche Zeitschrift für Chirurgie.*

Deutsche Gesellschaft für Innere Medizin (*Internal Medicine*): Wiesbaden, Med. Klinik der Städtische Krannkenanstalten, Schwalbacherstr. 62; Sec. Prof. Dr. FRIEDRICH KAUFFMANN.

Deutsche Gesellschaft für Kinderheilkunde (*Pediatrics*): Duisburg, Städt. Kinderklinik, Lotharstr. 63; 2,460 mems.; Sec. Prof. Dr. J. WOLFF.

Deutsche Gesellschaft für Ernährung e.V.: 6 Frankfurt/Main, Feldbergstr. 28; Dir. Prof. Dr. Dr. R. AMMON.

Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e.V.: 6 Frankfurt am Main, Sencken-Berganlage 27; f. 1901, reorganised 1948; 420 mems.; Pres. Prof. Dr. med. GERNOT RATH; Sec. Dr. med. HANS-HEINZ EULNER; publ. *Nachrichtenblatt.*

Deutsche Gesellschaft für Pathologie: f. 1897; Sec. Prof. Dr. W. GIESE, Münster/Westf., Westring 17.

Deutsche Gesellschaft für Psychiatrie und Nervenheilkunde: Marburg, Ortenbergstrasse 8; f. 1864; approx. 1,100 mems.; Dir. H. MERGUET; Sec. Prof. H. EHRHARDT; publ. *Arch. Psychiatr., Der Nervenarzt.*

Deutsche Gesellschaft für Psychologie: 44 Münster Universität, Psychologisches Institut; f. 1903; 308 mems.; Sec. Dr. H. HECKHAUSEN; publ. *Kongressberichte.*

Deutsche Gesellschaft für Zahn-, Mund- und Kieferheilkunde (*Dentistry*): Düsseldorf, Lindemannstrasse 38; f. 1859; 8,920 mems.; Gen. Sec. Dr. KARL WINTER.

Deutsche Ophthalmologische Gesellschaft Heidelberg: Heidelberg, Bergheimerstrasse 20; f. 1863; 1,200 mems.; Pres. Prof. Dr. W. ROHRSCHNEIDER; Sec. Prof. Dr. J. K. MÜLLER; publ. *Jahresbericht.*

Deutsche Psychoanalytische Vereinigung: Berliner Psychoanalytisches Institut, Berlin-Schmargendorf, Sulzaer-Strasse 3; br. of the International Psychoanalytical Association; Institute f. 1950; Pres. Dr. GERHART SCHEUNERT.

Deutsche Physiologische Gesellschaft: Erlangen, Universitätsstr. 11; f. 1904; 222 mems.; Pres. Prof. Dr. M. SCHNEIDER; Sec. Prof. Dr. W. D. KEIDEL.

Deutsche Röntgengesellschaft, Gesellschaft für Medizinische Strahlenkunde und Strahlenforschung e.V. (*Radiological Society*): Mainz, Fischtorplatz 20 III; Pres. Prof. Dr. med. ROBERT BAUER; Gen. Sec. Prof. Dr. med. HEINZ LOSSEN.

Gesellschaft Deutscher Hals-, Nasen- und Ohrenärzte (*Oto-rhino-laryngologists*): Pres. Prof. Dr. MEYER ZUM GOTTESBERGE; Sec. Prof. Dr. FALK, Düsseldorf, Moorenstr. 5.

Gesellschaft Deutscher Naturforscher und Ärzte: Bonn, Meckenheimer Allee 168; f. 1822; 5,500 mems.; Pres. Prof. Dr. K. MOTTHES; Gen. Sec. Prof. Dr. H. J. ANTWEILER.

Gesellschaft für Physiologische Chemie (*Physiological Chemistry*): Wuppertal-Elberfeld, Friedrich-Ebert-Str. 217; f. 1947; 525 mems.; Chair. Prof. Dr. ERNST SCHÜTTE, Prof. Dr. GÜNTHER WEITZEL; Sec. Dr. ERNST AUHAGEN.

Physikalisch-medizinische Gesellschaft: Würzburg, Universitäts-Bibliothek, Domerschulstrasse 16; f. 1849; 128 mems.; Sec. Prof. Dr. HANS DU MONT; publ. *Berichte.*

MUSIC

Arnold Schoenberg-Kuratorium: Darmstadt, Kranichsteiner Musikinstitut; f. 1952 in Vienna; Pres. Minister LUDWIG METZGER.

Gesellschaft für Musikforschung: Kassel, Heinrich-Schütz-Allee 35; f. 1946; 1,000 mems.; Pres. Prof. Dr. KARL GUSTAV FELLERER; Sec. Dr. RICHARD BAUM; publ. *Die Musikforschung* (quarterly).

NATURAL SCIENCES, NATURAL HISTORY

Deutscher Naturkundeverein: Stuttgart-e.V.; Office: 725 Leonberg, Obere Burghalde 19; publ. *Die Natur.*

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung e.V.: München 19, Romanstrasse 13; f. 1949; 450 mems.; Pres. Dr. HERMANN VON SIEMENS; Sec. A. EPP.

Joachim Jungius-Gesellschaft der Wissenschaften e.V.: Hamburg 13, Edmund-Siemers-Alle 1; f. 1947; 44 individual mems., 7 mem. asscns.; Pres. Prof. Dr. W. MEVIUS; Vice-Pres. Prof. Dr. W. SCHONE; publs. *Tagungsvorträge, Veröffentlichungen.*

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Naturforschende Gesellschaft: Bamberg, Heiliggrabstrasse 61; f. 1834; 140 mems.; 18,000 vols.; Pres. Prof. Dr. J. DIETZ; Sec. Dr. G. HORNUNG; publ. *Bericht.*

Naturforschende Gesellschaft Freiburg i. Br.: Freiburg i. Br., Hebelstrasse 40; f. 1821; 250 mems.; Pres. and Ed. Prof. Dr. M. PFANNENSTIEL; publ. *Berichte.*

Naturwissenschaftlicher Verein in Hamburg: Zoologisches Museum, v. Melle-Park 10, Hamburg; f. 1837; c. 350 mems.; Chair. Dr. F. NIEDERMAYER

Naturwissenschaftlicher Verein zu Bremen (*Bremen Natural Science Union*): Bremen, Übersee-Museum; f. 1864; Sec. Dr. Th. KRUCKOW; about 400 mems.; publ. *Abhandlungen.*

Stifterverband für die Deutsche Wissenschaft: Essen-Bredeney, Brucker Holt 42; f. 1921; 3,118 mems.; Pres. DDr. h.c. E. H. VITS; Dir. Dr. h.c. F. E. NORD; publs. *Jahrbuch, Mitteilungsblatt Wirtschaft und Wissenschaft, Schriftenreihe zur Förderung der Wissenschaft, Vademecum Deutscher Forschungsstätten.*

Verband Deutscher Physikalischer Gesellschaften: Hanau, Postfach 169; f. 1963; 4,000 mems.; Pres. Dr. K. RUTHARDT; Secs. H. FRANKE, K.-H. RIEWE; publs. *Physikalische Berichte* (monthly), *Physikalische Verhandlungen* (monthly).

Verein für vaterländische Naturkunde in Württemberg: Stuttgart, Schloss Rosenstein; f. 1844; 700 mems.; Pres. E. HÜBLER; publ. *Jahreshefte* (Editor Dr. H. JANUS).

PHILOSOPHY, ETC.

Allgemeine Gesellschaft für Philosophie in Deutschland e.V.: München, Universität; Pres. Prof. Dr. HELMUT KUHN; Sec. Dr. FRANZ WIEDMANN.

Deutsche Gesellschaft für Kulturmorphologie: Frankfurt a.M., Liebigstrasse 41; f. 1938; *c.* 500 mems.; Pres. Dr. JULIUS OVERHOFF; Dir. Prof. Dr. ADOLF ELLEGARD JENSEN; Sec. Dr. HILDEGARD KLEIN.

TECHNOLOGY

DECHEMA Deutsche Gesellschaft für chemisches Apparatewesen e.V. (*Chemical Engineering*): Frankfurt a.M., Rheingau-Allee 25; f. 1926; 2,800 mems.; Pres. Prof. Dr.-Ing. Dr. rer. nat. h.c. KARL WINNACKER; Sec. Senator E.h. Dr. H. BRETSCHNEIDER; publs. *Chemie-Ingenieur-Technik, Werkstoffe und Korrosion* (both monthly), *Dechema-Werkstoff-Tabelle, Dechema Monographien, Dechema-Erfahrungs-austausch.*

Deutsche Gesellschaft für Bauingenieurwesen e.V. (*Constructional Engineering*): Karlsruhe, Barbarossaplatz 2; f. 1946; 490 mems.; Pres. Prof. Dr. WILHELM STRICKLER; Sec. Dipl. Ing. GERHART BOCHMANN.

Deutsche Gesellschaft für Elektronenmikroskopie e.V.: Frankfurt am Main, Farbwerke Hoechst A.G.; Dir. Dr. HELMUT KEHLER.

Deutsche Gesellschaft für Holzforschung (*Wood Research*); Stuttgart-S. Danneckerstrasse 37; f. 1948; Pres. Dr. K. HEMPEL; Manager HEINRICH VON BODMAN.

Deutsche Gesellschaft für Metallkunde (*Metallurgy*): Köln-Marienburg, An der Alteburger Mühle 12; f. 1919; *c.* 1,010 mems.; Pres. Prof. Dr. G. WASSERMANN; Sec. Dr. B. TRAUTMANN; publ. *Zeitschrift für Metallkunde.*

Deutsche Gesellschaft für Mineralölwissenschaft und Kohlechemie e.V.: Hamburg 13, Mittelweg 180.

Deutsche Glastechnische Gesellschaft e.V. (*Glass*): Frankfurt a.M., Bockenheimer Landstrasse 126; f. 1922; 780 mems.; library of 8,340 vols.; Chair. N. VON BÜLOW; Sec. Dr. Ing. WOLFGANG TRIER; publ. *Glastechnische Berichte.*

Deutsche Keramische Gesellschaft (*Ceramic Society*): Bad Honnef/Rhein, Menzenbergstr. 47; f. 1919; 1,350 mems.; Pres. Dr G. CREMER; Sec. G. RECHENBERGER; publ. *Berichte der Deutschen Keramischen Gesellschaft.*

Deutscher Architekten- und Ingenieur-Verband (*Union of Architects and Engineers*): Frankfurt a.M., Gutleutstr. 163-167.

Deutscher Beton-Verein (*Concrete Assen.*): Wiesbaden. Bahnhofstrasse 61; Pres. Dr.-Ing. HANS MINETTI; Secs. ERICH BORNEMANN, PETER MISCH.

Deutscher Kältetechnischer Verein e.V. (*Refrigerating Assen.*): 1 Berlin 52, Eichborndamm 129-139; f. 1909; 700 mems.; Pres. Prof. Dr.-Ing. Dr. K. NESSELMANN; Sec. Dr.-Ing. HANS SCHMIDT.

Deutscher Markscheider Verein e.V. (*Mining Surveyors*): Gelsenkirchen-Buer, Horster Strasse 165; Pres. Dr.-Ing. HERBERT SPICKERNAGEL.

Deutscher Normenausschuss (*Standards Committee*): 1 Berlin 15, Uhlandstrasse 175; f. 1917; Pres. Dr. Ing. J. ULSAMER; Dir. Prof. Dr.-Ing. A. ZINKEN; publ. *DIN-Mitteilungen* (monthly).

Deutscher Verband für Schweisstechnik e.V. (*Welding Association*): Düsseldorf, Schadowstr. 42; Pres. Dr.-Ing. h.c. ARTHUR GASSBERGER; Dir. Dr.-Ing. HEINZ SOSSENHEIMER; publs. *Schweissen und Schneiden, Der Praktiker-Schweissen und Schneiden, Fachbuchreihe, Schweisstechnik, Referatendienst Schweissen und verwandte Verfahren, DVS Merkblätter.*

Deutscher Verband technisch-wissenschaftlicher Vereine (*Union of Technical and Scientific Asscns.*): Düsseldorf, Prinz-George-Strasse 77/79; Chair. Bundesminister Prof. Dr.-Ing. S. BALKE; Sec. Dr. F. W. LEHMANN.

Deutscher Verein für Vermessungswesen e.V. (*Surveying*): Bremen, An der Gete 47; f. 1871; *c.* 3,300 mems.; Pres. Dr.-Phil. H. RÖHRS; publ. *Zeitschrift für Vermessungswesen* (monthly).

Deutscher Verein von Gas- und Wasserfachmännern (*Gas and Water Engineers*): Frankfurt a.M., Rheingauallee 90-98; Pres. GEORG DÜWEL; Sec.-Gen. Dr.-Ing. KARL ERICH SCHICKHARDT and Dipl. Ing. BERNHARD NAENDORF.

Deutscher Wasser-Wirtschafts- und Wasserkraft-Verband (*Water Power Assen.*): Berlin-Charlottenburg 2, Hardenbergstr. 34; Pres. Dr.-Ing. H. PREUSS.

Dokumentationsstelle für Bautechnik in der Fraunhofer-Gesellschaft (*Building Technology Documentation*): Stuttgart W, Silberburgstr. 119A; Dir. CLARA E. MÜLLER.

Lichttechnische Gesellschaft e.V.: 1 Berlin 12, Hardenbergstr. 34.

Rationalisierungs-Kuratorium der Deutschen Wirtschaft (RKW) (*Business Efficiency Board*): Frankfurt a.M., Gutleut. 163-167; f. 1921; 5,200 mems.; Pres. ERNST-WOLF MOMMSEN; Senior Sec. Dr. HEINZ LÜBECK; Secs. Dipl.-Ing. WERNER BLANCKE, Dr. H. W. BLÜTTNER, Dr. H. RÜHLE VON LILIENSTERN; publ. *Rationalisierung* (monthly).

Verband Deutscher Elektrotechniker (VDE) e.V. (*Association of German Electrical Engineers*): Frankfurt a.M. S.10, Stresemann Allee 21; f. 1893; 20,000 mems.; Chair. Dir. i.R. Dipl.-Ing. GUSTAV VON AMMON; Sec. Dr. FRANZ LAUSTER; publs. *Elektrotechnische Zeitschrift, VDE-Vorschriften, VDE-Fachberichte, VDE-Buchreihe, VDE Schnellberichte.*

Nachrichtentechnische Gesellschaft im VDE (NTG) (*Telecommunication Association*): Frankfurt a.M., S.10, Stresemann Allee 21;. f 1954; 5,000 mems.; Chair. Dir. Prof. Dr. HELMUT BORNEMANN; Sec. Dr.-Ing. HANS BURGHOFF; publ. *Nachrichtentechnische Zeitschrift.*

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Verein Deutscher Giessereifachleute e.V. (*Foundry Engineers*): Düsseldorf, Sohnstrasse 70; Chair. Prof. Dr.-Ing. R. SPOLDERS; Sec. Dr.-Ing. PH. SCHNEIDER; publ. *Giesserei* (fortnightly).

Verein Deutscher Ingenieure (*Engineers*): Düsseldorf, Prinz-Georg-Strasse 77/79; f. 1856; 45,000 mems.; Dir. Dr.-Ing. HEINRICH GRÜNEWALD; publs. *VDI-Zeitschrift* (three times a month), *VDI-Nachrichten* (weekly), etc.

Verein der Zellstoff- und Papier-Chemiker und Ingenieure e.V. (*Cellulose Chemists and Engineers*): Darmstadt, Herdweg 86; f. 1905; 1,170 mems.; Pres. Dr. HELLMUTH MÜLLER-CLEMM; Sec. Dipl. Ing. OTTWIN SCHOELLER; Librarian Prof. Dr.-Ing. GEORGE JAYME; publ. *Das Papier*.

Vereinigung Deutscher Schmelzhütten: Dusseldorf, Graf-Adolf-Strasse 18; Pres. Dr. JOACHIM SEIBEL.

Wissenschaftliche Gesellschaft für Luftfahrt e.V. T(WGL): Cologne, Martinistrasse 40-42; Pres. Prof. Dr.-Ing. G. BOCK; Gen. Sec. W. ENNENBACH; Sc. Dir. Dr.-Ing. H. LOHNER; publs. *Zeitschrift fur Flugwissenschaften, Jahrbucher der WGL*.

Wissenschaftlicher Verein für Verkehrswesen e.V. (WVV) (*Science of Transport*): Essen-Stadtwald, Lerchenstrasse 51; f. 1949; 200 mems.; Pres. MARTIN HERRMANN; Sec. Dr. K. HEINECK.

RESEARCH INSTITUTES

GENERAL

Deutsche Forschungsgemeinschaft (*German Research Association*): Bad Godesberg, Frankengraben 40; f. 1920, re-established 1949 for the area of the Federal Republic; provides financial and other assistance for research; in 1962 distributed DM. 100,000,000 (including special funds); Members: all universities, the Academies of Sciences, certain scientific and teaching institutions; mem. of the International Council of Scientific Unions; Pres. Prof. Dr. GERHARD HESS; Vice-Pres. Prof. Dr. HANS-JOCHEM AUTRUM, Prof. Dr. WILHELM WALCHER-Prof. Dr.-Ing. KURT KLÖPPEL, Prof. Dr. HANS KAUFF, MANN; Dir.-Gen. Dr. ERNST HELLMUT VITS; Gen. Sec. Dr. KURT ZIEROLD.

Deutsche Gesellschaft für Forschung e.V.: Bad Gotesburg, Frankengraben 40.

Forschungsinstitut für Internationale Technische Zusammenarbeit: Rheinisch-Westfälische Technische Hochschule Aachen, 5100 Aachen, Theaterstr. 88; Dir. Prof. Dr.-Ing. HANS A. HAVEMANN.

Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V. (*Max Planck Society for the Advancement of Science*): Göttingen, Bunsenstrasse 10; supersedes the former Kaiser-Wilhelm-Gesellschaft, Berlin (f. 1911); Pres. Prof. Dr. ADOLF BUTENANDT; Vice-Pres. Prof. Dr. HANS DÖLLE, Prof. Dr. RICHARD KUHN, Prof. Dr.-Ing. CARL WURSTER; Admin. Dr. HANS BALLREICH (Munich), HANS SEELIGER (Göttingen). Presidential Office: Munich 1, Residenzstr. 1A. Berlin Admin. Office: Berlin-Dahlem, Thielallee 69/73. Düsseldorf Office: Düsseldorf, Kaiserswerther Strasse 164. The Society has the following Research Institutes:

Aerodynamische Versuchsanstalt Göttingen e.V. in der Max-Planck-Gesellschaft z.F.d.W.: Göttingen, Bunsenstr. 10; Dir. Prof. Dr. HERMANN SCHLICHTING.

Max-Planck-Institut für Aeronomie: Lindau über Northeim; Managing-Dir. Prof. Dr. WALTER DIEMINGER.

Institut für Stratosphären-Physik: Dir. Prof. Dr. JULIUS BARTELS.

Institut für Ionosphären-Physik: Dir. Prof. Dr. WALTER DIEMINGER.

Max-Planck-Institut für Arbeitsphysiologie (*Occupational Physiology*): Dortmund, Rheinlanddamm 201; Dir. Prof. Dr. GUNTHER LEHMANN.

Bibliotheca Hertziana (Max-Planck-Institut) (*Library*): Rome, Palazzo Zuccari, Via Gregoriana 28; Dir. Prof. Dr. WOLFGANG LOTZ. (*See under* Italy—Libraries.)

Forschungsstelle für Bioakustik in der Max-Planck-Gesellschaft z.F.d.W.: Tübingen, Biesinger Strasse 8; Dir. Prof. Dr. ALBRECHT FABER.

Max-Planck-Institut für Biochemie (*Bio-Chemistry*): Munich 15, Goethestrasse 31; Dir. Prof. Dr. ADOLF BUTENANDT; Dep. Dir. Prof. Dr.-Ing. HEINZ DANNENBERG.

Max-Planck-Institut für Biologie (*Biology*): Tübingen, Corrensstr. 41; Man. Dir. Prof. Dr. WOLFHARD WEIDEL.

Abteilung Beermann: Tübingen, Spemannstrasse 34; Dir. Prof. Dr. WOLFGANG BEERMANN.

Abteilung Melchers: Tübingen, Corrensstrasse 41; Dir. Prof. Dr. GEORG MELCHERS.

Abteilung Reichardt: Tübingen, Spemannstr. 34; Dir. Dr. WERNER-ERNST REICHARDT.

Abteilung Weidel: Tübingen, Correnstrasse 38; Dir. Prof. Dr. WOLFHARD WEIDEL.

Max-Planck-Institut für Biophysik (*Bio-physics*): Frankfurt a.M.-Süd 10, Forsthausstrasse 70; Dir. Prof. Dr. BORIS RAJEWSKY.

Max-Planck-Institut für Chemie (Otto-Hahn-Institut) (*Chemistry*): Mainz, Saarstrasse 23; Dir. Prof. Dr. JOSEF MATTAUCH.

Massenspektroskopische Abteilung: Dir. Prof. Dr. HEINRICH HINTENBERGER.

Kernphysikalische Abteilung: Dir. Prof. Dr. HERMANN WAFFLER.

Chemische Abteilung: Head (Vacant).

Max-Planck-Institut für Physikalische Chemie: Göttingen, Bunsenstr. 10; Dir. Prof. Dr. CARL WAGNER.

Abteilung Eigen: Dir. Dr. MANFRED EIGEN.

Max-Planck-Institut für Eisenforschung (*Iron*): Düsseldorf, Max-Planck-Strasse 1; Dir. Prof. Dr. WILLY OELSEN.

Max-Planck-Institut für Eiweiss- und Lederforschung (*Protein and Leather Research*): München 15, Schillerstr. 46; Dir. Prof. Dr. WOLFGANG GRASSMANN.

Abteilung für Röntgenstrukturforschung: Head Prof. Dr. WALTER HOPPE.

Max-Planck-Institut für vergleichende Erbbiologie und Erbpathologie (*Heredity*): Berlin-Dahlem, Ehrenbergstrasse 27-28; Head Prof. Dr. FRITZ KAUDEWITZ.

Abteilung für Mikrobengenetik: Dir. Prof. Dr. FRITZ KAUDEWITZ.

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Max-Planck-Institut für Ernährungsphysiologie (*Nutrition*): Dortmund, Rheinlanddamm 201; Dir. Prof. Dr. HEINRICH KRAUT.

Max-Planck-Institut für Geschichte: Göttingen, Hoher Weg 11; Dir. Prof. Dr. HERMANN HEIMPEL.

Gmelin-Institut für anorganische Chemie und Grenzgebiete in der Max-Planck-Gesellschaft z.F.d.W. (*Inorganic Chemistry*): Frankfurt a.M., Varrentrappstr. 40-42, Carl Bosch-Haus; Dir. Prof. Dr. ERICH PIETSCH.

Fritz - Haber - Institut der Max - Planck - Gesellschaft z.F.d.W. (*Physical-Chemistry*): Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. RUDOLF BRILL; Deputy Dir. Prof. Dr. I. N. STRANSKI.

Abteilung für physikalische Chemie: Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. I. N. STRANSKI.

Institut für Elektronenmikroskopie: Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. ERNST RUSKA.

Max-Planck-Institut für Hirnforschung (*Brain Research*): Frankfurt/Main-Niederrad, Deutschordenstr. 46; Man. Dir. Prof. Dr. WILHELM TÖNNIS.

Neuroanatomische Abteilung: Frankfurt/Main-Niederrad, Deutschordenstr. 46; Dir. Prof. Dr. ROLF HASSLER.

Neuropathologische Abteilung: Frankfurt/Main-Niederrad, Deutschordenstr. 46; Dir. Prof. Dr. WILHELM KRÜCKE.

Physiologische Abteilung: Göttingen, Bunsenstrasse 10; Dir. Prof. Dr. ALOIS KORNMÜLLER.

Abteilung für Tumorforschung und experimentelle Pathologie: Köln-Lindenthal, Lindenburg; Dir. Prof. Dr. WILHELM TÖNNIS.

Abteilung für allgemeine Neurologie: Köln-Merheim, Ostmerheimer Str. 200; Dir. Prof. Dr. KLAUS JOACHIM ZÜLCH.

Hydrobiologische Anstalt der Max-Planck-Gesellschaft z.F.d.W. (*Hydro-biology*): Plön/Holstein, August-Thienemann-Str. 2; Man. Dir. Prof. Dr. HARALD SIOLI.

Max-Planck-Institut für Immunbiologie (*Immunisation Biology*): Freiburg-Zähringen, Stübeweg 51; Dir. Prof. Dr. OTTO WESTPHAL.

William G. Kerckhoff-Herzforschungs-Institut der Max-Planck-Gesellschaft z.F.d.W. (*Cardiac Research*): Bad Nauheim, Parkstrasse 1; Dir. Prof. Dr. RUDOLF THAUER.

Kardiologische Abteilung: Bad Nauheim, Sprudelhof; Head Prof. Dr. RUDOLF KNEBEL.

Max-Planck-Institut für Kernphysik: Heidelberg, Jahnstr. 29; Dir. Prof. Dr. WOLFGANG GENTNER.

Max-Planck-Institut für Kohlenforschung (*Coal*): Mülheim/Ruhr, Kaiser-Wilhelm-Platz 1; Dir. Prof. Dr. KARL ZIEGLER.

Abteilung Strahlenchemie: Head Prof. Dr. GÜNTHER O. SCHENCK.

Max-Planck-Institut für Kulturpflanzenzüchtung: Hamburg-Volksdorf, Waldredder 4; Dir. Prof. Dr. REINHOLD v. SENGBUSCH.

Max-Planck-Institut für Landarbeit und Landtechnik (*Agriculture*): Bad Kreuznach, Am Kauzenberg; Dir. Prof. Dr. GERHARDT PREUSCHEN.

Limnologische Station Niederrhein in der Max-Planck-Gesellschaft z.F.d.W.: Krefeld-Hülserberg, Am Waldwinkel 70; Head (Vacant).

Max-Planck-Institut für Medizinische Forschung (*Medicine*): Heidelberg, Jahnstrasse 29; Man. Dir. Prof. Dr. RICHARD KUHN.

Institut für Chemie: Dir. Prof. Dr. RICHARD KUHN.

Institut für Physik: Dir. (Komm). Dr. WOLFGANG GENTNER.

Institut für Physiologie: Dir. Prof. Dr. HANS HERMANN WEBER.

Medizinische Forschungsanstalt der Max-Planck-Gesellschaft z.F.d.W. (*Medicine*): Göttingen, Bunsenstrasse 10; Man. Dir. Prof. Dr. WERNER KOLL.

Chemische Abteilung: Dir. Prof. Dr. FRIEDRICH CRAMER.

Pharmakologische und Standard-Abteilung: Dir. Prof. Dr. WERNER KOLL.

Physiologische Abteilung: Dir. Prof. Dr. WOLFGANG SCHOEDEL.

Max-Planck-Institut für Meeresbiologie (*Marine Biology*): Wilhelmshaven, Anton-Dohrn-Weg; Dir. Prof. Dr. JOACHIM HÄMMERLING; Deputy Dir. Prof. Dr. HANS BAUER.

Abteilung Bauer: Tübingen, Melanchthonstr. 36.

Max-Planck-Institut für Metallforschung (*Metallurgy*): Stuttgart-N, Seestrasse 75; Man. Dir. Prof. Dr. WERNER KÖSTER.

Institut für Metallkunde: Dir. Prof. Dr. WERNER KÖSTER.

Abteilung für Sondermetalle: Stuttgart-N, Seestr. 92; Head Prof. Dr.-Ing. ERICH GEBHARDT.

Abteilung Dehlinger: Head Prof. Dr.-Ing. ULRICH DEHLINGER.

Abteilung Seeger: Head Prof. Dr. ALFRED SEEGER.

Max-Planck-Institut für Pflanzengenetik (*Plant Genetics*): Rosenhof bei Heidelberg über Ladenburg; Dir. Prof. Dr. EDGAR KNAPP.

Max-Planck-Institut für Physik und Astrophysik: München 23, Föhringer Ring 6; Man. Dir. Prof. Dr. WERNER HEISENBERG.

Institut für Physik: Dir. Prof. Dr. WERNER HEISENBERG.

Institut für Astrophysik: Dir. Prof. Dr. LUDWIG BIERMANN.

Max-Planck-Institut für ausländisches und internationales Privatrecht (*Foreign and International Private Law*): Hamburg 13, Mittelweg 187; Dir. Prof. Dr. HANS DÖLLE.

Deutsche Forschungsanstalt für Psychiatrie (Max-Planck-Institut) (*Psychiatry*): Müchen 23, Kraepelinstrasse 2; Man. Dir. Prof. Dr. GERD PETERS.

Neuropathologische Abteilung: Dir. Prof. Dr. GERD PETERS.

Klinisches Institut: Dir. (Vacant).

Max-Planck-Institut für ausländisches öffentliches Recht und Völkerrecht (*Foreign Public Law and Common Law*): Heidelberg, Berlinerstrasse 48; Dir. Prof. Dr. HERMANN MOSLER.

Max-Planck-Institut für Silikatforschung (*Silicates*): Würzburg, Neunerplatz 2; Dir. Prof. Dr. ADOLF DIETZEL; Berlin Branch: Berlin-Dahlem, Faradayweg 16; Head Dr. LUISE HOLZAPFEL.

Forschungsstelle für Spektroskopie in der Max-Planck-Gesellschaft z.F.d.W. (*Spectroscopy*): Göttingen, Bunsenstrasse 10; Head Prof. Dr. HERMANN SCHÜLER.

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Max-Planck-Institut für Strömungsforschung (*Aerodynamics*): Göttingen, Böttingerstrasse 6-8; Dir. Prof. Dr. WALTER TOLLMIEN.

Abteilung Gasdynamik: Head Prof. Dr. MANFRED SCHÄFER.

Abteilung Reibungsforschung (*Friction*): Göttingen, Bunsenstr. 10; Head Prof. Dr. GEORG VOGELPOHL.

Max-Planck-Institut für Tierzucht und Tierernährung (*Animal Breeding*): Mariensee, über Wunstorf and Trenthorst über Bad Oldesloe; Dir. Prof. Dr. MAX WITT (Mariensee).

Max-Planck-Institut für Verhaltensphysiologie (*Physiology of Behaviour*): Seewiesen über Starnberg, Obb.; Man. Dir. Prof. Dr. JURGEN ASCHOFF.

Abteilung Aschoff: Erling-Andechs/Obb.; Dir. Prof. Dr. JURGEN ASCHOFF.

Abteilung v. Holst: Seewiesen über Starnberg, Obb.; Dir. (Vacant).

Abteilung Lorenz: Seewiesen über Starnberg, Obb.; Dir. Prof. Dr. KONRAD LORENZ.

Abteilung Mittelstaedt: Seewiesen über Starnberg, Obb.; Head Dr. HORST MITTELSTAEDT.

Vogelwarte Radolfzell (formerly **Vogelwarte Rossitten**) (*Ornithology*): Schloss Möggingen über Radolfzell (Bodensee); Head Dr. KONRAD LORENZ; Deputy Dir. Dr. R. KUHK.

Max-Planck-Institut für Virusforschung: Tübingen, Spemannstr. 35; Dir. Prof. Dr. HANS FRIEDRICH-FREKSA.

Abteilung für Biochemie: Dir. Prof. Dr. GERHARD SCHRAMM.

Abteiling für Physikalische Biologie: Dir. Prof. Dr. HANS.

Biologisch-medizinische Abteilung: Dir. Prof. Dr. WERNER SCHÄFER.

Molekular-Biologische Abteilung: Head Dr. ALFRED GIERER.

Max-Planck-Institut für Zellchemie: München 2, Karlstr. 25; Dir. Prof. Dr. FEODOR LYNEN.

Max-Planck-Institut für Zellphysiologie (*Cells*): Berlin-Dahlem, Garystrasse 32; Dir. Prof. Dr. OTTO WARBURG.

Max-Planck-Institut für Züchtungsforschung (Erwin-Baur-Institut) (*Breeding*): Köln-Vogelsang and Scharnhorst, Post Basse über Wunstorf; Dir. Prof. Dr. JOSEF STRAUB.

Max-Planck-Institut für Forschung auf dem Gebiet des Bildungswesens in der Max-Planck-Gesellschaft: 1000 Berlin 33 (Dahlem), Garystrasse 9; Dir. Prof. HELLMUT BECKER.

Max-Planck-Institut für Dokumentationswesen: 6000 Frankfurt a.M. 10, Stresemannallee 20; Dir. Dr. MARTIN CREMER.

Max-Planck Minerva Gesellschaft für die Forschung m.b.H.: 8000 Munich 1, Residenzstr. 1A; Managers Dr. HANS BALLREICH and HANS SEELIGER.

Max-Planck-Institut für Plasmaphysik G.m.b.H.: 8000 Munich 22, Odeonsplatz 6; Managers Dr. ERNST TELSCHOW and Dr. GÜNTER LEHR.

Max-Planck-Zentralwerkstatt Göttingen G.m.b.H.: 3400 Göttingen, Bunsenstr. 10; Managers Dr. ERNST TELSCHOW and Dipl.-Ing. KARL NIEDERREITHER.

AGRICULTURE

Forschungsanstalt für Landwirtschaft (*Agricultural Research Centre*): Braunschweig-Völkenrode, 3301 Braunschweig, Bundesallee 50; Pres. Prof. Dr. W. FLAIG; Dir. Prof. Dr. K. H. OLSEN; directs 12 institutes for specialised agricultural research; publs. *Landbauforschung Völkenrode* (quarterly), *Annual Report*.

ARCHÆOLOGY, ART, HISTORY, LITERATURE

Deutsche Akademie für Sprache und Dichtung: Darmstadt, Ernst-Ludwig-Haus; Pres. Prof. HERMANN KASACK; Vice-Pres. KASIMIR EDSCHMID; Gen. Sec. Dr. ERNST JOHANN.

Deutscher Kunstrat e.V.: Köln, Goebenstrasse 10-12; Dir. Dr. ERNST THIELE.

Deutsches Archäologisches Institut (*Archæological Institute*): Berlin-Dahlem, Peter-Lenné-Str. 28-30; f. 1829; Pres. Prof. Dr. KURT BITTEL; brs. in Rome (Doz. Dr. THEODOR KRAUS), Athens (Prof. Dr. E. KUNZE), Istanbul (Prof. Dr. RUDOLF NAUMANN), Madrid (Prof. Dr. H. SCHLUNK), Cairo (Prof. Dr. H. STOCK), Baghdad (Prof. Dr. H. LENZEN), and Teheran (Dozent Dr. H. LUSCHEY); also Römisch-Germanische Kommission, Frankfurt-am-Main (Dr. W. KRÄMER); publs. *Jahrbuch, Berichte der Römisch-Germanischen-Kommission, Germania, Athensiche Mitteilungen, Römische Mitteilungen, Istanbuler Mitteilungen, Istanbuler Forschungen, Mitteilungen der Abteilung Kairo, Madrider Mitteilungen, Teheraner Forschungen, Grabungspublikationen, Monographien*, etc.

Institut für europäische Geschichte: Mainz, Alte Universitätsstrasse 19; Dirs. Prof. Dr. M. GÖHRING and Prof. DDr. J. LORTZ.

Zentralinstitut für Kunstgeschichte in München: München 2, Meiserstr. 10; f. 1946; 120,000 vols.; 140,000 photographs; Dir. Prof. Dr. LUDWIG H. HEYDENREICH; Librarian Dr. HERBERT KEUTNER; publs. *Veröffentlichungen des Zentralinst. f. Kunstgesch., Kunstchronik, Reallexikon zur deutschen Kunstgeschichte, Münchner Jahrbuch der bildenden Kunst* (with the Bavarian State Museums).

ASTRONOMICAL OBSERVATORIES

Astronomisches Institut der Universität Frankfurt: Frankfurt a.M., Senckenberg-Anlage 23; f. 1910; Dir. Prof. Dr. W. GLEISSBERG.

Astronomisches Institut und Sternwarte: Universität Würzburg; Dir. Prof. Dr. HERMANN SCHMIDT, Prof. em. Dr. OTTO VOLK.

Astronomisches Institut der Universität: Münster, Steinfurterstr. 107; Dir. Prof. Dr. H. STRASSL.

Fraunhofer Institut: Freiburg i.Br., Schöneckstrasse 6; observatories at Freiburg/Schauinsland and Anacapri; f. 1942; Dir. Prof. Dr. K. O. KIEPENHEUER.

Hamburger Sternwarte: Hamburg-Bergedorf, 112 Gojenbergsweg; f. 1830; astrometry, photometry, spectroscopy; library of 35,000 vols.; Dir. O. HECKMANN.

Institut für Theoretische Physik und Sternwarte der Universität Kiel: Kiel, Neue Universität, Haus C4/I, Olshausenstr.; theoretical physics, astrophysics; library of 20,000 vols.; Dir. Prof. Dr. h.c. ALBRECHT UNSOELD.

Landessternwarte auf dem Königstuhl bei Heidelberg: Heidelberg, Königstuhl; f. 1897; Dir. Prof. Dr. H. ELSÄSSER.

Remeis-Sternwarte: Bamberg, Sternwartstr. 7; f. 1889; Astronomisches Institut der Universität Erlangen-Nürnberg; Dir. Dr. WOLFGANG STROHMEIER.

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Universitäts-Sternwarte: München 27, Sternwartstrasse 23; f. 1816; Dir. Prof. Dr. P. WELLMANN.

Universitäts-Sternwarte Göttingen: Göttingen, Geismarlandstr. 11; f. 1734; solar physics and stellar photometry.

Astronomisches Institut der Universität: Tübingen, Waldhäuser Strasse 64, and Weissenau bei Ravensburg; Dir. Prof. Dr. H. SIEDENTOPF; Dept. Head Prof. Dr. R. MÜHLEISEN; Observer Doz. Dr. H. SCHEFLER.

Universitäts-Sternwarte: Bonn, Poppelsdorfer Allee 49; includes Observatorium Hoher List; 11 mems.; Dir. Prof. Dr. F. BECKER.

BIOLOGY, BOTANY, ZOOLOGY

Ferdinand-Blum-Institut für experimentelle Biologie: Frankfurt/Main, Paul-Ehrlich-Str. 42a; f. 1911; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

Institut für Meeresforschung: Bremerhaven, Am Handelshafen 12; Com. Dir. Dr. WILLY HÖHNK.

Institut Vogelwarte Helgoland (*Ornithological Research*): Wilhelmshaven, Vogelwarteninsel; re-opened 1947; biology, migration studies, ringing centre, ecology of sea-birds, etc.; Dir. Dr. FRIEDRICH GOETHE.

Kohlenstoffbiologische Forschungsstation e.V.: Essen, Herwarthstrasse 60; Dir. Dr. FRITZ GUMMERT.

Förderergesellschaft Kohlenstoffbiologie e.V.: Dortmund, Rheinlanddamm 201.

Forschungsinstitut für Luftreinhaltung e.V.: Essen-Bredeney, Alfred-Pott-Weg 8; air pollution research.

Staatsinstitut für Allgemeine Botanik und Botanischer Garten (*State Institute for General Botany and Botanic Garden*): Hamburg, 36 Jungiusstrasse 6; f. 1821; Dir. Prof. Dr. WALTER MEVIUS; publ. *Mitteilungen*.

Staatsinstitut für Angewandte Botanik (*Applied Botany*): Hamburg 36, Bei den Kirchhöfen 14; f. 1898; research on trade, agriculture, and horticulture; Dir. Prof. Dr. U. RUGE.

CHEMISTRY, PHYSICS, MATHEMATICS

Chemisches Staatsinstitut (*State Chemical Institute at Hamburg University*): Hamburg, 36 Jungiusstrasse 1-9; f. 1878; Institute of Organic Chemistry, Dir. Prof. Dr. K. HENYS; Institute of Inorganic Chemistry, Dir. Prof. Dr. R. NAST.

Hahn-Meitner-Institut für Kernforschung Berlin (*Nuclear Research*): 1 Berlin 39 (-Wannsee), Glienickerstr. 100.

DIRECTORS:

Nuclear-Chemistry Section: Prof. Dr. KARL-ERIK ZIMEN.
Radiation-Chemistry Section: Prof. Dr. ARNIM HENGLEIN.
Mathematical Section: Prof. Dr. WOLFGANG HAACK.
Nuclear-Physics Section: Prof. Dr. KARL-HEINZ LINDENBERGER.
Reactor-Physics Department: Dr. KARL WASSERROTH.
Radiation-Physics Department: Priv. Doz. Dr. WOLFGANG JACOBI.
Electronic Department: Dr. KARL ZANDER.

Institut für makromolekulare Chemie der Universität Freiburg i. Br. (*Research Institute for Macromolecular Chemistry*): Freiburg im Breisgau, Stefan-Meier-Str. 31; Dir. Prof. Dr.E. HUSEMANN.

Institut für Spektrochemie und angewandte Spektroskopie: Dortmund-Aplerbeck, Marsbruchstrasse 186.

Institut für Strahlen- und Kernphysik: Bonn, Nussallee 8; Dir. Prof. Dr. W. RIEZLER.

Institut für Biologie der Vitalstoffe und Ernährung: Hannover-Kirchrode, Bemeroderstr. 61; Dir. Prof. Dr. H. A. SCHWEIGART.

Mathematisches Forschungsinstitut (*Mathematical Research Institute*): Oberwolfach-Walke, Schwarzwald, Lorenzenhof; Dir. Prof. Dr. MARTIN BARNER.

Physikalisches Staatsinstitut (*State Physical Institute*): Hamburg 36, Jungiusstrasse 9; f. 1899; Dir. Prof. Dr. W. JENTSCHKE.

ECONOMIC SCIENCE

Arbeitsgemeinschaft deutscher wirtschaftswissenschaftlicher Forschungsinstitute e.V. (*Association of German Economic Science Research Institutes*): Bonn, Koblenzerstr. 170; f. 1949; 23 mems.; Chair. Prof. Dr. FERDINAND FRIEDENSBURG; Sec.-Gen. Dr. WOLFGANG HANSTEIN; affiliates the following institutes:

Deutsches Institut für Wirtschaftsforschung (Institut für Konjunkturforschung) (*German Institute for Economic Research*): Berlin-Dahlem, Königin-Luise-Strasse 5; Pres. Prof. Dr. Dr. h.c. FERDINAND FRIEDENSBURG.

Institut für Ausländische Landwirtschaft: Berlin-Dahlem, Podbielskiallee 64; Dir. Prof. Dr. H. WILBRANDT.

Abteilung für Osteuropäische Wirtschaft des Osteuropa-Instituts an der Freien Universität Berlin (*Economics Department of the East European Institute of Berlin Free University*); Berlin-Dahlem, Garystrasse 55; Dir. Prof. Dr. K. C. THALHEIM.

Forschungsinstitut für Wirtschaftsfragen der Entwicklungsländer (*Research Institute for Economic Questions of Developing Countries*); Bonn, Gierenweg 19; Dir. Prof. Dr. Dr. h.c. F. BAADE.

Forschungsstelle der Friedrich-Ebert-Stiftung (*Research Department of Friedrich-Ebert-Stiftung*): Bonn, Koblenzer Strasse 54; Dir. Dr. HEIDERMANN.

Institut für landwirtschaftliche Marktforschung (*Institute for Agricultural Market Research*): Braunschweig-Völkenrode; Dir. Prof. Dr. R. PLATE.

Bremer Ausschuss für Wirtschaftsforschung (*Bremen Committee for Economic Research*): Bahnhofsplatz 29; Dir. Prof. Dr. A. JACOBS.

Rheinisch-Westfälisches Institut für Wirtschaftsforschung (*Rhenish-Westphalian Institute for Economic Research*): Essen, Hohenzollernstrasse 1; Dir. Prof. Dr. TH. WESSELS.

Institut für Agrarwissenschaft der Universität Freiburg i. Br.: (*Institute for Agricultural Science, Freiburg University*): Freiburg i. Br., Belfortstr. 11; Dir. Prof. Dr. C. VON DIETZE.

Hamburgisches Welt-Wirtschafts-Archiv (*Hamburg World Economic Archives*): Hamburg 36, Poststrasse 11; Dir. Dr. CLODWIG KAPFERER.

Institut für Weltwirtschaft an der Universität Kiel (*Institute for World Economics at Kiel University*): Kiel, Düsternbrooker Weg 120/122; Dir. Prof. Dr. Dr. h.c. ERICH SCHNEIDER.

Energiewirtschaftliches Institut an der Universität zu Köln (*Institute for the Economics of Energy, University of Cologne*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Prof. Dr. TH. WESSELS.

Institut für Handelsforschung an der Universität zu Köln (*Cologne University Institute for Trade Research*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Prof. Dr. E. SUNDHOFF.

Institut für Selbsthilfe und Sozialforschung e.V. (*Institute for Social Research and Self-Help*): Köln, Apostelnstr. 9; Dir. Prof. Dr. SPECHT.

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Institut für Wirtschaftspolitik an der Universität zu Köln (*Cologne University Institute for Econoicm Policy*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Staatssekretär Prof. Dr. A. MÜLLER-ARMACK.

Wirtschaftswissenschaftliches Institut der Gewerkschaften (*Trade Unions' Economic Research Institute*): Köln, Domkloster 3; Dir. Prof. Dr. B. GLEITZE.

Forschungsinstitut für Wirtschaftspolitik an der Universität Mainz (*Mainz University Institute for Economic Research*): Mainz, Saarstrasse 21; Dir. Prof. Dr. ERICH WELTER.

IFO-Institut für Wirtschaftsforschung (*Institute for Economic Research*): München 27, Poschingerstrasse 5; Chair. Prof. Dr. H. LANGELÜTKE.

Deutsches Wirtschaftswissenschaftliches Institut für Fremdenverkehr an der Universität München (*Economic Institute for Tourism*): München 22, Prinzregentenstr. 18; Dirs. Prof. Dr. B. PFISTER, Prof Dr. O. HINTNER.

Forschungsstelle für allgemeine und textile Marktwirtschaft an der Universität Münster (*Research Institute for general and textile marketing*): Münster i.W., Universitätsstr. 14-16; Dir. Prof. Dr. WALTER HOFFMANN.

Gesellschaft für Konsumforschung e.V. (*Society for Market Research*): Nürnberg, Burgschmietstrasse 2; Dir. Prof. Dr. G. BERGLER.

Institut für Angewandte Wirtschaftsforschung (*Institute for Applied Economic Research*): Tübingen, Biesingerstr. 25; Dir. Prof. Dr. Dr. K. BRANDT.

Statistisches Bundesamt (*Central Statistical Office*): Wiesbaden, Gustav-Streseman-Ring 11; Pres. Dr. G. FÜRST.

Arbeitsgemeinschaft Sozialwissenschaftlicher Institute e.V. (*Association of Social Institutes*): Bonn, Koblenzer Strasse 75; f. 1947; 19 mems.; Pres. Prof. Dr. LUDWIG NEUNDÖRFER; Gen. Sec. Dr. HORST HEIDERMANN; publ. *Soziale Welt* (quarterly).

Institut für Ethnologie der Freien Universität Berlin (*Institute for Ethnology of the Free University of Berlin*): Berlin-Dahlem, Bernadottestrasse 94; Dir. Prof. Dr. SIGRID WESTPHAL-HELLBUSCH.

Institut Finanzen und Steuern e.V. (*Finance and Taxation Institute*): Bonn, Markt 14; f. 1949; Pres. Dr. GEORG GAST; Sec. Dr. WOLFGANG KRUG VON NIDDA.

GEOLOGY, GEOGRAPHY, HYDROGRAPHY

Deutsches Hydrographisches Institut: Hamburg 4, Bernhard Nochtstr. 78; f. 1945 (1861); under the Federal Ministry of Transport; oceanography, tides and currents, geomagnetism, time service, nautical technics, navigating methods, hydrographic surveying and nautical geodesy, bathymetry, sea-bed geology, ice information service, nautical charts and publications; library; Pres. Dr. G. ZWIEBLER; publs. *Deutsche Hydrographische Zeitschrift* (six per annum), *Der Seewart* (six per annum), *Jahresberichte*.

Geologisches Staatsinstitut (*State and University Geological Institute*): Hamburg 13, von-Melle-Park 11; f. 1907; Dir. Prof. Dr. EHRHARD VOIGT; publ. *Mitteilungen aus dem Geologischen Staatsinstitut in Hamburg* (annual).

LAW

Institut für Internationales Recht an der Universität Kiel (*Institute for International Law at the University of Kiel*): Kiel, Daenische Strasse 15; f. 1914; studies and research in public and private international law, foreign law, comparative law and radio law; library of 50,000 vols.; U.N. Depositary Library; Dir. Prof. Dr. EBERHARD MENZEL; Prof. Dr. VIKTOR BOEHMERT; Librarian INGRID BUETTNER; publs. *Jahrbuch für Internationales Recht* (in collaboration with the Research Institute for Foreign Public Law and International Law, Hamburg), *Veröffentlichungen des Instituts für Intern. Recht a. d. Univ. Kiel, Dokumente*.

Rheinisch-Westfälisches Gerichtspsychologisches Institut (*Rhenish-Westphalian Institute of Legal Psychology*): Münster (Westf.), Spiekerhof 6-8; Dir. Dr. FRIEDRICH ARNTZEN.

MEDICINE

Balneologisches Institut bei der Universität München (*Institute of Medical Hydrology of the University of Munich*): f. 1951; 20 mems.; Supervising Dir. Prof. Dr. S. W. SOUCI; Chemical Section: Munich 23, Leopoldstrasse 175, Dep. Dir. Prof. Dr. S. W. SOUCI; Medical and Climatological Section: Munich 15, Ziemssenstrasse 1, Dep. Dir. Prof. Dr. H. VON BRAUNBEHRENS.

Bernhard-Nocht-Institut für Schiffs- und Tropenkrankheiten (*Naval and Tropical Diseases*): Hamburg, 4, Bernhard-Nocht-Strasse 74; f. 1900; Dir. Prof. Dr. ERNST GEORG NAUCK; publ. *Zeitschrift für Tropenmedizin und Parasitologie*.

Deutsche Forschungsanstalt für Tuberkulose e.V.: Munich, Pettenkoferstrasse 14b, Ludolph-Brauer-Institut; f. 1912; 93 mems.; Dir. Prof. Dr. HUGO BRAUN.

Gollwitzer-Meier-Institut: Staatsbad Oeynhausen; Dir. Prof. Dr. L. DELIUS.

Institut für Hirnforschung und allgemeine Biologie (*Brain Research and General Biology*): Neustadt (Schwarzwald); Dir. Priv. Doz. Dr. A. HOPF.

Institut für Psychologie der Universität Marburg (*Marburg University Institute of Psychology*): Marburg, Gutenbergstrasse 18; f. 1923; library of 7,000 vols. and periodicals; Dir. Prof. Dr. HEINRICH DÜKER.

Paul-Ehrlich-Institut, Staatliche Anstalt für experimentelle Therapie: Frankfurt a.M.-Süd, Paul-Ehrlich-Strasse 44; f. 1899; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

Chemotherapeutisches Forschungsinstitut Georg-Speyer-Haus: Frankfurt a.M.-Süd, Paul-Ehrlich-Strasse 42; f. 1906; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

METEOROLOGY

Deutscher Wetterdienst (*German Meteorological Service*): Offenbach, Frankfurter Strasse 135; f. 1952; central service for the Federal Republic incorporating former zonal meteorological services; Pres. Dr. GEORG BELL.

TECHNOLOGY, APPLIED SCIENCE

Rechenzentrum am Institut für Angewandte Mathematik der Universität Freiburg i.Br. (*Computation Center in the Institute of Applied Mathematics, University of Freiburg in Breisgau*): Hebelstr. 40, Freiburg i.Br.; Dirs. Prof. Dr. H. GÖRTLER and Prof. Dr. J. NITSCHE.

Arbeitsgemeinschaft Industrieller Forschungsvereinigungen e.V.: Köln, Deutscher Ring 26; f. 1954; Pres. Dr. Ing. HERBERT STUSSIG; Dir.-Gen. Dr. EDGAR SCHULZ-FINCKE.

Battelle-Institut, Gemeinnützige Laboratorien für Vertragsforschung: Frankfurt/Main, Wiesbadener Strasse; Dir. Prof. Dr. MAX BARNICK.

Bundesanstalt für Materialprüfung (*Federal Institute for Materials Testing*): 1 Berlin 45 (Dahlem), Unter den Eichen 86/87; f. 1907; Pres. Prof. Dr.-Ing. MAX PFENDER.

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Bundesforschungsanstalt für Lebensmittelfrischhaltung (*Federal Food Preservation Research Institute*): Karlsruhe, Kaiserstrasse 12; f. 1936; Dir. Prof. Dr. I. KUPRIANOFF.

Deutsche Akademie für Städtebau und Landesplanung: Cologne, Hohenzollernring 79/81; Pres. Prof. Dr. Ing. J. W. HOLLATZ.

Deutsche Forschungsanstalt für Lebensmittelchemie (*German Research Institute for Food Chemistry*): Munich, 23, Leopoldstrasse 175; f. 1918; Dir. Prof. Dr. S. WALTER SOUCI; publ. *Zeitschrift für Lebensmittel-Untersuchung und-Forschung* (monthly).

Deutsche Versuchsanstalt für Luftfahrt e.V.: Mülheim-Ruhr, Flughafen; Dir. Dr. STOCK.

Deutsches Forschungsinstitut für Textilindustrie (*Textiles*): Reutlingen, Kaiserstrasse 99; Dir. Prof. Dr.-Ing. Dr. ERWIN SCHENKEL.

Forschungsgemeinschaft Bauen und Wohnen (*Building*): Stuttgart 1., Hohenzollernstr. 25; Dir. BAUDIR H. BRENNER.

Forschungsheim für Wärmeschutz e.V. (*Heat Insulation, Testing, Research*): Munich, Donaustrasse 46; f. 1918: Dir. Dipl.-Phys. WALTER CAMMERER.

Forschungsinstitut für die Chemie des Holzes und der Polysaccharide (*Research Institute for Wood and Polysaccharide Chemistry*): Heidelberg, Institut für Organische Chimie, Tiergartenstrasse; Dir. Prof. Dr. KARL FREUDENBERG.

Forschungsinstitut für Edelmetalle und Metallchemie: (*Rare Metals*): Schwäbisch-Gmünd, Katharinenstr. 17; Dir. Prof. Dr. ERNST RAUB.

Institut für Bauforschung (*Building Research*): Hannover, Wilhelmstr. 8; Dir. Prof. Dr.-Ing. W. TRIEBEL.

Institut für Erdölforschung: Hannover, Am Kleinen Felde 12; Dir. Prof. Dr. Gg. R. SCHULTZE.

Institut für Lebensmitteltechnologie und Verpackung (*Food Technology and Packaging*): Munich, 54, Schragenhofstrasse 35; f. 1941; Dir. Prof. Dr.-Ing. habil. RUDOLF HEISS.

Institut für Technische Physik der Frauenhofer-Gesellschaft: Stuttgart-Degerloch, Königsträsse 70-74; research station at Holzkirchen (Oberbayern); Dir. Prof. Dr.-Ing. H. REIHER.

Physikalisch-Technische Bundesanstalt (*National Physical and Technical Institute; Bureau of Standards*): Braunschweig, Bundesallee 100; departments for Mechanics, Electricity, Heat, Optics, Acoustics and Atomic Physics; Pres. Prof. Dr.-Ing. M. KERSTEN; incorporates the **Institut Berlin**: 1 Berlin 12, Ernst Abbestrasse 2-12; Dur. Prof. Dr. A. KUSSMANN.

Staatliche Materialprüfungsanstalt (*State Materials Testing Institute*): Darmstadt, Hochschulstrasse 1; Dir. Prof. Dr.-Ing. H. WIEGAND.

Oskar von Miller Institut für Forschung in Wasserbau und Wasserwirtschaft: Obernach, Post Walchensee; laboratory and open-air research station for hydraulic engineering; affiliated to the Munich Technische Hochschule; Dir. Prof. Dr. F. HARTUNG.

Textilforschungsanstalt Krefeld e.V. (*Textile Research Institute*): Krefeld, Frankenring 2, Postfach 1061; f. 1920.

Zentralversuchsstelle für Hochfrequenzforschung (*High Frequency Research*): Nuremberg, Leyherstrasse 56; f. 1943; Dir. Dr.-Ing. KURT HEROLD.

LIBRARIES AND ARCHIVES

AUGSBURG

Staats- und Stadtbibliothek: Schäzlerstr. 25; f. 1537; 325,000 vols., 3,540 MSS., 3,060 incunabula, 16,000 drawings and engravings; Dir. Dr. PAUL GEISSLER.

BAD GODESBERG

Dokumentationsabteilung (Archiv für Hochschulreformfragen) der Westdeutschen Rektorn Konferenz: Ahrstrasse 39 (Westdeutsche Rektorenkonferenz); f. 1954; 6,500 vols., 300 periodicals, 40,000 records and acts; Head Dr. ROLF NEUHAUS.

BAMBERG

Staatliche Bibliothek Bamberg: Jesuitenstr. 2; f. 1611; contains 230,000 vols., including a special collection of old manuscripts (4,500), incunabula (3,400), and *objets d'art*; Chief Librarian Dr. FRIDOLIN DRESSLER; publ. *Katalog der MSS.*

BERLIN

Amerika-Gedenkbibliothek: Berliner Zentralbibliothek: 1-61, Blücherplatz; f. 1952; central public library of West Berlin; 280,000 vols.; Dir. Dr. FRITZ MOSER.

Universitätsbibliothek der Technischen Universität Berlin: Berlin-Charlottenburg 2, Hardenbergstr. 34; 200,000 vols.; Librarian Dr. PAUL KAEGBEIN.

Geh. Staatsarchiv (Stiftung Preuss. Kutturbesitz): Berlin-Dahlem, Archivstrasse 12/14; f. 1598; approx. 75,000 vols.; Dir. Dr. ZIMMERMANN.

Ibero-Amerikanisches Institut: Berlin-Lankwitz, Gärtnerstr. 25-32; f. 1930; dedicated to the Hispanic and Ibero-American nations; 320,000 vols.; Dir. Dr. H.-J. BOCK; publs. *Quellenwerke zur alten Geschichte Amerikas, aufgezeichnet in den Sprachen der Eingeborenen, Monumenta Americana, Bibliotheca Ibero-Americana.*

Internationales Musiker-Brief-Archiv (I.M.B.A.): Charlottenburg, 2; f. 1945; 7,500 books, 8,600 autographs; Dir. Dr. E. H. M. VON ASOW; Vice-Dir. HEDWIG M. VON ASOW; publs. *Veröffentlichungen des Internationalen Musiker-Brief-Archivs, Mitteilungen zur Musiker-Epistolographie 1961 f.*

Kunstbibliothek (formerly **Staatl. Museum**): Berlin-Charlottenburg 2, Jebens-Str. 2; f. 1867; 96,000 vols., including the Lipperheidesche Kostümbibliothek; Dir. Dr. STEPHAN WAETZOLDT.

BONN

Bibliothek des Deutschen Bundestages: Bundeshaus Görresstr. 15; 300,000 vols., 2,454 periodicals, 5,071 official periodicals, 515 newspapers and information pamphlets; special collections: 7,000 photographs, 3,200 vols. law archives, 12,405 maps, 1,633,000 press cuttings, 1,000,000 tape recordings, parliamentary records, election propaganda records; Dir. K. G. WERNICKE.

Stadtarchiv und Wissenschaftliche Stadtbibliothek: Quantiusstrasse 9; f. 1899; 56,974 vols.; Archivist and Librarian Prof. Dr. EDITH ENNEN; publ. *Bonner Geschichtsblatter* (yearly).

Universitätsbibliothek: Koblenserstr. 37-41; f. 1818; contains 780,000 vols.; Dir. Prof. Dr. VIKTOR BURR.

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BREMEN

Bibliothek des Instituts für Schiffahrtsforschung: Holler Allee 32; f. 1954; approx. 12,000 vols. on shipping research, 432 periodicals on shipping, shipbuilders, seaports and sea-borne trade taken, special archives on shipping economy; Dir. Dr. G. A. THEEL.

Staatsarchiv Bremen: Am Dobben 91; Dir. Dr. K. H. SCHWEBEL.

Staatsbibliothek: Breitenweg 44-45; f. 1660; 265,000 vols.; Dir. Dr. WEGENER.

BRUNSWICK

Bibliothek der Biologischen Bundesanstalt für Land-und Forstwirtschaft: Messeweg 11-12; f. 1950; contains approx. 14,000 vols., 800 periodicals, 30,000 reprints; Head Dr. habil. JOHANNES KRAUSE; publs. *Nachrichtenblatt des Deutschen Pflanzenschutzdienstes, Jahresberichte des Deutschen Pflanzenschutzdienstes, Verhandlungen des IV. Internationalen Pflanzenschutz-Kongresses* (2 vols.).

Bibliothek der Technischen Hochschule: Mühlenpfordtstr. 23; f. 1748; contains 176,000 vols.; Dir. Dr. FRITZ MEYEN; publ. *Jahresbericht.*

Stadtarchiv und Stadtbibliothek: Steintorwall 15; f. 1861; 160,000 vols.; Dir. Dr. RICHARD MODERHACK.

CLAUSTHAL-ZELLERFELD

Bibliothek der Bergakademie-Technische Hochschule: Am Feldgraben; f. 1811; contains approx. 60,000 vols., 1,017 periodicals, 4,000 geological maps; Dir. Dr. G. GATTERMANN.

COBURG

Landesbibliothek: Ehrenburg; 275,000 vols.; Dir. Dr. CURT HÖFNER.

COLOGNE

Erzdiözesan- und Dombibliothek: Gereonstr. 2-4; 100,000 vols.; Librarian Direktor WILHELM SCHÖNARTZ.

Historisches Archiv: Gereonskloster 12; f. 1326; records date back to A.D. 875; 25,000 vols.; Dir. Dr. A. GÜTTSCHES; publs. *Mitteilungen aus dem Stadtarchiv von Köln, Deutsche und literarische Handschriften,* etc.

Universitäts- und Stadtbibliothek: Albertus Magnus-Platz; f. 1919; approx. 1,100,000 vols.; Dir. (vacant); publs. *Kölner bibliographische Arbeiten, Rheinische Bibliographie, Ruhrbibliographie.*

DARMSTADT

Hessische Landes- und Hochschulbibliothek Darmstadt: Schloss; f. 16th century; 850,000 vols., 4,220 MSS., 2,063 incunabula, 3,325 musicalia, 1,132,000 German patent papers; Dir. (Vacant).

Hessisches Staatsarchiv: Staatsarchiv, Schloss; f. 1567; Dir. Dr. FRIEDRICH KNOPP.

DORTMUND

Stadt- und Landesbibliothek Dortmund: Hansaplatz; f. 1907; contains about 200,000 out of a former 320,000 vols.; special collection of MSS. and autographs and material on Westphalia; Dir. Dr. HANS M. MEYER.

DÜSSELDORF

Landes- und Stadt-Bibliothek: Grabbeplatz 5-7; f. 1770 by Kurfürst Karl Theodor; contains about 400,000 vols., 710 manuscripts, autographs of 19th and 20th centuries, incunabula and a special collection relating to the poet Heine; Dir. Dr. J. GIESSLER.

Hauptstaatsarchiv Düsseldorf: Prinz-Georg-Str. 78; Dir. Dr. F. W. OEDIGER, Zweigarchiv Kalkum, Schloss-Kalkum, über Düsseldorf-Kaiserwerth.

ERLANGEN

Universitätsbibliothek: Universitätsstr. 4: f. 1743; *c.* 620,000 vols., 507,000 theses, 2,500 MSS., 150 papyri, 2,000 incunabula; Dir. Prof. Dr. F. REDENBACHER.

FRANKFURT A. M.

Städtische und Universitäts-Bibliotheken: Untermainkai 14; Dir. Dr. CL. KÖTTELWESCH.

Stadt- und Universitätsbibliothek: Untermainkai 14; f. 1668; collection of volumes on the humanities; 840,000 vols.

Senckenbergische Bibliothek: Senckenberg-Anlage 27; f. 1763; natural science and medicine; 512,000 vols.

Deutsche Bibliothek: Zeppelinallee 8; f. 1947; 650,000 vols., 20,100 periodicals, published since 1945; Dir. Prof. Dr. KÖSTER; publs. *Deutsche Bibliographie. Wöchentliches Verzeichnis* (weekly), *Halbjahresverzeichnis* (half-yearly), *Das Deutsche Buch* (every two months), etc.

FREIBURG I. BR.

Deutsches Volksliedarchiv (*German Folksong Archive*): Silberbachstr. 13; f. 1914; Dir. Prof. Dr. WILHELM HEISKE; publs. *Deutsche Volkslieder mit ihren Melodien, Jahrbuch für Volksliedforschung, Landschaftliche Volkslieder mit Bildern und Weisen.*

Universitätsbibliothek: Rempartstr. 15; f. 1457; contains about 1.3 million vols.; Dir. Dr. JOSEF BECKMANN.

GIESSEN

Bibliothek der Justus Liebig-Universität Giessen (formerly Bibliothek der Ludwigs-Universität) (*Vereinigte Universitäts- und von Senckenbergische Bibliothek*): Bismarckstrasse 37; f. 1612; 180,000 vols. now available (the library was bombed, only 30,000 vols. were preserved); Dir. Dr. JOSEF SCHAWE.

GÖTTINGEN

Niedersächsische Staats- und Universitätsbibliothek: Prinzenstrasse 1; f. 1737; contains 1,726,232 vols., 9000 MSS:. 6,000 in cunabula; Dir. Prof. Dr. W. M. LUTHER.

HAMBURG

Commerzbibliothek (Bibliothek der Handelskammer Hamburg): Börse, Zimmer 77; f. 1735; contains about 70,000 (formerly 188,000) vols. on law, economics, social science and geography; Dir. Dr. GOTTFRIED KLEIN.

Deutsches Bibel-Archiv: Hamburg 13, Moorweidenstr. 40; f. 1931; history of German translations of the Bible, and its place in German culture; library of 3,000 vols.; Dir. (Vacant); publ. *Bibel und deutsche Kultur* (11 vols. so far).

Hamburgisches Welt-Wirtschafts-Archiv (*Hamburg Archives of World Economy*): Hamburg 36, Poststr. 11; f. 1908; 116 mems.; library of 435,000 vols. and 8,500,000 press cuttings; Dir. Dr. CLODWIG KAPFERER; publs. *Wirtschaftsdienst* (monthly in German and English), *Bibliographie der Wirtschaftspresse* (monthly), *Konjunktur von Morgen* (*fortnightly*).

Staatsarchiv: Rathaus; f. 1267; 60,000 vols.; Dir. Dr. JÜRGEN BOLLAND; publs. *Hamburgisches Urkundenbuch, Veröffentlichungen aus dem Staatsarchiv der Freien und Hansestadt Hamburg.*

Staats- und Universitätsbibliothek Hamburg: Moorweidenstrasse 40 (the former building in Speersort was completely destroyed); f. 1479; approx. 800,000 vols. and 3,000 MSS.; Dir. Prof. Dr. HERMANN TIEMANN; publs. *Neuerwerbungen der Staats- und Universitäts-Bibliothek Hamburg* (monthly), *Veröffentlichungen aus der Staats- und Universitäts-Bibliothek Hamburg.*

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HANOVER

Bibliothek der Technischen Hochschule: Welfengarten 1; f. 1831; contains 214,000 vols., drawings, woodcuts, etchings and maps; Dir. Prof. Dr. WILHELM GRUNWALD.

Niedersächsische Landesbibliothek (*formerly* **Königliche und Provinzialbibliothek**): Am Archive 1; f. 1650; 380,000 vols., 4,230 MSS.; Dir. Dr. THEODOR ULRICH.

HEIDELBERG

Geomedizinische Forschungsstelle der Heidelberger Akademie der Wissenschaften: Heidelberg, Kaiserstr. 14; f. 1952; 50 mems.; library of 3,000 vols.; Dirs. Prof. Dr. RODENWALDT, Prof. Dr. JUSATZ; publs. *World Atlas of Epidemic Diseases* (3 vols. 1952-1961).

Historische Bibliothek des Kurpfälzischen Museums: Hauptstr. 97; 12,000 vols.; Dir. Dr. HERBERT DERWEIN.

Universitätsbibliothek: Plöck 107-109; f. 1390; 878,000 vols.; Dir. Prof. Dr. CARL WEHMER.

JÜLICH

Arbeitsgemeinschaft der Spezialbibliotheken: Zentralbibliothek der Kernforschungsanlage; Jülich; Dir. Dr. G. REICHARDT.

KARLSRUHE

Badische Landesbibliothek: Maximilianstr. 1; f. 1500; 300,000 vols.; Dir. Dr. FRANZ SCHMITT.

Badisches General-Landesarchiv: Nördliche Hildapromenade 2; f. 1803; 120,000 documents, 42,000 MSS., 1,000,000 report files; Dir. Dr. PAUL ZINSMAIER; publ. *Zeitschrift für die Geschichte des Oberrheins.*

Bibliothek der Technischen Hochschule Fridericiana: Hertzstr. 16; f. 1832; 170,000 vols.; Dir. Prof. Dr. R. OEHME.

KASSEL

Murhardsche Bibliothek der Stadt Kassel und Landesbibliothek: Brüder Grimm-Platz 4a; f. 1863; contains 260,000 vols., 4,400 MSS., 6,800 music; 10,000 maps, 250,000 patent specifications; Dir. Dr. LUDWIG DENECKE.

KIEL

Bibliothek des Instituts für Weltwirtschaft an der Universität: Mecklenburger Str. 2-4, Kiel-Wik; 780,000 vols.; Librarian Dr. E. HEIDEMANN.

Schleswig-Holsteinische Landesbibliothek: Wik-Warnemünderstrasse 16/18; f. 1873; 76,000 vols.; Librarian Dr. OLAF KLOSE.

Universitätsbibliothek: Brunswikerstr. 2A; f. 1665; 460,000 vols., 338,750 theses; Dir. Dr. SCHMIDT-KÜNSEMÜLLER; Librarians Dr. PAUL KRETSCHMANN, Dr. ULRICH JOHANSSEN, Dr. OTFRIED WEBER, Dr. HANS SEYFFERT, Dr. MAX REICHEL, Dr. JOACHIM NEUMANN.

KOBLENZ

Bundesarchiv: Am Wöllershof 12; f. 1952; central archives of the Federal Republic; Dir. Dr. KARL G. BRUCHMANN.

LUDWIGSBURG

Staatsarchiv: Schloss; f. 1868; Recorder Dr. WALTER GRUBE.

MAINZ

Stadtbibliothek (*City Library*): Rheinallee 3, 3/10; f 1477 as University Library, taken over by the City of Mainz in 1806; 375,000 vols., 2,942 incunabula, 1,122 MSS.; Dir. Dr. JÜRGEN BUSCH; publs. *Mainzer Zeitschrift, Beiträge zur Geschichte der Stadt Mainz.*

MANNHEIM

Wissenschaftliche Stadtbibliothek (*Municipal Scientific Library*): f. 1869; approx. 200,000 vols.; contains European and American printed books of 15th century to the present; Dir. Dr. HERBERT MEYER.

MARBACH A. NECKAR

Bibliothek des Schiller-Nationalmuseums: Schillerhohe 10; 410,000 vols.

MARBURG

Forschungsinstitut für deutsche Sprache "Deutscher Sprachatlas" an der Philipps-Universität Marburg (*Central Research Institute for German, connected with the University of Marburg*): Marburg/Lahn, Kaffweg 3; f. 1876; 54 mems.; library of 11,000 vols., language maps and atlases; Dir. Prof. Dr. L. E. SCHMITT; publs. *Deutscher Sprachatlas* (128 maps 1926-1956), *Deutscher Wortatlas* (13 vols. 1951-1963), *Regionalatlanten des deutschen Sprachgebiets* (3 vols. so far), *Deutsche Dialektgeographie* (68 vols. 1908-1963), *Deutsche Wortforschung in europäischen Bezügen* (4 vols. so far), *Zeitschrift für Mundartforschung* (annually).

Staatsbibliothek (**Stiftung Preutsicher Kulturbesitz**): Marburg/Lahn, Universitätsstr. 25; f. 1946; 2,000,000 vols., 2,710 incunabula, 34,500 manuscripts, 300,000 autographs, 263,000 maps; includes the collection of the former Prussian State Library; Dir. Dr. Ing. L. BORNGÄSSER; publ. *Jahreberichte.*

Universitätsbibliothek: Friedrichsplatz 15; f. 1527; contains about 500,000 vols., 450,000 theses, 2,529 manuscripts; Dir. Prof. Dr. WOLF HAENISCH.

MUNICH

Bayerische Staatsbibliothek: Ludwigstrasse 16; f. 1558; more than 2,000,000 vols.; *c.* 50,000 MSS., *c.* 20,000 incunabula; Gen. Dir. Dr. GUSTAV HOFMANN.

Bayerisches Hauptstaatsarchiv: Arcisstr. 12; f. 13th century; reorganised 1799; library of 120 000 vols.; comprises, (1) Allgemeines Staatsarchiv, Arcisstr. 12, 525,000 parchment documents, 560,000 records and acts, 18,000 maps and plans; (2) Geheimes Staatsarchiv, Leonrodstr. 57; 9,200 parchment documents, 191,000 records and acts, 500 maps and plans; (3) Geheimes Hausarchiv, Arcisstr. 12, 10,000 parchment documents 113,000 records and acts; (4) Kriegsarchiv, Leonrodstr. 57, the former Heeresarchiv, 6,500 parchment documents, 865,000 records and acts, 500,000 maps and plans, 590,000 photos; (5) Staatsarchiv für Oberbayern, Himbselstr. 1a, 1,000 parchment documents 1,270,000 records and acts, 1,700 maps and plans; Gen. Dir. Prof. Dr. HEINZ LIEBERICH; publs. *Archivalische Zeitschrift, Bayer. Archivinventare, Mitt. f. d. Archivpflege in Bayern.*

Bibliothek der Technischen Hochschule: Arcisstr. 21; f. 1868; 230,000 vols.; Dir. Dr. J. WIEDER.

Bibliothek des Deutschen Museums: Museumsinsel 1, Munich 26; 410,000 vols.; Dir. Prof. Dr. FRIEDRICH KLEMM.

Bibliothek des Deutschen Patentamtes: Zweibruckenstr. 12, Munich 2; 400,000 vols.; Dir. Dr. NORBERT FISCHER.

Bucharchiv München (**Institut für Buchwissenschaften**): Munich 15, Pettenkoferstr. 18.

Internationale Vereinigung der Musik-Bibliotheken—Deutscher Zweig: Salvator Pl. 1, Munich; Pres. Dr. HANS HALM; Sec.-Gen. Dr. ALFONS OTT.

Stadtarchiv München: Winzererstrasse 68; f. 1893; 35,000 vols., 38,000 documents; Dirs. Dr. H. VOGEL, Dr. M. SCHATTENHOFER.

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Stadtbibliothek: 2 Marienplatz 8 (Rathaus); 400,000 vols.; Dir. Dr. HANS SCHMEER.

Universitätsbibliothek: Geschw.-Scholl-Platz 1; f. 1472; 820,000 vols., 4,234 MSS.; Dir. Dr. MAX HACKELSPERGER.

MÜNSTER

Universitätsbibliothek: Bispinghof 24/25; f. 1773, refounded 1902; contains about 840,000 vols.; Dir. GERHARD LIEBERS.

NUREMBERG

Bayer. Staatsarchiv Nürnberg: Archivstr. 17; Dir. Dr. FRITZ SCHNELBOEGL.

Bibliothek des Germanischen National Museums: Untere Grasergasse 18; Dir. Dr. STEPHAN WAETZOLDT.

Bibliothek der Hochschule für Wirtschafts- und Sozialwissenschaften: Egidienplatz 23; contains about 70,000 vols.; Dir. Dr. JULIE POEHLMANN.

Landeskirchliches Archiv Nürnberg: Veilhofstrasse 28.

Stadtbibliothek: Egidienplatz 23; Dir. Dr. KARLHEINZ GOLDMANN.

OLDENBURG I. O.

Landesbibliothek Oldenburg: Ofenerstr. 15; f. 1792; *c.* 225,000 vols., 319 MSS.; Dir. Dr. W. G. FISCHER; Librarian Dr. W. BARTON.

REMAGEN

Bundesanstalt für Landeskunde, Zentralarchiv für Landeskunde von Deutschland (*Federal Institutes and Central Archives for the Study of German Customs and Regions*): Bergstrasse 38; f. 1941; 40,000 vols., 1,700 periodicals, maps (245,000 sheets), 670 atlasses; Dir. Prof. Dr. E. MEYNEN.

SAARBRÜCKEN

Universitätsbibliothek: St. Johanner Stadtwald (medical faculty in Homburg, Saar); f. 1950; 280,000 vols., 50,000 theses; Dir. Dr. HANS CORDES.

SCHWERIN I. MECKL.

Mecklenburgische Landesbibliothek: Am Dom 2; f. 1779; formerly Regierungsbibliothek; 400,000 vols.; Dir. Dipl. GEWI MEIRITZ.

SPEYER

Pfälzische Landesbibliothek: Johannesstr. 22A; f. 1921; contains 325,000 vols. on all subjects, with special reference to the Palatinate and the Saar; Dir. (Vacant); Librarians HANS WINTERSCHEIDT, HEINZ PFLAUME, HELMUT SCHWITZGEBEL.

STUTTGART

Bibliothek der Technischen Hochschule: Holzgartenstr. 16; contains about 170,000 vols., 50,000 theses, and 2,000 German and foreign periodicals; Dir. Dr. MANFRED KOSCHLIG.

Bibliothek des Instituts für Auslandsbeziehungen: Charlottenplatz 17; f. 1917; 185,000 vols., 10,000 maps, 3,000 periodicals regularly; Dir. ELIZABETH SCHMIDT.

Bibliothek für Zeitgeschichte-Weltkriegsbücherei: Urbanstr. 19; f. 1915; current history, political sciences, military sciences, especially concerning World Wars I and II; 140,000 vols. and special collections (photographs, maps, leaflets, stamps, etc.); Dir. Dr. JÜRGEN ROHWER; publs. *Jahresbibliographie, Schriftenreihe.*

Haupt-Staatsarchiv: Gutenbergstr. 109; f. 1500; Dir. Dr. MAX MILLER; publs. *Veröffentlichungen der Württ. Archivverwaltung, Vol.* 1-5, *Württ. Archivinventare*, 1-24, *Veröffentlichungen der Staatlichen Archivverwaltung Baden-Württemberg*, Vol. 1-8, *Inventare nichtstaatlicher Archive*, Vol. 1-8.

Landesgewerbeamt Baden-Württemberg, Bibliothek für Technik Kunst u. Wirtschaft: Kanzleistr. 19; f. 1848; 42,000 vols.; German, Swiss and Austrian patents and American and British abstracts; Dir. Dr. GERHARD WECHSLER.

Bücherei der Staatlichen Hochschule für Musik: Urbansplatz 2; f. 1857; 15,000 vols.; Dir. Prof. HERMANN REUTTER; Librarian Dr. URSULA LEHMANN.

Stadtarchiv und Rathausbücherei Stuttgart: Im Rathaus, Marktplatz 1; archives f. 1928; 55,000 vols., thousands of documents; large collection of maps, pictures and drawings, coins and medallions; Dir. Dr. HERMANN VIETZEN; publ. *Veröffentlichungen des Archivs der Stadt Stuttgart.*

Württembergische Landesbibliothek: Urbanstrasse 19; f. 1765; 790,000 vols. and pamphlets on all branches of knowledge; many incunabula; large collection of old Bibles and several thousand MSS.; Dir. WILHELM HOFFMANN, PH.D.

TRIER (TRÈVES)

Bibliothek des Priesterseminars Trier: Jesuitenstr. 13; f. 1805; contains about 120,000 vols. on philosophy and theology, 190 theological manuscripts, and 70 incunabula; Librarian HERMANN RIES.

Stadtbibliothek Trier: Jesuitenstrasse 13; developed from the former Jesuit and University Library and opened to the public in 1775; contains 200,000 books, 4,000 manuscripts and about 2,500 incunabula; scientific library; Chief Librarian Dr. HUBERT SCHIEL; publ. *Trierisches Jahrbuch.*

TÜBINGEN

Universitätsbibliothek: Wilhelmstr. 32; f. in last quarter of 15th century; contains 750,000 vols., 443,000 theses; Dir. Dr. W. GEBHARDT.

WIESBADEN

Bibliothek des Statistischen Bundesamtes: Gustav-Stresemann-Ring 11; f. 1948; contains 75,000 vols. and 3,000 statistical periodicals; Chief Librarian Dr. L. KAISER; publ. *Zugangsverzeichnisse.*

Hauptstaatsarchiv Wiesbaden: Mainzer Str. 80; Dir. Dr. OTTO RENKHOFF.

Nassauische Landesbibliothek: Rheinstr. 55-57; f. 1813; contains about 365,000 vols., manuscripts and incunabula; Dir. Dr. FRANZ GÖTTING.

WOLFENBÜTTEL

Herzog-August Bibliothek: Lessingplatz 1; f. 1604; contains 400,000 vols., 8,000 manuscripts, 4,000 incunabula; Dir. Dr. ERHART KÄSTNER.

Niedersächsisches Staatsarchiv: Wolfenbüttel, Forstweg 2; f. 16th century; official library, containing documents and records of the province of Brunswick; *c.* 50,000 vols.; Dir. Dr. HERMANN KLEINAU.

WÜRZBURG

Universitätsbibliothek: Domerschulgasse 16; f. 1619; contains about 400,000 vols. out of a former 500,000, incunabula, manuscripts, papyri; special Franconian collection; Dir. Dr. MAX PAUER.

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MUSEUMS AND ART GALLERIES

Aachen

Internationales Zeitungsmuseum der Stadt Aachen (*International Newspaper Museum*): Aachen, Pontstr. 13; f. 1885; collection of over 100,000 newspapers; Dir. Bernhard Poll.

Berlin

Staatliche Museen der Stiftung Preussischer Kulturbesitz (West Berlin): Berlin-Dahlem, Arnimallee 23; Gen. Dir. Prof. Dr. L. Reidemeister; supervises the following museums and collections:

Agyptische Abteilung (*Egyptian Antiquities*): Dir. Dr. W. Kaiser.

Antikenabteilung (*Antiquities*): Dir. Dr. A. Greifenhagen.

Islamische Abteilung (*Islamic Art and Antiquities*): Dir. Prof. Dr. K. Erdmann.

Skulpturen Abteilung (*Sculpture Department*): Dir. Prof. Dr. P. Metz.

Gemäldegalerie (*Gallery of Old Masters' Paintings*): Dir. Dr. I. Kühnel.

Nationalgalerie (*National Gallery*): Dir. Prof. Dr. L. Reidemeister.

Kupferstichkabinett (*Department of Prints and Drawings*): Dir. Dr. H. Möhle.

Kunstgewerbemuseum (*Applied Arts Museum*): Dir. Dr. A. Schönberger.

Kunstbibliothek (*Art Library*): Dir. Dr. S. Waetzoldt.

Museum für Vor- und Frühgeschichte (*Prehistorical Museum*): Dir. Prof. Dr. O. F. Gandert.

Museum für Volkekunde (*Ethnological Museum*): Dir. Dr. L. Pretzell.

Indische Kunstabteilung: Dir. Dr. H. Härtel.

Museum für Deutsche Volkskunde: Dir. Dr. L. Pretzell.

Ostasiatische Kunstabteilung (*Collection of Far Eastern Art*): Dir. Dr. R. Goepper.

Museumsbibliothek (*Museum Library*): Frau Dr. D. Westphal.

Gipsformerei (*Plaster Cast House*): Keeper E. Kretschmann.

Galerie des 20. Jahrhunderts: Berlin-Charlottenburg, Jebensstrasse 2; Dir. Dr. Adolf Jannasch.

Verwaltung der Staatlichen Schlösser und Gärten, West-Berlin (*Administration of the Prussian Castles and Gardens*): Schloss Charlottenburg; the administration controls Charlottenburg Castle, Grunewald Hunting Castle (with collection of paintings) and Peacock Island (Castle and Park); Dir. Dr. Margarete Kühn.

Bayreuth

Richard - Wagner - Gedenkstätte: Glasenappweg, Neues Schloss; f. 1926; Dir. Dr. Joachim Bergfeld.

Bielefeld

Deutsches Spielkarten-Museum in Bielefeld e.V.: Sparrenburg; Dir. Eberhard Pinder.

Bonn

Beethoven-Haus: Bonngasse 20; f. 1889; Beethoven's birthplace; Dir. H. J. Abs.

Beethoven-Archiv: Bonngasse 18; f. 1927; Dir. Prof. Dr. Schmidt-Görg.

Rheinisches Landesmuseum in Bonn (*Rhineland Museum in Bonn*): Colmantstr. 16; f. 1820; prehistoric, Roman and Frankish antiquities of the Rhineland; Rhenish sculpture, painting and applied arts up to the 19th century; Netherland painting; 30,000 vols.; Dir. Dr. Harald v. Petrikovits; Heads of Depts.: Dr. Fritz Goldkuhle (Medieval and Modern Art Dept.), Dr. Jürgen Driehaus (Prehistory), Dr. Wilhelmine Hagen (Numismatics), Waldemar Haberey (Roman Dept.), Dr. Adolf Herrnbrodt (Excavations), Dr. Hugo Borger (Medieval Ecclesiastical Archaeology), Dr. Ingeborg Kiekebusch (Archives); publs. *Bonner Jahrbücher des Rheinischen Landesmuseums und des Vereins von Altertumsfreunden im Rheinlande* (since 1842).

Städtische Kunstsammlungen: Rathausgasse; pictures from the former Museum Obernier; collections of 18th- and 19th-century and modern works; Dir. Dr. Walter Holzhausen.

Zoologisches Forschungsinstitut und Museum Alexander Koenig (*Zoological Research Institute and Alexander Koenig Museum*): Koblenzerstr. 150-164; f. 1929; macroscopic zoology—vertebrates and insects; library of ca. 25,000 vols.; Dir. Prof. Dr. M. Eisentraut; publ. *Bonner Zoologische Beiträge.*

Bremen

Focke-Museum (*District Museum for Art and Culture*): Schwachhauser Heerstr. 240; Dir. Dr. Werner Kloos.

Kunsthalle Bremen: Am Wall 207; f. 1823; European paintings, sculpture, prints and drawings from the 15th century; Dir. Dr. Günter Busch.

Überseemuseum: Bahnhofsplatz; Dir. Dr. Hermann Friedrich.

Brunswick

Herzog Anton Ulrich-Museum (former Landesmuseum): Museumstr. 1; f. 1754; collection includes old pictures, prints and drawings, medieval art, ceramics, carvings in ivory, collection of lace, coins, etc.; Dir. Dr. G. Adriani; Curators Dr. H. W. Schmidt, Dr. B. Hedergott; publs. *Kurzes Verzeichnis der Gemäldesammlung, Zeichnungen alter Meister, Die Braunschweiger Elfenbeinsammlung, Spitzen von der Renaissance bis zum Empire, Corpus vasorum antiquorum, Kunsthefte des Herzog Anton Ulrich-Museums* 1-10, *Geschichte des Herzog-Anton-Ulrich-Museums.*

Städtisches Museum: Steintorwall 14; f. 1861; collections illustrate topography, history and culture of the town; 19th and 20th century paintings, cabinet of medals (all periods and territories, with about 80,000 pieces); ethnographical collection; 11,000 vols.; Curator Dr. Bilzer; publs. *Werkstücke aus Museum, Archiv und Bibliothek der Stadt Braunschweig, Arbeitsberichte aus dem Städtischen Museum, Catalogues.*

Coblenz

Rhein-Museum: Rizzastr. 12; f. 1912, reorganised 1947; history of the Rhine; 300 mems.; Pres. Heinrich Casper; Sec. Dr. Ing. M. Eckoldt; publ. *Beiträge zur Rhein-Kunde* (yearly).

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COLOGNE

Museum für Ostasiatische Kunst: Hansaring 32A; f. 1913; Dir. Prof. WERNER SPEISER.

Kölnisches Stadtmuseum im Zeughaus: Zeughausstr. 1-3; f. 1888; reopened 1953; Dir. Dr. FRANZ BRILL; Curators Dr. WERNER JÜTTNER, Dr. M. L. SCHWERING.

Kunstgewerbemuseum: Hansaring 32A; f. 1888; Head Dr ERICH KÖLLMANN.

Rautenstrauch-Joest-Museum: Ubierring 45; f. 1901; 15,000 vols.; ethnological museum; Dir. Dr. W. FROEHLICH; Asst. Heads Dr. W. STOEHR, Dr. J. BOLZ; publ. *Ethnologica, Neue Folge.*

Römisch-Germanisches Museum: Breitestr. 103-135; Dir. Dr. OTTO DOPPELFELD; Curators Dr. PETER LA BAUME, Dr. FRIED MÜHLBERG, Dr. WOLFGANG BINSFELD, Dr. SIEGFRIED GOLLUB; publ. *Kölner Jahrbuch für Vor- und Frühgeschichte.*

Schnütgen-Museum: Cäcilienkloster 19; f. 1906; 6,000 vols.; religious art of the middle ages; Dir. Prof. Dr. HERMANN SCHNITZLER.

Wallraf-Richartz-Museum: An der Rechtschule; f. 1824; paintings, modern sculpture, prints, library; Dir. Prof. Dr. GERT VON DER OSTEN; publ. *Wallraf-Richartz-Jahrbuch.*

DARMSTADT

Kunst- und Histor., Praehistor., Geolog.-Palaeontolog. und Zoolog. Sammlungen des Hessischen Landesmuseums: Friedensplatz 1; f. 1790; Dir. Dr. GERHARD BOTT; Curators Dr. GISELA BERGSTRÄSSER, Dr. K. DEGEN, Dr. H. RAGALLER, Dr. W. BEEH, Dr. G. SCHEER, Dr. R. HEIL, Prof. Dr. HEINZ TOBIEN; publs. *Museumsführer 1908, Verzeichnis der Gemälde 1914, Neuerwerbungen 1939-49, Die graph. Sammlung 1955, Frühmittelalterliches Kunsthandwerk 1955, Rundgang durch die Gemäldegalerie 1959.*

Schlossmuseum: Residenzschloss; f. 1920; Holbein Madonna, furnished rooms, ceremonial carriages and harness; Owner LUDWIG, Prinz VON HESSEN UND BEI RHEIN; Dir. ERNST HOFMANN.

Grossherzogliche Porzellansammlung: Prinz-Georg-Palais, Im Schlossgarten 7; f. 1907; European porcelain, paintings, furniture, faïence; Owner LUDWIG, Prinz VON HESSEN UND BEI RHEIN; Curator GUDRUN ILLGEN.

Jagdmuseum Schloss Kranichstein: Schloss Kranichstein; f. 1918; pictures, hunting trophies and weapons, furnished rooms; owned by STIFTUNG HESSISCHER JÄGERHOF; Dir. ERNST HOFMANN.

DORTMUND

Museum für Kunst und Kulturgeschichte Dortmund (*Dortmund Museum of Art and Cultural History*): Schloss Cappenberg über Lünen; f. 1883; collections include medieval Westphalian sculpture, Westphalian furniture of 15th-19th centuries, German and European objets d'art, etc.; library of 3,000 vols.; museum building in Dortmund destroyed during Second World War; Dir. Dr. ROLF FRITZ.

DÜSSELDORF

Kunstmuseum der Stadt Düsseldorf: Ehrenhof 5; Dir. (Vacant).

Löbbecke-Museum und Aquarium: Museumsbunker am Zoo; Dir. H. SIELOFF.

Neandertal-Museum (*Museum of Prehistory: Ice-Age Preserve*): 402 Mettmann (Düsseldorf), Neandertal, Thekhauserquall 2.

ESSEN

Museum Folkwang: Bismarckstr. 64; Dir. Dr. H. KÖHN.

FLENSBURG

Städtisches Museum, Flensburg (*Municipal Museum*): f. 1878; contains about 20,000 exhibits, mainly arts and crafts, peasant art and prehistory of Schleswig; library of *c.* 12,000 vols.; Dir. (Vacant); publs. *Nordelbingen, Beiträge zur Heimatforschung in Schleswig-Holstein, Hamburg und Lübeck* (Vols. 1-27, 1923-59).

FRANKFURT A.M.

Natur-Museum und Forschungs-Institut Senckenberg: Senckenberg-Anlage 25; f. 1817; natural history; Dir. Dr. WILHELM SCHÄFER; Chief Curators Prof. Dr. RICHARD KRÄUSEL, Dr. WOLFGANG STRUVE, Dr. ADOLF ZILCH, Dr. HANS-ERICH REINECK; publs. *Abhandlungen der SNG, Natur und Museum, Senckenbergiana biologica, Senckenbergiana lethaea, Archiv für Molluskenkunde, Senckenberg-Bücher, Aufsätze und Reden der Senckenbergischen Naturforschenden Gesellschaft.*

Städelsches Kunstinstitut: Dürerstrasse 2; f. 1817; paintings, drawings, prints, sculpture; Dir. Prof. Dr. ERNST HOLZINGER.

Städtische Museen: comprise (1) Städtische Galerie, Schaumainkai 63 (Painting), Schaumainkai 71, Liebieghaus (Sculpture; building damaged, several rooms reopened in August 1955), f. 1907, Dir. Prof. Dr. ERNST HOLZINGER, Curator Dr. KURT SCHWARZWELLER; (2) Museum für Kunsthandwerk, Zeil 85-93 (current exhibitions), f. 1877, Dir. Dr. P. W. MEISTER; (3) Historisches Museum, Saalgasse 31, historic objects; f. 1878, Dir. Dr. H. STUBENVOLL; Curator Dr. L. Baron DÖRY-JABOHÁZA; (4) Freies Deutsches Hochstift-Frankfurter Goethe Museum, Gr. Hirschgraben 23, f. 1863 (now restored); (5) Museum für Völkerkunde, Leibigstr. 41, f. 1904 (museum destroyed, collection saved), Dir. Prof. Dr. ADOLF JENSEN, Curators Dr. H. NIGGEMEYER, Dr. KARIN HISSINK; (6) Museum für Vor- und Frühgeschichte, Justinianstr. 5, f. 1937, prehistoric and Roman objects from the Frankfurt area; Dir. Dr. ULRICH FISCHER.

FREIBURG IM BREISGAU

Städtische Sammlungen (*Municipal Collections*): Salzstr. 32; f. 1862; the collections comprise Augustinermuseum, Folk-lore, Natural History, and early and pre-History; library of ca. 25,000 vols.; Dir. Dr. H. GOMBERT.

GIESSEN

Oberhessisches Museum und Gail'sche Sammlungen der Stadt Giessen: Asterweg 9; f. 1878; palæolithic collection, first Middle European flint tools; archæological collections and treasures of Roman-German and Hessian Franconian culture; oil paintings, watercolours and copperplate engravings of present century; Dir. Dr. HERBERT KRUEGER.

GÖTTINGEN

Städtisches Museum (*Municipal Museum*): Ritterplan 7; f. 1889; prehistory and early history, ecclesiastical art, history of Göttingen and the University, etc.; library of 4,000 vols.; Dir. Dr. WALTHER HELLIGE.

HAMBURG

Hamburgisches Museum für Völkerkunde und Vorgeschichte: Binderstr. 14; f. 1878; library of 30,000 vols.; Dir. Prof. Dr. ERHARD SCHLEISIER; Curators of Depts.: Dr. K. DITTMER (Africa), Dr. W. HABERLAND (America), Dr. W. BIERHENKE (Eurasia), Dr. R. SCHRÖTER (Far East),

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Dr. H. TISCHNER (Indonesia-Oceania), Prof. Dr. H. J. EGGERS (Prehistory); publs. *Mitteilungen aus dem Museum für Völkerkunde in Hamburg, Monographien zur Völkerkunde, Archaeologia geographica, Wegweiser zur Völkerkunde, Beiträge zur mittelamerikanischen Völkerkunde.*

Kunsthalle: Glockengiesserwall; f. 1850; paintings, sculpture, drawings, engravings, coins and medals; library of 40,000 vols.; Dir. Prof. Dr. ALFRED HENTZEN.

Museum für Hamburgische Geschichte: Holstenwall 24; f. 1839; history of Hamburg, library, coins, etc.; Dir. Prof. Dr. WALTER HÄVERNICK; publs. *Mitteilungen aus dem Museum, Jahresberichte des Museums, Führer durch das Museum, Ehrengabe des Museums für Hamburgische Geschichte zur Feier seines hundertjährigen Bestehens, Hamburger Beiträge zur Numismatik, Numismatische Studien, Beiträge zur Deutschen Volks-und Altertumskunde, Hammaburg.*

Museum für Kunst und Gewerbe: Steintorplatz; f. 1877; Dir. Prof. Dr. LISE LOTTE MÖLLER; publs. *Jahrbuch der Hamburger Kunstsammlungen Bilderhefte* 1-6, 1 *Islamische Keramik*, 2 *Majolika*, 3 *Mittelalterl. Bronzen*, 4 *Japan. Holzschitte.*

HANOVER

Kestner-Museum: Trammplatz 3; opened 1889; Egyptian, Greek, Etruscan and Roman objets d'art, and medieval art; illuminated MSS., incunabula, handicrafts of 15th to 18th centuries, prints and drawings of 15th to 20th centuries, ancient, medieval and modern coins, medals; Dir. Dr. IRMGARD WOLDERING; Curator Dr. CHRISTEL MOSEL; Asst. Curator Dr. MARGILDIS SCHLÜTER; publs. *Ausgewählte Werke ägyptischer Kunst 1958, Erwerbungen 1952-55, Die Glassammlung 1957, Griechische Münzen 1958, Niederländische Handzeichnungen, 1960, Wiegendrucke der Sammlung Culemann 1963.*

Niedersächsisches Landesmuseum Hannover: Am Maschpark; f. 1852; art, natural history and prehistory sections; library of 19,500 vols.; Dirs. Dr. F. STUTTMANN (also Dir. Art Section), Dr. W. ASMUS (Prehistory), Prof. Dr. STEINIGER (Natural History).

Niedersächsisches Heimatmuseum der Landeshaupstadt Hanover (*Lower Saxon Fatherland Museum of Hanover*): Prinzenstrasse 9; f. 1903 as Fatherland Museum, 1937-50 Niedersächsisches Volkstumsmuseum; three sections: Lower Saxon Folklore, History of the City of Hanover, and History of the Kingdom of Hanover up to 1866; library of 8,000 vols.; Dir. Dr. HELMUT PLATH.

HEIDELBERG

Kurpfälzisches Museum der Stadt Heidelberg: Hauptstr. 97; f. 1810; Dir. Dr. GEORG POENSGEN.

HILDESHEIM

Roemer-Pelizæus-Museum: Am Steine 1; Dir. Dr. HANS KAYSER; comprises:

Pelizæus-Museum: f. 1907; Egyptian antiquities and collections of Greek terra-cottas and sculptures from Egypt; library of 3,500 vols.

Roemer-Museum: f. 1844; geology, palæontology, zoology, botany, prehistory, ethnography, etc.; library of 3,000 vols.

KARLSRUHE I. BADEN

Badisches Landesmuseum: Schlossplatz 1; f. 1919; collection includes prehistoric, Greek and Roman antiquities, medieval, renaissance and baroque sculpture, works of art and coins, collection of Turkish trophies; Dir. Prof. Dr. RUDOLF SCHNELLBACH.

Landessammlungen für Naturkunde (*State Natural History Collections*): Erbprinzenstr. 13; f. 1751; botany, zoology, mineralogy, geology; library of *c.* 10,000 vols.; Dir. Dr. E. OBERDORFER; publ. *Beiträge zur naturkundlichen Forschung in Südwestdeutschland.*

Schaffelmuseum: Bismarckstr. 24; f. 1926; Dir. Dr. SIEGRIST.

Staatliche Kunsthalle: Hans-Thoma-Strasse 2; f. 1803; German, Dutch, Italian and French paintings, 15th to 20th century; also print room; about 30,000 engravings and drawings; Dir. Dr. JAN LAUTS.

KASSEL

Brüder Grimm-Museum: Weinbergstr. 6; f. 1960; preservation of works of Jacob, Wilhelm and Ludwig Emil Grimm; archives of Brüder-Grimm Gesellschaft; collection of works by the brothers of the Murhardschen Bibliothek, Kassel and the Landesbibliothek; Dir. Dr. LUDWIG DENECKE.

KONSTANZ

Rosgarten Museum: Rosgartenstr. 3-5; f. 1869; central museum for Lake Constance area; prehistoric, early historic, and Roman collection; medieval and modern objets d'art, natural history, etc.; library of *c.* 1,000 vols.; Curator S. v. BLANCKENHAGEN.

LÜBECK

Museen für Kunst und Kulturgeschichte (*Museums for Art and Cultural History*): Verwaltung, Düvekenstr. 21; Dir. Dr. FRITZ SCHMALENBACH.

St. Annen-Museum: St. Annenstr. 13-15; Late Gothic convent, built 1502-1515; Medieval ecclesiastical art; domestic art from Middle Ages to modern times.

Behnhaus: Königstr. 11; museum of 19th- and 20th-century art in a late 18th-century patrician house.

Holstentor: built 1477; museum for the history of the city.

Katharinenkirche: 14th century. formerly Franciscan monasteries church. Casts of medieval sculptures of Lübeck artists in Scandinavia.

MAINZ

Altertumsmuseum und Gemäldegalerie der Stadt Mainz: Grosse Bleiche 49-51; f. 1803; library of 4,000 vols.; Dir. Dr. K. H. ESSER; publ. *Mainzer Zeitschrift.*

Gutenbergmuseum: Liebfrauenplatz 5; f. 1900, re-opened 1962; world museum of typography; library of 20,000 vols.; Dir. Prof. Dr. HELMUT PRESSER.

Münzsammlung (*Coin Collection*): Rheinallee 3/10 ;f. 1784; Dir. Dr. JÜRGEN BUSCH.

Naturhistorisches Museum Mainz (*Natural History Museum*): Mitternachtsplatz; f. 1834; palaeontology of the Mainz basin, zoology, mineralogy, botany; library of 900 vols.; Dir. Dr. H. A. BRÜNING.

Römisch-Germanisches Zentralmuseum: Ernst Ludwig Platz (Kurfürstliches Schloss); f. 1852; Dir. Prof. Dr. K. BÖHNER; publs. *Kataloge, Wegweiser, Jahrbuch, Monographien, Technische Beiträge zur Archäologie.*

MANNHEIM

Städtische Kunsthalle: Moltkestr. 9; f. 1909; Dir. Dr. HEINZ FUCHS.

Reiss-Museum (Städtische Museen): Zeughaus, C.5; Castle Museums and Museums of Ethnology and Natural History; Dir. Dr. GUSTAF JACOB.

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MARBURG/LAHN

Universitätsmuseum für Kunst und Kulturgeschichte: Biegenstr. 11, im Ernst von Hülsen-Haus; f. 1927; Dir. Dr. CARL GRAEPLER.

MUNICH

Antikensammlungen: comprise: (1) Glyptothek König Ludwigs I von Bayern, Königsplatz 3, f. 1830; (2) Museum Antiker Kleinkunst, Königsplatz 1 (Prinz Carl-Palais), f. 1566; neither museum is yet fully open, but since 1948 exhibitions from both museums are being held in the Prinz Carl-Palais; Dir. Dr. D. OHLY.

Bayerisches Nationalmuseum: Munich 22, Prinzregentenstr. 3; f. 1855; collections of Fine Arts, especially of sculpture and of decorative Arts from Southern Germany; Gen. Dir. Prof. Dr. THEODOR MÜLLER; special departments:

Neue Sammlung: modern industrial arts and crafts; Dir. HANS ECKSTEIN.

Prähistorische Staatssammlung: prehistoric antiquities from Southern Germany; Dir. HANS-JORGEN KELLNER.

Bayerische Staatsgemäldesammlungen: Meiserstr. 10; Dir.-Gen. Prof. Dr. K. MARTIN; Chief Curators Dr. K. BUSCH, H. LOHE (Restoring Dept.), Prof. Dr. R. OERTEL, Dr. C. ALTGRAF SALM, Dr. C. WOLTERS; Curators L. CREMER, Dr. H. SOEHNER, Dr. S. WICHMANN; Museum Assessor Dr. E. BROCHHAGEN; Chemist Dr. H. KÜHN; comprising: (1) Alte Pinakothek, Barerstr. 27, f. 1836, Old Masters; (2) Neue Pinakothek and Neue Staatsgalerie, Prinzregentenstr. 1, 19th-20th century art; (3) Schackgalerie, Prinzregentenstr. 9, Late Romantic German art; (4) Schleissheim near Munich, Neues Schloss, provincial galleries; (5) Ansbach, Residenz; (6) Aschaffenburg, Stadtmuseum, f. 1792; (7) Augsburg, Katharinengasse 9, f. 1809; (8) Bamberg, Neue Residenz, f. 1835; (9) Bayreuth, Neues Schloss, f. 1921; (10) Burghausen, Fürstenbau, f. 1898; (11) Füssen, Hohes Schloss, f. 1931; (12) Ingolstadt, Neues Schloss, f. 1925; (13) Kulmbach, Plassenburg; (14) Landshut, Residenz, f. 1935; (15) Neuberg a.D., Schloss, f. 1952; (16) Passau, f. 1952; (17) Regensburg, Stadtmuseum, f. 1950; (18) Rothenburg o.T., Herrengasse 24, f. 1952; also Dörner Institut, Dir. Dr. C. WOLTERS.

Deutsches Museum: Museumsinsel 1; f. 1903; machines, demonstrations, models, etc., on subjects relating to science and technology; library contains approx. 450,000 vols.; Gen. Dir. Dr.-Ing. E. h. O. MEYER; publ. *Abhandlungen und Berichte des Deutschen Museums.*

Staatliche Graphische Sammlung: Meiserstr. 10; f. 1758; Dir. Dr. PETER HALM; Chief Curator Dr. B. DEGENHART; Chief Curator Dr. W. WEGNER.

Städtische Galerie im Lenbachhaus: Luisenstr; Dir. Dr. HANS KONRAD RÓTHEL.

Wissenschaftliche Sammlungen des Staates, München (*State Scientific Collections, Munich*): 19, Menzingerstr. 71; Dir. Prof. Dr. Dr. ALFRED KAESTNER. The following institutions come under the control of this body:

(1) **Botanischer Garten:** 19, Menzingerstr. 67; Acting Dir. Prof. Dr. LEO BRAUNER; Chief Curator Dr. FRANZ SCHÖTZ.

(2) **Botanische Staatssammlung:** 19, Menzingerstr. 67; Dir. Prof. Dr. HERMANN MERXMÜLLER; Curator Dr. JOSEF POELT.

(3) **Anthropologische Staatssammlung:** 2, Richard-Wagner-Str. 10/1; Dir. Prof. Dr. KARL SALLER.

(4) **Bayerische Staatssammlung für allgemeine und angewandte Geologie:** Luisenstrasse 37; Dir. Prof. Dr. ALBERT MAUCHER; Chief Curator Prof. Dr. FERDINAND NEUMAIER.

(5) **Bayerische Staatssammlung für Paläontologie und historische Geologie:** 2, Richard-Wagner-Str. 10/11; Dir. Prof. Dr. RICHARD DEHM; Curators Dr. HANS ZÖBELEIN, Dr. THERESE V. OETTINGEN, Dr. K. WERNER BARTHEL.

(6) **Mineralogische Staatssammlung:** 2, Luisenstr. 37; Dir. Prof. Dr. GEORG MENZER.

(7) **Zoologische Staatssammlung:** 38, Maria-Wardstr. Dir. Dr. WALTER FORSTER; Chief Curator Dr. W. HELLMICH.

NUREMBERG

Albrecht-Dürer Haus: Albrecht-Dürer Strasse 39; copies and originals of Dürer's work.

Germanisches Nationalmuseum: Untere Grasersgasse 18 (Library) and Kornmarkt 1 (Art Gallery); f. 1852; German art and civilisation from prehistoric times to about 1850, folk art, public library, archives, print room; Chief Dir. Prof. Dr. E. STEINGRÄBER; publs. *Anzeiger des Germ. Nationalmuseums, Bilder aus deutscher Vergangenheit.*

Kunstsammlungen der Stadt Nürnberg: Lorenzerstrasse 32 (Fränkische Galerie): collection of German painting and sculpture of the 19th and 20th centuries (not now on permanent show); at present, temporary exhibitions held in the Fränkische Galerie, Am Marientor; publs. catalogues of exhibitions; Dir. Dr. W. SCHWEMMER.

PFORZHEIM

Reuchlinhaus: Heimatmuseum f. 1897; Schmuckmuseum f. 1938; mod. Schmuckschau; f. 1961; Kunst-Wechselausstellungen, f. 1961; Dir. H. WAHL.

RECKLINGHAUSEN

Museen der Stadt Recklinghausen (*Recklinghausen City Museums*): Recklinghausen, Platz am Hauptbahnhof; Dir. THOMAS GROCHOWIAK.

Städtische Kunsthalle (*City Art Gallery*): paintings, drawings, prints and sculptures by past and contemporary artists.

Ikonenmuseum (*Ikon Museum*): Russian, Byzantine and Balkan ikons, miniatures, metal work, Eastern church art.

Westisches Museum (*Museum of Western Art*): Westphalian arts and crafts.

SPEYER

Historisches Museum der Pfalz (*Historical Museum of the Palatinate*): Grosse Pfaffengasse 7; f. 1827; Curator Dr. KARL SCHULTZ.

STUTTGART

Galerie der Stadt Stuttgart: Stuttgart N, Bolzstrasse 2, Kunstgebäude; f. 1925; work of 19th and 20th century Swabian artists; Dir. EUGEN KEUERLEBER.

LGA-Sammlung: Kanzleistrasse 19; f. 1848; historical and modern collections; Chief Curator Dr. STINA KOBELL; Curator Dr. AMELIE DURAS.

Museum für Volkerkunde (Linden-Museum): Hegelplatz 1; f. 1888; Dir. Dr. H. RHOTERT; Keepers: F. JÄGER (America), Dr. F. KUSSMAUL (Oceania, Asia), Dr. J. ZWERNEMANN (Africa); publ. *Tribus* (Yearbook).

Staatliche Kunstsammlungen: comprise: (1) Württ. Landesmuseum, Altes Schloss, f. 1862, Dir. Prof. Dr. WERNER FLEISCHHAUER; (2) Staatsgalerie, Neckar-

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strasse 32, f. 1843, Dir. Erwin Petermann; publs. *Kataloge der Altertümersammlung: Schwäbische Glasmalerei* 1912, *Ludwigsburger Porzellan* 1911, *Deutsche Bildwerke des 10. bis 18. Jahrhunderts* 1917, *Führer durch vor- und frühgeschichtliche Abteilung* 1950, *Führer durch die mittelalterliche Abteilung* 1949, *Katalog der Staatsgalerie* 1931, 1957, 1961 (*Neue Meister*), Bushart, *Meisterwerke der Stuttgarter Staatsgalerie* 1956, Deusch, *Neuere Malerei in der Staatsgalerie Stuttgart* 1961, *Zeichnungen des 19. und 20. Jh. Neuerwerbungen seit 1945*, 1960.

Staatliches Museum für Naturkunde: Stuttgart-O, Schloss Rosenstein; f. 1791; Dir. Prof. Dr. E. Schütz; publ. *Beiträge*.

Trier (Trèves)

Rheinisches Landesmuseum: Ostallee 44; f. 1877; prehistoric, Roman and early medieval exhibits excavated in Trier and district; museum partially destroyed during war, but contents saved and reconstruction in progress; Roman department open; library of 30,000 vols.; Dir. Dr. Wilhelm Reusch; publ. *Trierer Zeitschrift*.

UNIVERSITIES

FREIE UNIVERSITÄT BERLIN

BERLIN-DAHLEM, BOLTZMANNSTRASSE 4

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Founded 1948.

Rector: Prof. Dr. iur. Ernst Heinitz.
Pro-Rector: Prof. Dr. phil. Eduard Neumann.
Curator: Dr. Fritz von Bergmann.

Number of teachers: 614, including 117 Full Professors; 36 Extraordinary Professors.

Number of students: 12,948.

Deans.

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Faculty of Law: Prof. Dr. Peter Lerche.
Faculty of Economic and Social Sciences: Prov. Dr. Gert von Eynern.
Faculty of Philosophy: Prof. Dr. Hans-Joachim Lieber.
Faculty of Mathematical and Natural Sciences: Prof. Dr. Herbert Lüers.
Faculty of Veterinary Medicine: Prof. Dr. med. vet. Hans-Joachim Heidrich.

Professors:

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Franke, Hermann (Surgery).
Freudenberg, Karl (Medical Statistics).
Gasteiger, Hugo (Ophthalmology).
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Stender, Arist (Neurology and Neuro-Surgery).
Ullrich, K. J. (Physiology).
Witt, Alfred (Orthopædics).

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Blei, H. (Criminal Law).
Blomeyer, Arwed (Civil Law).
Drath, M. (Political Science and Constitutional Law).
Heinitz, Ernst (Criminal Law).
Hirsch, Ernst E. (Commercial Law and Civil Law).
Hueck, Götz (Town Law, Labour and Commercial Law).
Lerche, Peter (State and Administrative Law).
Lübtow, Ulrich von (Roman Law).
Meder, Walter (East European Law).
Wengler, Wilhelm (International and Comparative Law).

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Behrens, Karl Christian (Industrial Economics).
Eich, W. (Economics).
Eynern, Gert von (Political Theory).
Flechtheim, Ossip K. (Political Sciences).
Gablentz, Otto Heinrich von der (Political Theory).
Kosiol, Erich (Industrial Economics).
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Emrich, Wilhelm (German Philology).
Elze, Reinhard (Medieval and Modern History).
Fraenkel, Ernst (Political Science).
Friedrich, J. (Eastern Philology).
Gerber, R. (English Philology).
Gollwitzer, Helmut (Protestant Theology).
Goethert, Friedrich (Classical Archæology).
Gruenter, Rainer (German Philology).
Hansen, O. (Indo-Iranian Culture).
Hass, Hans-Egan (German Philology).
Hecht, Ilse (English Philology).
Helbig, Herbert (Medieval and Modern History).
Henrich, Dieter (Philosophy).
Hinrichs, Carl (Modern History).
Hoffmann, Alfred (Sinology).
Hölscher, Uvo (Classical Philology).
Hörmann, Hans (Psychology).
Kauffmann, Hans (History of Art).
Kienle, Richard von (Indo-Germanic Studies).
Kiparsky, Valentin (Slavonic Studies).
Kirchner, Horst (Pre- and Early History).
Lämmert, E. (German Philology).
Landmann, Michael (Philosophy).

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LENNERT, R. (Philosophy).
LIEBER, HANS-JOACHIM (Philosophy).
LINDHEIM, BOGISLAV VON (English).
LOOS, ERICH (Roman Studies).
LÖWENTHAL, R. (Political Sciences).
MOORTGAT, ANTON (Near Eastern Archæology).
MORAUX, PAUL (Classical Philology).
MÜLLER, FRANZ WALTER (Romance Philology).
NEUMANN, EDUARD (German Philology).
NICHOLS, CHARLES HAROLD (North American Language and Culture).
OESTREICH, G. (Political Science).
PABST, WALTER (Romance Philology).
PHILIPP, WERNER (East European History).
REDING, MARCEL (Catholic Theology).
REICHENKRON, GÜNTER (Romance Philology).
REINHOLD, HEINZ (English Literature).
SCHMIDT, W. (Library Science).
SCHRÖBLER, INGEBORG (Old German and Middle Latin Philology).
SCHWABL, HANS (German Philology).
STRIEDTER, YURIV (Slavonic Literature).
TAUBES, J. (Jewish Studies).
WEISCHEDEL, WILHELM (Philosophy).
WESTPHAL-HELLBUSCH, S. (Ethnology).

Faculty of Mathematical and Natural Sciences:
BROSER, W. (Theory of Organic Chemistry).
DINGHAS, ALEXANDER (Mathematics).
ECKARDT, THEO (Botany).
FORTAK, H. (Zoology).
GROTEMEYER, KARL PETER (Mathematics).
GÜNTHER, KLAUS (Zoology).
HÄNSEL, R. (Pharmacognosy).
HONERJAGER, RICHARD (Physics).
HÖVERMANN, JÜRGEN (Geography).
JAHR, KARL FRIEDRICH (Inorganic Chemistry).
LASSEN, HANS (Physics).
LAUTSCH, WILLY (Organic Chemistry).
LUDWIG, GÜNTHER (Theoretical Physics).
LÜERS, HERBERT (Biology and Genetics).
MANECKE, G. (Macromolecular Chemistry).
MEHNERT, KARL-RICHARD (Mineralogy).
REINERT, J. (Geography).
RICHTER, MAX (Geology and Palæontology).
RIEMSCHNEIDER, R. (Biochemistry).
RINGEL, G. (Mathematics).
SCHENCK, GERHARD (Pharmaceutical Chemistry and Applied Pharmacy).
SCHENCK, P. W. (Biochemistry).
SCHERHAG, RICHARD (Meteorology).
SCHULTZE, JOACHIM H. (Geography).
STEIN, W. (Biophysics).
STÖHR, A. (Applied Mathematics).
ULRICH, WERNER (Zoology).
URICH, K. (Zoology).
VETTER, K. (Chemistry).

Faculty of Veterinary Science:
BECKER, ERWIN (Veterinary Surgery).
BOCH, J. (Parasitology).
BRONSCH, K. (Animal Breeding).
HARTWIGK, HANS (Veterinary Hygiene).
HEIDRICH, HANS-JOACHIM (Obstetrics).
KEWITZ, H. (Pharmacology).
MÜLLER, LUKAS FELIX (Internal Veterinary Medicine).
PREUSS, FRITZ (Veterinary Anatomy).
RENK, Walter (Veterinary Pathology).
SCHÜTZLER, GÜNTHER (Experimental Therapy and Functional Pathology).
SINELL, H-J. (Food Hygiene).
WITTKE, G. (Physiology).

AFFILIATED INSTITUTES:

Ost-Europa Institut:
Director: Prof. Dr. KARL C. THALHEIM.

PROFESSORS:
BRANDT, MAX (Medicine in Eastern Europe).
FÖRSTER, W. (East European Economics).
KIPARSKY, VALENTIN (Slavonic Studies).
LIEBER, HANS-JOACHIM (Philosophy and Sociology).
LOESCHKE, W. (History of East European Art).
LÖVENTHAL, RICHARD (East European History).
MEDER, WALTER (East European Law).
PHILIPP, WERNER (East European History).
STRIEDTER, YURIY (Slavonic Literature).
THALHEIM, KARL C. (World Economics, with special reference to East and South Europe).
WÖHLKE, W. (East European Studies).

Otto-Suhr Institut (former Hochschule für Politik):
Director: Prof. Dr. GERHARD OESTREICH

PROFESSORS:
EYNERN, GERT VON (Political Economics).
FLECHTHEIM, OSSIP (Theory of Parties).
FRAENKEL, ERNST (Political Sciences).
GABLENTZ, OTTO HEINRICH VON DER (Theory of Politics).
LÖWENTHAL, RICHARD (Political Sciences).
OESTREICH, GERHARD (History of Political Systems).
SONTHEIMER, K. (History and Theory of Parties).
STAMMER, OTTO (Sociology).
STERN, K. (Politics and Constitutional Law).

Institut für Politische Wissenschaft:
Director: Prof. Dr. OTTO STAMMER.

RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT BONN

BONN, LIEBFRAUENWEG 3
Telephone: 31941
(*Federal Republic of Germany*)
Founded 1881.

Rector Magnificus: Prof. WILHELM DIRSCHERL.
Pro-Rector: Prof. HANS WELZEL.
Chancellor: EBERHARD Freiherr von MEDEM.
Librarian: Prof. VIKTOR BURR.

Number of teachers: 585 including 161 Ordinary Professors.

Number of students: 12,604.
Publication: *Bonner Akademische Reden.*

DEANS.

Faculty of Evangelical Theology: Prof. WILHELM SCHNEEMELCHER.
Faculty of Catholic Theology: Prof. KARL DELAHAYE.
Faculty of Law and Economics: Prof. HORST ALBACH.
Faculty of Medicine: Prof. HEINZ HUNGERLAND.
Faculty of Philosophy: Prof. HUGO MOSER.
Faculty of Mathematics and Natural Sciences: Prof. FRIEDRICH HIRZEBRUCH.
Faculty of Agriculture: WALTER HOFMANN.

PROFESSORS:

Faculty of Evangelical Theology:
BIZER, ERNST (Church History).
GLOEGE, GERHARD (Systematic Theology).
KARPP, HEINRICH (Religious Pedagogics, Church History).
KONRAD, JOACHIM (Practical Theology).
KRAUSE, GERHARD (Practical Theology).
KRECK, WALTER (Systematic Theology).
NOTH, MARTIN (Old Testament Exegesis).
PLÖGER, OTTO (Old Testament).
SCHNEEMELCHER, WILHELM (Church History).
SURKAU, HANS WERNER (Propædeutics).
VIELHAUER, PHILIPP (New Testament).

Faculty of Catholic Theology:
AUER, JOHANN (Dogmatics).
BAUS, KARL (Old Church History, History of the Byzantine Church).
BOTTERWECK, G. JOHANNES (Old Testament).
DELAHAYE, KARL (Theological Encyclopedia).
GRONER, FRANZ (Christian Sociology).
HÖDL, LUDWIG (Dogmatics).
JEDIN, HUBERT (Medieval and Modern Church History).
LINDEN, PETER (Church Law).
SCHÄFER, KARL THEODOR (New Testament Exegesis).
SCHÖLLGEN, WERNER (Moral Theology, Philosophy and Psychology).
STASIEWSKI, BERNARD (Contemporary Church History).
STONNER, ANTON (Pastoral Theology).

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Faculty of Law and Economics:

ALBACH, HORST (Industrial Administration).
BALLERSTEDT, KURT (Commercial Law).
BECKMANN, MARTIN (Political Economy).
BEITZKE, GÜNTHER (Civil, Commercial, Private International Law).
BOSCH, FRIEDRICH WILHELM (Civil Law, Procedure in Civil Cases).
CONRAD, HERMANN (German Legal History, Church Law, Civil Law, Commercial Law).
EISERMANN, GOTTFRIED (Sociology).
FLUME, WERNER (Taxation Law, Roman Law and Civil Law).
FRIESENHAHN, ERNST (Civil and Administrative Law).
KAMP, ERNST (Political Economy, Finance).
KAUFMANN, ARMIN (Penal Law, Philosophy of Law).
KIPP, KARL THEODOR (Civil Law, Private International Law).
KRELLE, WILHELM (Political Economy).
MEYER, FRITZ W. (Political Economy).
RIDDER, HELMUT (Administrative Law).
SALZWEDEL, JÜRGEN (Political Economy).
SCHEUNER, ULRICH (Civil and Administrative Law).
STOLL. HANS (Civil Law ,Comparative Law).
VOGT, HEINRICH (Roman Law, German Civil Law).
WEIDNER, VIKTOR (Civil Law, Commercial Law, Law of Economy, Labour, and Social Security).
WELZEL, HANS (Penal Law, Philosophy of Law).

Faculty of Medicine:

DIRSCHERL, WILHELM (Physiological Chemistry).
DOMENJOZ, ROBERT (Pharmacology, Toxicology).
ELBEL, HERBERT (Forensic Medicine).
GÜTGEMANN, ALFRED (Surgery).
HABS, HORST (Hygiene).
HAGEN, EMMI (Anatomy).
HAMPERL, HERWIG (Pathology).
HEYMER, ADOLF (Internal Medicine).
HUNGERLAND, HEINZ (Pediatrics).
JANKER, ROBERT (Radiology).
KERSTING, GÜNTER (Neuropathology).
KORKHAUS, GUSTAV (Dental Medicine).
LANGENBECK, BERNHARD (Oto-Rhino-Laryngology).
MÜLLER, JOHANNES (Ophthalmology).
PICHOTKA, JOSEF (Physiology).
PIEKARSKI, GERHARD (Medical Parasitology).
RÖSSLER, HELMUT (Orthopædics).
RÖTTGEN, PETER (Neuro-Surgery).
SCHMITZ, WILHELM LUDOLF (Radiology).
SIEBKE, HARALD (Gynæcology).
STEUDEL, JOHANNES (History of Medicine and Natural Science).
TIEMANN, FRIEDRICH (Internal Medicine).
TONUTTI, EMIL (Anatomy).
WEITBRECHT, HANS JÖRG (Psychiatry, Neurology).

Faculty of Philosophy:

ALEWYN, RICHARD (Modern German Language and Literature).
BARION, JAKOB (Philosophy).
BEUMANN, HELMUT (Medieval and Modern History).
BRACHER, KARL DIETRICH (Political Science).
BRAUBACH, MAX (Medieval and Modern History).
DÄUMLING, ADOLF (Psychology).
DERBOLAV, JOSEF (Philosophy, Pedagogy).
EDEL, ELMAR (Egyptology).
EINEM, HERBERT VON (History of Art).
ESCH, ARNO (English Philology).
HACKER, PAUL (Indian Philology).
HAHN, HELMUT (Geography of Economics).
HASENJAEGER, G. (Logistics).
HERTER, HANS (Classical Philology).
HUBATSCH, WALTHER (Medieval and Modern History).
HÜBINGER, PAUL EGON (Medieval History).
JABLONOWSKI, HORST (East European History).
KÄSMANN HANS (English Philology).
KIRSTEN, E. (Historical Geography).
KULS, W. (Geography).
LANGLOTZ, ERNST (Classical Archæology).
LUCK, GEORG (Classical Philology).
LÜTZELER, HEINRICH (History of Art).
MARTIN, GOTTFRIED (Philosophy).
MAURER, KARL (Romance Philology).
MEIER, HARRI (Romance Philology).
MENSCHING, GUSTAV (Comparative Religion).
MOSER, HUGO (Germanic Studies).
PAPAJEWSKI, H. (English Philology).
PETRI, FRANZISKUS (General History of the Rhineland).
RITZEL (Pedagogy).
RÜDIGER, H. (Modern German Language and Literature).
RÜFNER, VINZENZ (Philosophy).
SCHMID, WOLFGANG (Classical Philology).
SCHMIDT-GÖRG, JOSEPH (Music).
SPIES, OTTO (Semitic and Islamic Studies).
STACKMANN, KARL (Germanic Studies).
STRAUB, JOHANNES (Ancient History).
THOMAE, HANS (Psychology).
TROLL, CARL (Geography).
WAGNER, HANS (Philosophy).
WEISGERBER, LEO (Celtic Culture and Linguistics).
V. WIESE UND KAISERWALDAU, BENNO (Modern German Language and Literature).
WILLEMSEN, CARL (Medieval and Modern History).
WOLTNER, MARGARETE (Slavonic Philology).
ZENDER, MATTHIAS (German Folklore).
ZORN, WOLFGANG (Constitutional, Economic and Social History).

Faculty of Mathematics and Natural Sciences:

APPEL, R. (Inorganic Chemistry).
BECKER, FRIEDRICH (Astronomy).
BLEULER, KONRAD (Theoretical Atomic Physics).
BRINKMANN , ROLAND (Geology).
BODENSTEDT, E. (Nuclear Physics).
DANNEEL, ROLF (Zoology).
ERBEN, HEINRICH (Geology and Palæontology).
FLOHN, HERMANN (Meteorology).
FRECHEN, J. (Mineralogy).
GROTH, WILHELM (Physical Chemistry).
HACHENBERG, OTTO (Radioastronomy).
HAHN, HELMUT (Geography of Economics).
HAUL, ROBERT (Physical Chemistry).
HIRZEBRUCH, FRIEDRICH (Mathematics).
KORDES, ERNST (Chemistry).
KRULL, WOLFGANG (Mathematics).
NEUHAUS, ALFRED (Mineralogy).
PAUL, WOLFGANG (Experimental Physics).
PESCHL, ERNST (Mathematics).
SCHMITZ-DUMONT (Chemistry).
SCHUMACHER, WALTER (Botany).
STAECKELBERG, MARK VON (Electro-Chemistry).
STEINER, MAXIMILIAN (Botany).
TITS, JACQUES (Mathematics).
TROLL, CARL (Geography).
TSCHESCHE, RUDOLF (Chemistry).
UNGER, HEINZ (Applied Mathematics).
WEIZEL, WILHELM (Physics).
ZYMALKOWSKI, FELIX (Pharmacy).

Faculty of Agricultural Economy:

BAITSCH, B. (Country Planning).
BÖKER, HUGO (Agricultural Economy).
BRAUN, HANS (Plant Pathology).
DENCKER, CARL (Agricultural Engineering).
GASSNER, EDMUND (Engineering Construction).
GOETZE, GOTTFRIED (Apiculture and Animal Psychology).
HAVERMANN, HEINRICH (Animal Breeding).
HESMER, HERBERT (Forest Science).
HILKENBÄUMER, FRIEDRICH (Fruit Culture).
HOFMANN, WALTER (Geodesy).
KICK, HERMANN (Agricultural Chemistry).
KLAPP, ERNST (Agriculture).
KMOCH, HANS (Tillage).
MÖHLE, ALFRED (Geodesy).
MÜCKENHAUSEN, EDUARD (Soil Science).
MÜLLER, RICHARD (Animal Feeding).
NIEHAUS, HEINRICH (Agricultural Economy).
SCHÜRMANN, ERNST (Anatomy, Physiology and Hygiene of Domestic Animals).
ULLRICH, HERMANN (Botany).
WENDT, HILMAR (Mathematics).
WOLF, HELMUT (Theoretical Geodesy).
WOLLENWEBER, HELLMUT (Economics).

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FRIEDRICH-ALEXANDER-UNIVERSITÄT ZU ERLANGEN-NÜRNBERG

ERLANGEN, SCHLOSSPLATZ 4

Telephone: 8771

Founded 1743.

Rector Magnificus: Prof. Dr. phil. GEORG NÖBELING.
Pro-Rector: Prof. Dr. med. NORBERT HENNING.

Number of teachers: 388, including 128 Ordinary Professors.

Number of students (June 1962): 6,650 men, 1,553 women, total 8,203.

DEANS:

Faculty of Theology: Prof. D.theol. WILHELM MAURER.

Faculty of Law: Prof. Dr. jur. JOHANNES HERRMANN.

Faculty of Medicine: Prof. Dr. med. ADOLF WINDORFER.

Faculty of Philosophy: Prof. Dr. phil. HANS SCHEUERL.

Faculty of Natural Sciences: Prof. Dr. rer. nat. HELMUT VOLZ.

Faculty of Economic and Social Sciences: Prof. Dr. phil. ERNST WEIGT.

PROFESSORS:

Faculty of Theology:

FOHRER, G. (Old Testament).
FRIEDRICH, GERHARD (New Testament Theology).
FRÖR, KURT (Practical Theology).
JOEST, WILFRIED (Systematic and New Testament Theology).
KLAUS, BERNHARD (Practical Theology).
KÜNNETH, WALTER (Systematic Theology).
LOEWENICH, WALTHER VON (Church History, Symbolical and Christian Art and Archæology).
MAURER, WILHELM (Church History).
ROST, LEONHARD (Old Testament Theology).
STAUFFER, ETHELBERT (New Testament Theology).
VORETZSCH, ADALBERT (Christian Archæology and Christian Art).
WEERDA, JAN (Reformed Theology).

Faculty of Law:

BRUNS, HANS-JÜRGEN (Penal Law).
HAGEMANN, HANS RUDOLF (German and Bavarian Common Law.).
HERRMANN, JOHANNES (Roman and German Common Law).
HUBMANN, HEINRICH (Common, International, Commercial Law, Philosophy of Law).
LEISNER, WALTER (National Administrative and International Law).
OBERMAYER, KLAUS (Church-, State and Administrative Law).
SCHNORR VON CAROLSFELD, LUDWIG (Civil and Commercial Law, Law of Exchange and Workmen's Compensation).
SCHWAB, KARL HEINZ (Civil Law).
VOIGT, ALFRED (National, Administrative and International Law).
WARDA, GÜNTER (Penal Law, Law of Criminal Procedure, Philosophy of Law).

Faculty of Medicine:

BAUER, KARL FRIEDRICH (Anatomy).
FLÜGEL, FRITZ (Psychiatry).
HASSELMANN, CARL MAX (Skin and Venereal Diseases).
HEGEMANN, GERD (Surgery).
HEIM, FRITZ (Pharmacology and Toxicology).
HENNING, NORBERT (Internal Medicine).
KEIDEL, WOLF-DIETER (Physiology).
KNORR, MAXIMILIAN (Hygiene and Bacteriology).
KORTH, CARL (Internal Medicine).
MATTHAEI, RUPPRECHT (Physiology).
MAY, FRIEDRICH (Physiology and Physiological Chemistry).
MÜLLER, ERICH (General Pathology and Pathological Anatomy).
OBER, KARL-GÜNTHER (Obstetrics and Womens' Diseases).
PASCHKE, HEINRICH (Orthodontics).
SCHMID, M. (History of Medicine).
SCHRECK, EUGEN (Ophthalmology).
STEINHARDT, GERHARD (Orthodontics)
THEISSING, GERHARD (Oto-Rhino-Laryngology).
WEINIG, EMIL (Forensic Medicine).
WINDORFER, ADOLF (Child Medicine and Clinic).

Faculty of Philosophy:

BACK, JOSEF (Insurance and Company Practice).
BESSON, WALDEMAR (Political Sciences).
BEYSCHLAG, SIEGFRIED (Germanic Philology).
BORST, ARNO (Mediaeval and Modern History).
CLAUSING, GUSTAV (Economics).
GOTSMICH, ALOIS (Archæology and Epigraphy).
HEUBECK, ALFRED (Classical Philology).
HOFFMAN, KARL (Comparative Indo-Germanic Studies).
JUNKER, ALBERT (Romance Philology).
KAMLAH, WILHELM (Philosophy).
KUEN, HEINRICH (Romance Philology).
LORENZEN, PAUL (Philosophy).
MATTHES, HEINRICH (English Philology).
OETTINGER, KARL (History of Art).
PFEIFFER, GERHARD (Bavarian and Frankish History).
RUFFMANN, K-H. (East European History).
SCHEUERL, HANS (Pedagogy).
SCHOEPS, HANS JOACHIM (Religion and Philosophy).
SCHWARZ, ERNST (Germanic Philology).
SEEL, OTTO (Classical Philology).
STÄBLEIN, BRUNO (Musicology).
TILL, RUDOLF (Classical Philology).
TOMAN, WALTER (Psychology).
VITTINGHOFF, F. (Prehistory).
WEIPPERT, GEORG (Economics, Finance, Statistics).
WOLPERS, THEODOR (English Philology).
ZOTZ, LOTHAR (Prehistory).
ZÖCHNER, WOLFGANG (Classical Archæology).

Faculty of Natural Sciences:

BERNINGER, OTTO (Geography).
DANN, OTTO (Applied Chemistry).
ERNST, THEODOR (Mineralogy).
FLEISCHMANN, RUDOLF (Physics).
HELLER, FLORIAN (Geology and Palæontology).
HESSE, GERHARD (Chemistry).
LANGE, ERICH (Physical Chemistry).
MEUWSEN, ALWIN (Inorganic and Analytical Chemistry).
MOLLWO, ERICH (Applied Physics).
NÖBELING, GEORG (Mathematics).
REMMERT, REINHOLD (Mathematics).
SPECHT, WILHELM (Applied Mathematics).
STAMMER, HANS-JÜRGEN (Zoology).
VOLZ, HELMUT (Theoretical Physics).
WEGENER, HORST (Physics).
WUNDER, WILHELM (Zoology).

Faculty of Economic and Social Sciences:

BACK, J. (Economics, esp. Insurance).
BERGLER, GEORG (Economics, esp. Market Research).
EICHLER, HERMANN (Private and Economic Law).
ESENWEIN-ROTHE (Economics and Statistics).
FRÖHLER, LUDWIG (Public Law).
HEUSS, E. (Economics esp. Industrial Relations).
LÖBNER, WALTHER (Pedagogy, esp. Economic Pedagogy).
MÜLLER, VALENTIN (Sociology, Social Anthropology).
VON PÖLNITZ, Frhr. GÖTZ (History, esp. Economic and Social).
SCHÄFER, ERICH (Economics, esp. Industry and Commerce).
SCHARMANN, THEODOR (Psychology, esp. Economic and Social).
SCHIFFAUER, G. (Romantic Languages).
SCHOBERTH, FRIEDRICH WILHELM (Anglo-Saxon Languages and Culture).
SIEBER, E. (Economics esp. Accountancy).
SPECHT, KARL GUSTAV (Sociology).
TUCHTFEDD, EGON (Political Economy, esp. Industrial and Commercial).
WEDDIGEN, WALTER (Political Economy and Sociology).
WEIGT, ERNST (Geography, esp. Economic and Social).

JOHANN WOLFGANG GOETHE-UNIVERSITÄT

FRANKFURT AM MAIN, MERTONSTRASSE 17

Telephone: 770641

Founded 1914.

Rector: Prof. Dr. HEINZ BIRGER.
Pro-Rector: Prof. Dr. Dr. WALTER ARTELT.

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Number of teachers: 546, including 106 Ordinary Professors.

DEANS:

Faculty of Law: Prof. Dr. HANS PETER.
Faculty of Medicine: Prof. Dr. JOACHIM FREY.
Faculty of Philosophy: Prof. Dr. KONRAD KRAFT.
Faculty of Natural Sciences: Prof. Dr. WOLFGANG FRANZ.
Faculty of Economics and Social Sciences: Prof. Dr. WALTER RÜEGG.

PROFESSORS:

Faculty of Law:
ABRAHAM, HANS-JÜRGEN (Commercial, Civil and Industrial Law).
CLASS, WILHELM (Penal Law and Procedure, Philosophy of Law).
COING, HELMUT (Roman and Civil Law).
ERLER, ADALBERT (German Legal History and Civil Law).
ISELE, HELLMUT GEORG (Industrial and Civil Law).
JAENICKE, GÜNTHER (Public Law).
KRONSTEIN, HEINRICH (Industrial, Economic and Civil Law).
MALLMANN, WALTER (Public Law).
MÜLLER-FREIENFELS, WOLFRAM (German and Foreign Law, Comparative Law).
PETER, HANS (Roman and Civil Law).
PREISER, WOLFGANG (Penal Law and Procedure).
SCHIEDERMAIR, GERHARD (Civil Law and Procedure)
SCHLOCHAUER, HANS-JÜRGEN (Public Law).
WIETHÖLTER, R. (Civil, Industrial and Economic Law).

Faculty of Medicine:
ARTELT, WALTER (History of Medicine).
DEGENHARDT, KARL HEINZ (Human Genetics).
FREY, JOACHIM (Internal Medicine).
GEISSENDÖRFER, RUDOLF (Surgery).
GERCHOW, JOACHIM (Forensic Medicine).
GÜNTZ, EDUARD (Orthopædics).
HEINZ, ERICH (Plant Physiology).
HERRMANN, FRANZ (Dermatology).
HERZBERG, KURT (Hygiene and Bacteriology).
HOFF, FERDINAND (Internal Medicine).
HOLTZ, PETER (Pharmacology and Toxicology).
KÄSER, OTTO (Gynæcology).
KRÜCKE, WILHELM (Neuropathology).
LAUBENDER, WALTHER (Pharmacology and Toxicology).
MITTERMAIER, RICHARD (Oto-Rhino-Laryngology).
RECKOW, JOACHIM VON (Dentistry).
ROTTER, WOLFGANG (Pathology).
SCHOOP, GERHARD (Veterinary Surgery)
STARCK, DIETRICH (Anatomy).
WACKER, ADOLF (Therapeutic Biochemistry).
WEZLER, KARL (Physiology).

Faculty of Philosophy:
ADORNO, THEODOR (Philosophy and Sociology).
BURGER, HEINZ OTTO (German Philology).
GEYES, DIETRICH (East European History).
FLECKENSTEIN, J. (Medieval and Modern History).
HENDRICK, GEORGE (American Literature).
HIRSCHBERGER, JOHANNES (Catholic Religious Philosophy).
JENSEN, ADOLF (Ethnology).
KAROW, OTTO (Far Eastern Philology and Culture).
KELLER, HARALD (History of Art).
KLEINER, GERHARD (Classical Archæology).
KRAFT, K. (Ancient History).
LEHMANN, HERBERT (Geography).
LIEBRUCKS, BRUNO (Philosophy).
MÜLLER, F. (Romance Philology).
OSTHOFF, HELMUTH (Music).
PATZER, HARALD (Classical Philology).
POLLAK, W. (Romance Philology).
RAMMELMEYER, ALFRED (Slavonic Studies).
RANG, MARTIN (Pedagogics).
SCHLESINGER, WALTER (Medieval and Modern History).
SELLHEIM, RUDOLF (Oriental Studies).
STECK, KARL (Evangelical Theology).
STÖCKLEIN, PAUL (Modern German Philology).
STRASBURGER, HERMANN (Ancient History).
THOMAS, WERNER (Indo-Germanic Philology).
VIEBROCK, HELMUT (English Philology).
VOSSLER, OTTO (Medieval and Modern History).
WEBER, GOTTFRIED (German Philology).

Faculty of Natural Sciences:
BAER, REINHOLD (Mathematics).
DÄNZER, HERMANN (Applied Physics).
DIEMAIR, WILLIBALD (Dietetics).
EGLE, KARL (Botany).
FRANZ, WOLFGANG (Pure and Applied Mathematics).
HARTMANN, HERMANN (Physical Chemistry).
HARTNER, WILLY (History of Natural Sciences).
KREJCI-GRAF, KARL (Geology and Palæontology).
LEHMANN, HERBERT (Geography).
LINDAUER, M. (Zoology).
MARTIENSSEN, WERNER (Experimental Physics).
MOUFANG, RUTH (Mathematics).
MÜNSTER, ARNOLD (Theoretical Physical Chemistry).
O'DANIEL, HERBERT (Mineralogy).
ROHMANN, CARL (Pharmaceutical Chemistry).
ROYEN, PAUL (Inorganic Chemistry).
SCHOPPER, ERWIN (Nuclear Physics).
SÜSSMANN, GEORG (Theoretical Physics).
WIELAND, THEODOR (Organic Chemistry).

Faculty of Economics and Social Sciences:
ABRAHAM, KARL (Economic Pedagogy).
ACHINGER, HANS (Social Politics).
BANSE, KARL (Commercial Economics).
BLIND, ADOLF (Statistics).
HAÜSEC, KARL (Political Economy).
HAGENMÜLLER, KARL (Banking Economics).
HAX, KARL (Industrial Economics).
VAN KLAVEREN, JAN JACOB (History of Economics and Social Science).
MATZNETTER, J. (Economic Geography).
MEINHOLD, H. (Political Economy).
NAPP-ZINN, ANTON FELIX (Political Economy, esp. Economics of Transport).
NEUMARK, FRITZ (Political Economy).
PRIEBE, HERMANN (Agricultural Economy).
RIEBEL, P. (Economics).
RÜEGG, WALTER (Sociology).
SAUERMANN, HEINZ (Political Economy).
SCHMID, KARL (Political Science).
VEIT, OTTO (Political Economy).

ALBERT-LUDWIGS-UNIVERSITÄT

FREIBURG I. BR., BELFORTSTRASSE 11
Telephone: 31852
Founded 1457.

Rector: Prof. Dr. MITSCHERLICH.
Pro-Rector: Prof. Dr. BAUER.
Director of Administration: Dr. C. F. CURTIUS.

Number of teachers: 333, including 109 Ordinary Professors.

Number of students: 7,541 men, 3,748 women, total 11,289.

DEANS:

Faculty of Theology: Prof. Dr. FRANZEN.
Faculty of Law and Politics: Prof. Dr. HESSE.
Faculty of Medicine: Prof. Dr. WIRNHÖFER.
Faculty of Philosophy: Prof. Dr. LAKEBRINK.
Faculty of Natural and Mathematical Sciences: Prof. Dr. HASSENSTEIN.

PROFESSORS:

Faculty of Theology:
DEISSLER, ALFONS (Old Testament Literature).
FRANZEN, AUGUST (Church History).
HOFMANN, RUDOLF (Moral Theology).
JÜSSEN, KLAUDIUS (Dogmatic and Theological Propadeutics).
KNAUBER, ADOLF (Pedagogy and Catechizing).
KOEP, LEO (Liturgies).
KOLLWITZ, JOHANNES (Patrology and Christian Archæology).
KOLPING, A. (Fundamental Theology).
PANZRAM, BERNHARD (Ecclesiastical Law).
STEGMÜLLER, FRIEDRICH (Dogmatics).
STEGMÜLLER, OTTO (Apologetics and Science of Religion).
VÖGTLE, ANTON (New Testament Literature).
WELTE, BERNHARD (Frontiers of Theology).

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Faculty of Law and Politics:

BERGSTRAESSER, ARNOLD (Political Science and Sociology).
BESTERS, HANS (Finance).
BULLA, GUSTAV-ADOLF (Labour and Social Insurance Laws, Sociology).
BÜLLINGER, M. (State and Administrative Law).
CAEMMERER, ERNST VON (Civil, Commercial and Administrative Law Private International Law).
EHUKE, H. (Civil Law).
GREWE, WILHELM (Politics, Law of Administration, Common Law).
VON HAYEK, FRIEDRICH (Economics).
HESSE, KONRAD (Political, Administrative and Ecclesiastical Law).
HIPPEL, FRITZ VON (Civil Law and Procedure, Philosophy of Law, Private International Law).
JESCHECK, HANS-HEINRICH (German and Foreign Penal Law, Criminal and Civil Procedure, Forestry Law).
KAISER, JOSEPH H. (German and Foreign Public Law, International Law, Ecclesiastical Law).
LOHMANN, MARTIN (Commercial Economics).
MÜLLER, HORST (Civil Law and Procedure).
MÜLLER, J. HEINZ (Economics).
RITTNER, FRITZ (Town, Trade, Business and Labour Law).
STREISSLER, ERICH (Economics).
THIEME, HANS (History of Law, Civil Law, Commercial and Economic Law).
WOLF, ERIK (Philosophy of Law, History of Legal Science, Church Law).
WOLFF, HANS JULIUS (Roman and German Civil Law, History of Modern Civil Law).
WÜRTENBERGER, THOMAS (Criminal Law and Procedure, Criminology).

Faculty of Medicine:

FLECKENSTEIN, ALBRECHT (Physiology).
GOERTTLER, KURT (Anatomy).
HAAS, RICHARD (Hygiene and Bacteriology).
HAHN, FRITZ (Pharmacology).
HEILMEYER, LUDWIG (Internal Medicine).
HOLZER, HELMUT (Physical Chemistry).
JUNG, RICHARD (Neurology, Neuro-Physiology and Psychiatry).
KALKOFF, K. (Dermatology).
KRAUSS, HERMANN (Surgery).
KÜNZER, W. (Childrens' Diseases).
LANGENDORFF, HANS (Radiological Biology).
REHM, HANS (Dentistry).
RIECHERT, TRAUGOTT (Neuro-Surgery).
RUFFIN, HANS (Psychiatry and Neurology).
SARRE, HANS (Internal Medicine).
WEGNER, WILHELM (Ophthalmology).
WEYRICH, GÜNTHER (Forensic Medicine).
WIRNHÖFER, HEINRICH (Obstetrics and Gynæcology).
ZOLLINGER, H. (General Pathology and Pathological Anatomy).
ZÖLLNER, FRITZ (Oto-Rhino-Laryngology).

Faculty of Philosophy:

BARTZ, FRITZ (Geography).
BAUCH, KURT (History of Art).
BAUER, CLEMENS (History).
BERGSTRAESSER, ARNOLD (Politics and Sociology).
BÜCHNER, KARL (Classical Philology).
DEUTSCHMANN, OLAF (Romance Philology).
EGGEBRECHT, HANS HEINRICH (Music).
FINK, EUGEN (Philosophy and Science of Education).
FRIEDRICH, HUGO (Romance Philology).
GUNDERT, HERMANN (Classical Philology).
GUTENBRUNNER, SIEGFRIED (Old High German Philology).
HASSINGER, ERICH (Modern History).
HEISS, ROBERT (Philosophy and Psychology).
HEUER, HERMANN (English Philology).
LAKEBRINK, BERNHARD (Philosophy).
LETTENBAUER, W. (Slavonic Studies).
LINK, F. (English Philology).
LOHMANN, JOHANNES (Comparative Linguistics).
MAURER, FRIEDRICH (German Philology).
NESSELHAUF, HERBERT (Ancient History).
PILCH, HERBERT (English Philology).
LINK, F. (English Philology).
REHM, WALTER (Modern German Literary History).
RÖMER, R. (Islamic Studies).
SANGMEISTER, EDWARD (Pre-History).
SCHUCHARDT, WALTER-HERWIG (Classical Archæology).
STRASBÜRGER, H. (Ancient History).
TELLENBACH, GERD (History).

Faculty of Natural and Mathematical Sciences:

ABETZ, KARL (Forestry).
BARNER, MARTIN (Mathematics).
BAUER, FRIEDRICH W. (Afforestation).
BOL, GERRIT (Mathematics).
BRAUER, GEORG (Chemistry).
FLÜGGE, S. (Theoretical Physics).
GANSSEN, R. (Soil Science).
GENZEL, L. (Physics).
GÖRTLER, HENRY (Applied Mathematics).
HASSENSTEIN, BERNHARD (Zoology).
HÖNL, HELMUT (Theoretical Physics).
HÜSEMANN, E. (Macromolecular Chemistry).
LÜTTRINGHAUS, ARTHUR (Chemistry).
MAIER, W. (Applied Physics).
MANTEL, KURT (Forestry Planning).
MARQUARDT, HANS (Forest Botany).
MARSCHALL, HANS (Theoretical Physics).
MATOSSI, FRANK (Physical Chemistry).
MECKE, REINHARD (Physical Chemistry).
MERZ, KURT WALTHER (Pharmaceutical Chemistry).
MITSCHERLICH, GERHARD (Forestry).
MOHR, HANS (Botany).
MORGENSTERN, DIETRICH (Mathematical Statistics).
NITSCHE, J. (Mathematics).
OSBERGHAUS, OTTO (Physics).
PFANNENSTIEL, MAX (Geology and Palæontology).
POHL, R. (Pharmacognosy).
SCHLIER, C. (Physics).
SCHMIDT, THEODOR (Physics).
SCHNEIDER, THEODOR (Mathematics).
STEINLIN, HANSJÖRG (Forestry).
WALLENFELS, K. (Chemistry).
WEISCHET, WOLFGANG (Geography).
WELLENSTEIN, GUSTAV (Forestry).

JUSTUS LIEBIG-UNIVERSITÄT

GIESSEN, LUDWIGSTRASSE 23

Telephone: 4951

(*Federal Republic of Germany*)

Founded 1607.

Rector: Prof. Dr. SLATHE.

Pro-Rector: Prof. MOSEBACH.

Number of teachers: 290, including 94 Professors.

Number of students: 2,721 men, 1,527 women, total 4,248.

DEANS:

Faculty of Philosophy: Prof. Dr. HESELHAUS.
Faculty of Natural Science: Prof. Dr. UHLIS.
Faculty of Agriculture: Prof. Dr. LINSER.
Faculty of Veterinary Medicine: Prof. Dr. Dr. BOSUTH.
Faculty of Medicine: Prof. Dr. ROLLHÄUSER.

PROFESSORS:

Faculty of Philosophy:

BLUMENBERG, HANS (Philosophy).
BUCHHEIT, V. (Psychology).
CLASSEN, P. (Medieval History).
GÖHRING, MARTIN (History).
HEINRICHS, HEINRICH MATTHIAS (Germanic Philology).
HESELHAUS, CLEMENS (Germanistics).
HOFFMANN, WILHELM (Ancient History).
JAUSS, HANS ROBERT (German Philology).
MIESKES, HANS (Pedagogy).
MÜLLER, GERHARD (Graezistik).
PATZE, H. (Medieval History and Local History).
RAMM, T. (Political Science).
SCHULZE, FRITZ WILLY (English Studies).
WEWETZER, K. (Psychology).
WISSEMANN, HEINZ (Slavonic Philology).

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Faculty of Natural Science:
ANKEL, WULF EMMO (Zoology and Comparative Anatomy).
DENFFER, DIETRICH VON (Botany).
EHRLICH, PAUL (Chemistry).
EWALD, H. (Experimental Physics).
FRITZ, G. (Organic and Inorganic Chemistry).
GAIER, D. (Applied Mathematics and Biomathematics).
HANLE, WILHELM (Experimental Physics).
KOCKEL, B. (Theoretical Physics).
KRÖHNKE, FRITZ (Chemistry).
MANSHARD, W. (Geography).
MARUHN, KARL (Mathematics).
MOSEBACH, RUDOLF (Mineralogy and Petrology).
NEUMANN, KURT (Physical Chemistry).
PICKERT, G. (Mathematics).
SAUR, EUGEN (Applied Physics).
SCHRAUB, ALFRED (Biophysics).
UHLIG, HARALD (Geography).
WEYL, RICHARD (Geology and Palæontology).

Faculty of Agriculture:
BOGUSLAWSKI, EDUARD VON (Plant Protection).
BRUNE, HEINRICH (Animal Husbandry).
GLATHE, JOHANNES (Microbiology).
GRUPPE, W. (Fructiculture).
KRÜGER, LEOPOLD (Animal Breeding).
KURON, HANS (Soil Preservation).
LINSER, HANS (Plant Protection).
LUDAT, HERBERT (East European Agriculture and Collectives).
MEIMBERG, P. (Farm Management).
SEIDENFUSS, HELLMUTH STEFAN (Political Economy and Finance).
STÄHLIN, ADOLF (Grassland).
STÖCKMANN, KARL (Agricultural Machinery).
WEBER, H. (Agriculture).

Faculty of Veterinary Medicine:
BARTELS, HELMUT (Animal Feeding).
BOSUTH, WALTER (Chemical Physiology).
DEHNER, OTTO (Clinical and Forensic Veterinary Medicine).
HORN, VALENTIN (Veterinary Physiology).
MÜLLER, HEINRICH (Veterinary Surgery and Opthalmology).
PALLASKE, GEORG (General Pathology, Pathological Anatomy and Histology).
RIEK, G. (Hereditary Diseases).
ROOTS, ELMAR (Veterinary Hygiene and Epidemics).
SCHUMMER, AUGUST (Anatomy).
TILLMANN, HARRY (Obstetrics).
WETZEL, RUDOLF (Parasitology).

Faculty of Medicine:
BARTH, GUNTHER (Medical Radiology).
BOHN, HANS (Clinical Medicine).
BOHNSTEDT, RUDOLF MAXIMILIAN (Dermatology and Venereal Diseases).
CREMER, HANS DIEDRICH (Nutrition).
CÜPPERS, C. (Orthoptics).
DERWORT, A. (Psychiatry).
DOST, HARTMUT (Pediatrics).
EIGLER, GERHARD (Oto-Rhino-Laryngology).
ERBSLÖH, F. (Neurology).
GRAB, WERNER (Pharmacology).
KEMKES, BERTHOLD (Hygiene).
KEPP, RICHARD KURT (Obstetrics and Gynæcology).
OTT, VICTOR R. (Physical Medicine).
PIA, H. (Neurosurgery).
RAUH, WALTER (Ophthalmology).
RETTIE, HANS (Orthopædics).
RICHTER, H. (Psychosomatics).
ROHEN, J. (Anatomy).
ROLLHÄUSER, HEINZ (Anatomy).
SANDRITTER, WALTER (General Pathology and Pathological Anatomy).
STAUDINGER, HANSJÜRGEN (Physiological Chemistry).
THAUER, RUDOLF (Physiology).
UEXKÜLL, THURE VON (Clinical Medicine).
VOSSSCHULTE, KARL (Surgery).

GEORG-AUGUST-UNIVERSITÄT ZU GÖTTINGEN

GÖTTINGEN, WILHELMSPLATZ 1

Telephone: 5021

Founded 1736.

Rector: Prof. Dr. ARNOLD SCHEIBE.
Pro-Rector: D. WALTHER ZIMMERLI.
Curator: Dr. jur. HEINRICH DAHNKE.

Number of teachers: 438, including 142 Ordinary and Extraordinary Professors.
Number of students: 9,733 (men and women).

DEANS:

Faculty of Theology: Prof. D. CARL ANDRESEN.
Faculty of Law and Politics: Prof. Dr. FRANZ GAMILLSCHEG.
Faculty of Medicine: Prof. Dr. HENNING BRANDIS.
Faculty of Philosophy: Prof. Dr. RICHARD NÜRNBERGER.
Faculty of Mathematics and Natural Sciences: Prof. Dr. GERHART LÜDERS.
Faculty of Forestry: Prof. Dr. ALFRED BOURREMANN.
Faculty of Agriculture: Prof. Dr. HANS-GÜNTER SCHLEGEL.
Faculty of Economic and Social Science: Prof. Dr. BRUNO SEIDEL.

PROFESSORS:

Faculty of Theology:
ANDRESEN, CARL (Ecclesiastical History).
COLPE, CARSTON (General Regional History).
CONZELMANN, HANS (New Testament).
DOERNE, MARTIN (Practical Theology).
DÖRRIES, HERMANN (Ecclesiastical History).
HARBSMEIER, GÖTZ (Practical Theology).
JEREMIAS, JOACHIM (New Testament).
TRILLHAAS, WOLFGANG (Systematic Theology).
WEBER, OTTO (Theology of the Reformed Churches).
WOLF, ERNST (Ecclesiastical History).
ZIMMERLI, WALTHER (Old Testament).

Faculty of Law:
DEUTSCH, E. (Civil Law, Commercial Law and International Private Law).
EBEL, WILHELM (History of German Law, Civil Law and Commercial Law).
ERLER, GEORG (Public Law, State and Common Law).
GAMILLSCHEG, FRANZ (Civil and Industrial Law).
HENCKEL, WOLFRAM (Civil Commercial and Process Law).
HUBER, ERNST RUDOLF (Public Law).
KÖTTGEN, ARNOLD (Political, Ecclesiastical and Administrative Law).
KROESCHELL, KARL (Civil and Commercial Law).
LEIBHOLZ, GERHARD (Political Science).
MICHAELIS, KARL (Civil Law and History of German Law).
NEUMANN-DUESBERG, HORST (Labour, Social and Civil Law, Copyright and Press Law).
RINCK, GERD (Roman, Civil, Industrial Law).
ROXIN, K. (Penal and Procedural Law).
SCHAFFSTEIN, FRIEDRICH (Criminal Law, Process Law, Philosophy of Law).
SCHMIDHÄUSER, EBERHARD (Criminal Law and Civil Law).
WEBER, WERNER (Public Law).
WIEACKER, FRANZ (Roman Law, Civil Law, History of Modern Private Law).

Faculty of Medicine:
BAUER, H. (Neurology).
BECKER, P. E. (Heredity).
BLECHSCHMIDT, ERICH (Anatomy).
BODE, HORST-GÜNTHER (Dermatology).
BRANDIS, HENNING (Hygiene and Bacteriology).
DEUTICKE, HANS JOACHIM (Physiological Chemistry).
FRENZEL, HERMANN (Oto-Rhino-Laryngology).
GLEES, PAUL (Histology and Experimental Neuro-Anatomy).
HALLERMANN, WILHELM (Ophthalmology).
HELLNER, HANS (Clinical Surgery).
JOPPICH, GERHARD (Pædiatrics).
JUNGMICHEL, GOTTFRIED (Insurance Medicine).
KIRCHOFF, HEINZ (Obstetrics and Gynæcology).
KRAMER, KURT (Physiology).
LENDLE, LUDWIG (Pharmacology and Toxicology).
LINZBACH, JOHANNES (General Pathology and Pathological Anatomy).

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MEYER, JOACHIM ERNST (Psychiatry).
MEYER, WILHELM (Dentistry).
RATH, GERNOT (History of Medicine).

Faculty of Philosophy:
BIHLER, HEINRICH (Romance Philology).
BORGER, RIEKELE (Assyriology).
BRAUN, MAXIMILLIAN (Slavonic Philology).
DEICHGRÄBER, KARL (Classical Philology).
DIETRICH, ALBERT (Arabic Philology).
FRIEDRICH, WOLF-HARTMUT (Classical Philology).
GÖLLER, KART HEINZ (English Philology).
HEIMPEL, HERMANN (Medieval and Modern History).
HENTIG, H. VON (Pedagogy).
HEUSS, ALFRED (Ancient History).
HINZ, WALTHER (History of the Near East and East Europe).
HORN, RUDOLF (Classical Archæology).
HUSMANN, HEINRICH (Musicology).
JANKUHN, HERBERT (Pre-History).
KELLERMANN, WILHELM (Romance Philology).
KILLY, WALTHER (German Philology).
KLEIN, JOSEPH (Philosophy).
KRAUSE, WOLFGANG (Indo-Germanic Philology and Old Nordic Culture).
LANGE, WOLFGANG (Germanic Philology, esp. Nordic Philology)
NEUMANN, HANS (German Philology).
NÜRNBERGER, RICHARD (Medieval and Modern History).
RANKE, KURT (German Customs and Folklore).
RICHTER, WILL (Classical Philology).
ROOS, H. (East European History).
ROSEMANN, HEINZ RUDOLF (History of Art).
ROTH, HEINRICH (Pedagogy).
SCHLACHTER, WOLFGANG (History of Language).
SCHNATH, GEORG (History of Lower Saxony).
SCHÖNE, ALBRECHT (German Philology).
SCHOTT, SIEGFRIED (Egyptology).
SEHRT, ERNST THEODOR (English Philology).
SPANNAUS, GÜNTHER (Ethnology).
WALDSCHMIDT, ERNST (Indology).
WESCHE, HEINRICH (Low German Philology).
WITTRAM, REINHARD (East European History).

Faculty of Mathematics and Natural Sciences:
AX, PETER (Zoology).
BARTELS, JULIUS (Geophysics).
BEDERKE, ERICH (Geology).
BIRUKOW, GEORG (Zoology).
BROCKMANN, HANS (Organic Chemistry).
CZAJKA, WILLI (Geography).
DEURING, MAX (Mathematics).
FIRBAS, FRANZ (Botany).
FLAMMERSFELD, ARNOLD (Physics).
GLEMSER, OSKAR (Inorganic Chemistry).
GOTTSCHALDT, KURT (Psychology).
GRAUERT, JOHANNES (Mathematics).
HAASEN, PETER (Metallurgy).
HILSCH, RUDOLF (Physics).
HUND, FRIEDRICH (Theoretical Physics).
JACOBS, KONRAD (Economic Statistics).
JOST, WILHELM (Physical Chemistry).
KNESER, M. (Mathematics).
LÜDERS, GERHART (Theoretical Physics).
LÜTTKE, WOLFGANG (Organic Chemistry).
MAAK, WILHELM (Mathematics).
MEYER, ERWIN (Physics).
PIRSON, ANDRÉ (Botany).
POSER, HANS (Geography).
SCHLEGEL, HANS-GÜNTER (Microbiology).
SEILACHER, A. (Geology and Palæontology).
TOLLMIEN, WALTER (Applied Mechanics).
VOIGT, HANS-HEINRICH (Astronomy and Astrophysics).
WINKLER, HELMUT (Mineralogy).
ZEMANN, J. (Mineralogy and Crystallography).

Faculty of Forestry:
BOURREMANN, ALFRED (Forestry).
HARTMANN, FRIEDRICH (Elements of Forestry).
KNIGGE, WOLFGANG (Forest Utilisation).
NÜSSLEIN, FRITZ (Game-keeping).
SCHIMITSCHEK, ERWIN (Forest Zoology and Entomology).
SCHMUCKER, THEODOR (Forest Botany and Mycology).
SCHOBER, REINHARD (Forest Organisation).
SPEIDEL, GERHARD (Forest Politics and Economics).
STREELKE, ERNST-GÜNTHER (Forestry Work and Machines).
WITTIGH, WALTER (Forest Soils).

Faculty of Agriculture:
ABEL, WILHELM (Agricultural Politics).
FUCHS, WALTER (Plant Pathology and Plant Protection).
GALLWITZ, KARL (Agricultural Machinery).
HANAU, ARTHUR (Marketing).
HARING, FRITZ (Stock-breeding and Dairy Work).
LENKEIT, WALTER, (Animal Physiology and Nutrition).
MITSCHERLICH, EILHARD (Veterinary Science).
SCHEFFER, FRITZ (Agricultural Chemistry).
SCHEIBE, ARNOLD (Seed-growing and Nursery Work).
WOERMANN, EMIL (Agricultural Economics).

Faculty of Economics and Social Science:
AUGERMANN, ADOLF (Economics).
BAHRDT, HANS PAUL (Sociology).
EGNER, ERICH (Economics),
HASENACK, WILHELM (Economics).
LÜCKE, WOLFGANG (Economics).
RITTIG, GISBERT (Political Economy).
SEIDEL, BRUNO (Political Science).
SOLMS-RÖDELHEIM Graf zu (Sociology).
SPIEGEL, B. (Economics and Social Psychology).
SUNDHOFF, EDMUND (Economics).
SURANYI-UNGER, THEODOR (Political Economy).
WENDT, SIEGFRIED (Political Economy).

UNIVERSITÄT HAMBURG

HAMBURG 13, EDMUND-SIEMERS-ALLEE 1

Telephone: 44 19 71

Rector: Prof. Dr. R. E. SPERNER.
Pro-Rector: Prof. Dr. R. SIEVERTS.

Number of teachers: 697, including 162 Ordinary Professors.

Number of students: 11,518 men, 5,021 women, total 16,539.

DEANS:

Faculty of Evangelical Theology: Prof. D. SCHMIDT.
Faculty of Law: Prof. Dr. HANS MÖLLER.
Faculty of Economics and Social Science: Prof. Dr. CARL JANTKE.
Faculty of Medicine: Prof. Dr. MALORNY.
Faculty of Philosophy: Prof. Dr. GERHARDT.
Faculty of Mathematical and Natural Sciences: Prof. Dr. C. KOSSWIG.

PROFESSORS:

Faculty of Evangelical Theology:
GOPPELT, LEONHARD (New Testament).
HUNZINGER, CLAUS-HUNNO (New Testament and Religions).
KOCH, KLAUS (Old Testament).
KRAUS, HANS-JOACHIM (Old Testament).
KRETSCHMAR, GEORG (New Testament and Church History).
LOHFF, WENZEL (Systematic Theology).
MÜLLER-SCHWEFE, HANS RUDOLF (Practical Theology).
SCHMIDT, KURT DIETRICH (Church History).
THIELICKE, HELMUT (Systematic Theology).

Faculty of Law:
BÖTTICHER, E. (Civil Procedure, Industrial Law).
DIEDERICH, H. (Economics).
EHRLICHER, W. (Political Science).
FELGENTRÄGER, W. (Roman Law, Civil Law).
GOLLNICK, H. (Statistics and Econometrics).
HENKEL, H. (Penal Law, General Law and Philosophy of Law).
HENNIS, W. (Political Science).
HENZLER, R. (Economics).
IPSEN, H. P. (State and Administrative Law).
JACOB, H. (Economics, Industrial Management).
JANTKE, C. (Sociology, Economic History).
JÜRGENSEN, H. (Political Science).
KASER, M. (Roman Law, Civil Law).
KLUTH, H. (Sociology).
KRÜGER, H. (Public Law).
LANDSHUT, S. (Political Science).
LIPFERT, H. (Business Administration).
MÖLLER, H. (Civil and Insurance Law).
RITSCHL, H. (Political Science, Economics).
SCHILLER, K. (Political Science).

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SCHMIDT, R. (Civil, Commercial and Insurance Law).
SCHULTZE VON LASAULX, H. (History of German Law, German Private Law).
SIEVERTS, R. (Criminal Law, Criminology, Youth Law).
THIEME, H. W. (Administrative Law, Public Law).
VOIGT, F. (Economics, Political Science).
WACKE, G. (Public Law, Finance and Taxation).
WÜRDINGER, H. (Commercial Corporation and Maritime Law).
ZEUNER, A. (Civil Procedure, Civil Law, Labour Law).
ZWEIGERT, K. (Conflict of Laws and Comparative Law).

Faculty of Economics and Social Science:
FETTEL, JOHANNES (Management).
HENZLER, REINHOLD (Management).
JANTKE, CARL (Sociology, Economic History).
KLUTH, HEINZ (Sociology).
LANDSHUT, SIEGFRIED (Politics).
RITSCHL, HANS (Political Science).
SCHILLER, KARL (Political Science).
VOIGT, FRITZ (Political Science).

Faculty of Medicine:
BARTELHEIMER, HEINRICH (Internal Medicine).
BÜRGER-PRINZ, HANS (Psychiatry and Nervous Diseases).
FRITZ, ERICH (Forensic Medicine).
GARDEMIN, HERBERT (Orthopædy).
HARMSEN, HANS (Hygiene).
HORSTMANN, ERNST (Anatomy).
JANZEN, RUDOLF (Neurology).
JORES, ARTHUR (Internal Medicine).
KIMMIG, JOSEF (Dermatology).
KRAUSPE, CARL (General Pathology and Pathological Anatomy).
KÜHNAU, JOACHIM (Physiological Chemistry).
LENZ, WIDUKIND (Human Genetics).
LICHTENTHAELER, CHARLES (History of Medicine).
LINK, RUDOLF (Otology).
MALORNY, GÜNTHER (Pharmacology).
PRÉVÔT, ROBERT (Radiology).
REICHEL, HANS (Physiology).
ROEMER, BENNO (Bacteriology and Neurology).
SAUTTER, HANS (Ophthalmology).
SCHÄFER, KARL-HEINZ (Children's Diseases).
SCHUBERT, GERHARD (Gynæcology).
SCHUCHARDT, KARL (Dentistry).
VOGEL, JOHANNES (Tropical Medicine and Parasitology).
ZUKSCHWERDT, LUDWIG (Surgery).

Faculty of Philosophy:
ALSDORF, LUDWIG (Indian Culture and History).
BECK, ADOLF (German Philology and Modern Literature).
BENL, OSKAR (Japanese Studies).
BLEICKEN, JOCHEN (Ancient History).
BORCK, HANS-HEINZ (German Philology).
BORINSKI, LUDWIG (English Language and Culture).
BRUNNER, OTTO (Medieval and Modern History).
CARSTENSEN, BRODER (English Language and Culture).
VON DADELSEN, GEORG (Musicology).
ERBSE, HARTMUT (Classical Philology).
FISCHER, FRITZ (Medieval and Modern History).
FRANKE, WOLFGANG (Sinology).
GEISSLER, GEORG (Pedagogics).
GERHARDT, DIETRICH (Slavonic Philology).
GROSSMANN, RUDOLF (Romance Philology).
HAAS, RUDOLF (English Language and Culture).
HARTMANN, HANS (Comparative Language Studies).
HAUSMANN, GOTTFRIED (Pedagogics).
HÄVERNICK, WALTER (German Archæology, Numismatics).
HELCK, WOLFGANG (Egyptology).
HENNIS, WILHELM (Sociology).
HOFSTÄTTER, PETER (Psychology).
JANTZEN, ULF (Archæology).
JOHANSEN, PAUL (Hanseatic and East European History).
KLUTH, HEINZ (Sociology).
KNOCHE, ULRICH (Classical Philology).
KRUSE, MARGOT (Romance Philology).
LANDSHUT, SIEGFRIED (Political Science).
LUKAS, JOHANNES (African Languages and Cultures).
MATTHES, WALTHER (Prehistory and German Early History).
OESTREICH, GERHARD (Medieval and Modern History).
PATZIG, GÜNTHER (Philosophy).
PETRICONI, HELLMUTH (Romance Philology).
PRETZEL, ULRICH (German Philology).
RUDOLPH, HANS (Ancient History).
SCHLESIER, ERHARD (Ethnology).
SCHNEIDER, KARL-LUDWIG (German Philology and Modern Literature).
SCHÖNE, WOLFGANG (History of Art).
SIMON, WERNER (German and Old German Philology).
SINGER, HERBERT (German Philology and Modern Literature).
SPULER, BERTOLD (Islamic Studies).
TIEMANN, HERMANN (Romance Philology).
WEIZSÄCKER, CARL FRIEDRICH (Philosophy).
WENKE, HANS (Pedagogics).
ZECHLIN, EGMONT (Medieval and Modern History).

Faculty of Mathematical and Natural Sciences:
BAUER, HEINZ (Mathematics).
BROCKS, KARL (Geophysics, esp. Meteorology).
BÜCKMANN, ADOLF (Marine Biology).
COLLATZ, LOTHAR (Mathematics).
DÖRING, WERNER (Theoretical Physics).
DRESCHER, KADEN (Minerology, Petrography, Encampments).
ENGEL, HORST (Microbiology).
ESTERMANN, IMMANUEL (Physical Chemistry).
GLEISBERG, WALTHER (Applied Botany).
GRIM, OTTO (Shipbuilding).
HAFFNER, HANS (Astronomy).
HANSEN, WALTER (Oceanography).
HASSE, HELMUT (Mathematics).
HECKMANN, OTTO (Astronomy).
HEYNS, KURT (Chemistry).
HILF, HUBERT HUGO (Forest Economy).
JENTSCHKE, WILLIBALD (Physics).
JORDAN, PASCUAL (Theoretical Physics).
KNAPPWOST, ADOLF (Physical Chemistry).
KOLB, ALBERT (Geography).
KOSSWIG, CURT (Zoology).
KRAMER, GUSTAV (Theoretical Physics).
LEHMANN, HARRY (Theoretical Physics)
LERBS, HERMANN (Shipbuilding).
LIESE, WALTER (Timber Technology).
MAYER-WEGELIN, HANS (Timber Technology).
MEVIUS, WALTER (General Botany).
MEYER-ABICH (History of Natural Science).
MINKOWSKI, RUDOLF (Theoretical Physics).
MÖLLER, HANS-GEORG (Applied Physics).
NAST, REINHARD (Inorganic Chemistry).
NEUERT, HUGO (Physics).
RAETHER, HEINZ (Applied Physics).
RAETHJEN, PAUL (Meteorology).
REMY, HEINRICH (Inorganic and Analytical Chemistry).
ROSE, HERMANN (Minerology and Petrography).
RUGE, ULRICH (Applied Botany).
SCHEIDT, WALTER (Anthropology).
SCHLUBACH, HANS HEINRICH (Chemistry).
SPERNER, EMANUEL (Mathematics).
STÄHELIN, PETER (Physics).
STEUBING, WALTER (Physics).
STICKER, BERNHARD (History of Natural Science).
TERWORDT, LUDWIG (Theoretical and Applied Physics).
TEUCHER, MARTIN (Physics).
VOIGT, EHRHARD (Geology and Palæontology).
WECK, JOHANNES (Forestry).
WEINBLUM, GEORG (Shipbuilding).
WENDEL, KURT (Ship Design).
WERNER, HANS (Food Chemistry).
WIEGHARDT, KARL (Shipbuilding).
WITT, ERNST (Mathematics).

RUPRECHT-KARL-UNIVERSITÄT

HEIDELBERG, GRABENGASSE 1

Telephone: 541

Founded 1386

Rector: Prof. Dr. KURT LINDEMANN.
Pro-Rector: Prof. Dr. FRITZ ERNST.

Number of teachers: 550, including 125 Ordinary Professors.

Number of students: 8,951 men, 4,162 women, total 13,113.

DEANS:

Faculty of Theology: Prof. Dr. HANS-WOLFGANG HEIDLAND.
Faculty of Law: Prof. GERARDO BROGINI.

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Faculty of Medicine: Prof. Dr. FRIEDRICH-WILHELM BRAUSS.
Faculty of Philosophy: Prof. Dr. ARTHUR HENKEL.
Faculty of Natural Sciences: Prof. Dr. CHRISTOPH SCHMELZER.

PROFESSORS:

Faculty of Theology:
BORNKAMM, GÜNTHER (New Testament Exegesis).
BORNKAMM, HEINRICH (Historical Theology).
BRUNNER, PETER (Systematic Theology).
CAMPENHAUSEN, FREIHERR HANS VON (Historical Theology).
DINCKLER, ERICH (New Testament Theology and Christian Archæology).
GENSICHEN, HANS WERNER (History of Religion).
HAHN, WILHELM (Practical Theology).
HEIDLAND, HANS-WOLFGANG (Practical Theology).
KOHLER, WERNER (History of Religion and Christian Missions).
KRIMM, HERBERT (Practical Theology).
KUHN, KARL GEORG (New Testament Exegesis).
RAD, GERHARD VON (Old Testament Exegesis).
RENDTORFF, ROLF (Old Testament Exegesis).
SCHLINK, EDMUND (Dogmatics).
TÖDT, HEINZ EDUARD (Social Ethics).
WESTERMANN, CLAUS (Old Testament Exegesis).

Faculty of Law:
BROGGINI, GERARDO (Roman and Civil Law).
FORSTHOFF, ERNST (Public Law).
FRIEDRICH, CARL J. (Political Science).
GALLAS, WILHELM (Philosophy of Law: Penal and Criminal Law.)
GUTZWILLER, MAX (Roman and German Common Law).
HANACK, ERNST-WALTER (Penal and Procedural Law).
HEFERMEHL, WOLFGANG (Labour, Civil, Commercial and Economic Law).
JAUERNIG, OTHMAR (Civic and Procedural Law).
LEFERENZ, HEINZ (Criminology).
MOSLER, HERMANN (Public, International and Foreign Public Law).
NIEDERLÄNDER, HUBERT (Civil Law, Roman Law, Comparative Law).
REICKE, SIEGFRIED (German Legal History, Canon Law and Civil Law).
SCHNEIDER, HANS (Public Law).
SCHMIDT, EBERHARD (Penal Law, Penal Procedure, History of Law).
SERICK, ROLF (Private, Comparative and Commercial Law, Foreign Private Law).
WAHL, EDUARD (Foreign and International Private Law, Civil and Process Law).
WEBER, FRIEDRICH (Civil and Process Law).

Faculty of Medicine:
BAEYER, WALTER RITTER VON (Psychiatry and Neurology).
BAMBERGER, PHILIPP (Pediatrics).
BECKER, JOSEF (Radiology).
BRAUSS, FRIEDRICH WILHELM (Hygiene and Bacteriology).
DOERR, WILHELM (General Pathology and Pathological Anatomy).
EICHLER, OSKAR (Clinical Pharmacology).
FERNER, HELMUT (Anatomy).
HÄMEL, JOSEF, (Dermatology and Venereal Diseases).
JAEGER, WOLFGANG (Ophthalmics).
KINDLER, WERNER (Oto-Rhino-Laryngology).
KUHN, RICHARD (Biochemistry).
KUTSCHER, WALDEMAR (Physiological Chemistry).
LETTRÉ, HANS (Experimental Cancer Research).
LINDEMANN, KURT (Orthopædics).
LINDER, FRITZ (Surgery).
MUELLER, BERTHOLD (Forensic Medicine).
PLÜGGE, HERBERT (Internal Medicine).
RITTER, REINHOLD (Dentistry).
SCHAEFER, HANS (Physiology).
SCHIPPERGES, HEINRICH (History of Medicine).
VOGEL, FRIEDRICH (Anthropology and Human Genetics).
VOGEL, PAUL (Internal Medicine and Neurology).

Faculty of Philosophy:
ALBERTINI, RUDOLF VON (Modern History).
BALDINGER, KURT (Romance Philology).
BAUER, WOLFGANG (Sinology).
V. BÖVENTER, EDWIN (Economic and Social History).
V. BRANDT AHASVER (Medieval and Modern History).
BULST, WALTHER (Medieval Latin Philology).
CONZE, WERNER (Modern History).
DIRLMEIER, FRANZ (Classical Philology).
EIS, GERHARD (German Philology and Folk-lore).
ERNST, FRITZ (Medieval and Modern History).
FALKENSTEIN, ADAM (Semitic Philology).
FRIEDRICH, CARL J. (Political Science).
FRITSCH, BRUNO (Politics and Economics).
GADAMER, HANS GEORG (Philosophy).
GRAUL, HANS (Geography).
GSCHNITZER, FRITZ (Ancient History).
HALLER, HEINZ (Sociology and Economics).
HAMMERSTEIN, REINHOLD (Study of Music).
HAMPE, ROLAND (Classical Archæology).
HENKEL, ARTHUR (History of Modern German Literature).
HESS, GERHARD (Romance Philology).
KÖHLER, ERICH (Romance Philology).
KROMPHARDT, WILHELM (Sociology and Economics).
V. LINDHEIM, BOGISLAV (English).
LÖWITH, KARL (Philosophy).
MASCHKE, ERICH (Social and Economic History).
MILOJČIĆ, VLADIMIR (Prehistory).
MÜHLMANN, WILHELM (Sociology and Ethnology).
OTTO, EBERHARD (Egyptology).
PAATZ, WALTER (History of Art).
PFEIFER, GOTTFRIED (Geography).
V. POLENZ, PETER (German Philology).
PÖSCHL, VIKTOR (Classical Philology).
RÖHRS, HERMANN (Pedagogics).
RUDERT, JOHANNES (Psychology).
SCHERER, ANTON (Comparative Linguistics).
SCHILLER, OTTO (Agricultural Policy and Social Economy of Agriculture).
SENGLE, FRIEDRICH (History of Modern German Literature).
STERNBERGER, DOLF (Political Science).
SÜHNEL, RUDOLF (English Language and Literature).
TOPITSCH, ERNST (Sociology).
WAGENFÜHR, ROLF (Statistics).
WAPNEWSKI, PETER (German Philology).
WITTMANN, WALDEMAR (Science of Industrial Administration.

Faculty of Natural Sciences:
BECKE, MARGOT (Inorganic and Analytical Chemistry).
DUSPIVA, FRANZ (Zoology).
ELSÄSSER, HANS (Astronomy).
FISCHBECK, KURT (Applied Physical Chemistry).
FRICKE, WALTER (Astronomy).
GENTNER, WOLFGANG (Physics).
HAXEL, OTTO (Physics).
HOFMANN, ULRICH (Inorganic Chemistry).
JENSEN, JOHANNES DANIEL (Theoretical Physics).
JÖRGENS, KONRAD (Mathematics).
KIENLE, HANS (Astronomy).
KÖTHE, GOTTFRIED (Applied Mathematics).
KRICKEBERG, KLAUS (Theory of Probability, Mathematic Statistics).
MAAS, HANS (Mathematics).
RAUH, WERNER (Systematic Botany).
SCHÄFER, KLAUS (Physical Chemistry).
SCHMELZER, CHRISTOPH (Applied Physics).
SCHMIDT, FRIEDRICH KARL (Mathematics).
SCHMIDT, OTTO (Chemistry).
SEIFERT, HERBERT (Mathematics).
SEYBOLD, AUGUST (Botany).
SIMON, WILHELM (Geology and Palæontology).
STECH, BERTHOLD (Theoretical Nuclear Physics).
TAMM, KONRAD (Applied Physics).
WEIDENMULLER, HANS-ARWED (Theoretical Nuclear Physics).
WESSEL, WALTER (Mechanics).
WITTIG, GEORG (Organic Chemistry).
ZIMMER, KARL GÜNTER (Ray Biology).

CHRISTIAN-ALBRECHTS-UNIVERSITÄT

KIEL, NEUE UNIVERSITÄT, OLSHAUSENSTRASSE 40/60

Telephone: 51451

Founded 1665.

Rector: Prof. Dr. HERBERT SCHLENGER.
Pro-Rector: Prof. Dr. DIEDRICH SCHROEDER.

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Number of teachers: 358 including 105 Ordinary Professors.

Number of students: 4,221 men, 1,401 women, total 5,622.

DEANS:

Faculty of Theology: Prof. D. EDUARD LOHSE.
Faculty of Law and Political Science: Prof. Dr. WOLFGANG WETZEL.
Faculty of Medicine: Prof. Dr. HANS PAU.
Faculty of Philosophy: Prof. Dr. EUGEN SEIBOLD (Science), Prof. Dr. GEORG KOSSACK (Arts).
Faculty of Agriculture: Prof. Dr. HANS BAUMANN.

PROFESSORS:

Faculty of Theology:
GREEVEN, HEINRICH (New Testament, Social Ethics).
HERTZBERG, HANS WILHELM (Old Testament).
HOFFMANN, GEORG (Practical Theology).
KRAFT, H. (Church History and Dogma).
LOHSE, E. (New Testament).
MEINHOLD, PETER (Church History and Dogma).
REDEKER, MARTIN (Systematic Theology).
SCHULTZ, WERNER (Systematic Theology, Philosophy and History of Religion).

Faculty of Law and Political Science:
BÖHMERT, VIKTOR (Public Law).
BRANDT, HANS (Public Law and Civil Law).
BRECHER, FRITZ (Civil, Commercial, Economic and Industrial Law).
BUSSE v. COLBE, W. (Economics).
DAHM, GEORG (Comparative Law, History of Law).
DEUTSCH, ERWIN (Civil, Mercantile, International Private and Comparative Law).
DILCHER, H. (Roman, Process and Public Law).
FREUND, MICHAEL (History of Politics).
GABRIEL, SIEGFRIED (Political Economy).
HÄUSER, KARL (Political Economics).
KOLMS, H. (Financial Economics).
MAYER, HELLMUTH (Criminal Law and Civil Procedure).
MEDICUS, D. (Roman and Public Law).
MEISSNER, BORIS (East European Law, Sociology, Politics).
MENGER, CHRISTIAN-FRIEDRICH (Public Law).
MENZEL, EBERHARD (Public Law).
PAULUS, GOTTHARD (Civil Law).
RICHTER, RUDOLF (Political Economics).
SCHEYHING, ROBERT (History of German Law, Civil Law).
SCHNEIDER, ERICH (Political Economy).
WETZEL, WOLFGANG (Statistics).
WURZBACHER, GERHARD (Sociology and Social Sciences).

Faculty of Medicine:
BARGMANN, WOLFGANG (Anatomy).
BEHRENS, BEHREND (Pharmacology).
BERNSMEIER, A. (Internal Medicine).
DOERR, WILHELM (Pathology and Pathological Anatomy).
GÄRTNER, HORST (Hygiene and Bacteriology).
HAHN, W. (Dentistry).
HALLERMANN, WILHELM (Forensic and Social Medicine).
HERRLINGER, R. (History of Medicine).
V. KÜGELGEN, ALKMAR (Anatomy).
LEHMANN, W. (Human Genetics).
LULLIES, HANS (Physiology).
MONJE, MANFRED (Applied Physiology).
MÜLLER, ERNST (Oto-Rhino-Laryngology).
NETTER, HANS (Physiological Chemistry).
PAU, HANS (Ophthalmics).
PFLEIDERER, HEINRICH (Medical Climatology, Physiotherapy).
PROPPE, ALBIN (Skin and Venereal Diseases).
REINWEIN, HELMUTH (Internal Medicine).
ROHLEDERER, OTTO (Orthopædics).
SCHAEUBLE, JOHANN (Anthropology).
SPRETER V. KREUDENSTEIN, THEO (Dentistry).
STÖRRING, GUSTAV (Psychiatry and Neurology).
WANKE, ROBERT (Surgery).
WEISSBECKER, L. (Internal Medicine).
WIEDEMANN, HANS-RUDOLF (Pædiatrics).

Faculty of Philosophy:
APEL, K. (Philosophy).
BACHMANN, FRIEDRICH (Mathematics).
BAGGE, ERICH (Pure and Applied Nuclear Physics).
BOCK, HELLMUT (English Philology).
BRÖCKER, WALTER (Philosophy).
BUCHLOH, PAUL (English Philology).
BURCK, ERICH (Classical Philology).
BUSCH, V. (Slavonic).
CONRADY, KARL OTTO (History of German Literature).
CORDES, GERHARD (German and Low German Philology).
DEFANT, F. (Meteorology).
DIETRICH, GÜNTER (Oceanography).
DILLER, HANS (Classical Philology).
ERDMANN, KARL-DIETRICH (Medieval and Modern History).
FUHRMANN, MANFRED (Classical Philology).
GESSNER, F. (Marine Botany).
GREWE, RUDOLF (Organic Chemistry).
HELLNER, ERWIN (Mineralogy).
HERRE, WOLF (Anatomy and Physiology of Domestic Animals).
HINTERHÄUSER, HANS (Romance Philology).
HOENERBACH, WILHELM (Arabic Philology).
HOFMANN, ERICH (Comparative Indo-Germanic Philology).
JORDAN, KARL (Medieval and Modern History).
JUNG, KARL (Geophysics).
JUZA, ROBERT (Inorganic Chemistry).
KAENDLER, R. (Piscine Biology).
KOSSACK, GEORG (History).
KRAIKER, WILHELM (Classical Archæology).
KRETZENBACHER, L. (Ethnology).
KROEBEL, WERNER (Applied Physics).
KRÖMMELBEIN, K. (Palæontology).
KUHN, HANS (Old German and Nordic Philology).
LIENHARD, S. (Indology).
LOCHTE-HOLTGREVEN, WALTER (Experimental Physics).
MARTIN, HANS (Physical Chemistry).
MIERKE, KARL (Psychology and Pedagogy).
MORITZ, OTTO (Botany).
MÜLLER, LUDOLF (Slav Philology).
OHLY, FRIEDRICH (German Philology).
OVERBECK, FRITZ (Botany).
v. RAUCH, GEORG (East European History).
REMANE, ADOLF (Zoology and Oceanography).
SCHARFF, ALEXANDER (North German History).
SCHAEUBLE, JOHANN (Anthropology).
SCHEEL, HANS LUDWIG (Romance Philology).
SCHLENGER, HERBERT (Geography).
SCHLIEPER, C. (Marine Zoology).
SCHUBERT, HORST (Mathematics).
SCHULTZ, OTTO-ERICH (Pharmaceutical Chemistry).
SEIBOLD, EUGEN (Geology and Palæontology).
TINTELNOT, HANS (History of Art).
TRUNZ, ERICH (Modern German Language and Literature).
UNSÖLD, ALBRECHT (Theoretical Physics).
VITTINGHOFF, FRIEDRICH (Ancient History).
WEINRICH, HAROLD (Romance Philology).
WEISE, KARL-HEINRICH (Mathematics).
WILHELM, THEODOR (Pedagogics).
WIORA, WALTER (Music).
WURZBACHER, GERHARD (Sociology and Social Sciences).

Faculty of Agriculture:
ALBERS, WILLI (Agrarian Economics and Marketing).
BAUMANN, HANS (Water Supply and Amelioration).
BECKER, MAX (Animal Physiology and Nutrition).
BLOHM, GEORG (Agricultural Labour and Economics).
HERRE, WOLF (Anatomy and Physiology of Domestic Animals).
KÖHNLEIN, JOHANNES (Plant Cultivation).
KÖNIG, ADOLF (Agricultural Machinery).
LANGLET, JOACHIM-FRIEDRICH (Cattle Breeding and Rearing).
OVERBECK, FRITZ (Botany).
SCHROEDER, DIEDRICH (Plant Feeding and Soil Science).
TISCHLER, W. (Plant Pathology).

UNIVERSITÄT ZU KÖLN

KÖLN (COLOGNE), ALBERTUS-MAGNUS-PLATZ

Telephone: 20241

Founded 1388.

Rector Magnificus: Prof. Dr. THEODOR SCHIEDER.
Pro-Rector: Prof. Dr. ERNST KLENK.

Number of teachers: 509, including 158 Ordinary Professors.

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DEANS:

Faculty of Economics and Social Sciences: Prof. Dr. RENÉ KÖNIG.
Faculty of Law: Prof. Dr. HEINZ HUBNER.
Faculty of Medicine: Prof. Dr. MAX SCHNEIDER.
Faculty of Philosophy: Prof. Dr. ADAM WANDRUSZKA.
Faculty of Mathematics and Natural Sciences: Prof. Dr. KARL HEINZ LAUTERJUNG.

PROFESSORS:

Faculty of Economics and Social Sciences:
ANGER, HANS (Economic and Social Psychology).
BENTE, HERMANN (Political Economy).
BERKENKOPF, PAUL (Political Economy).
BESTE, THEODOR (Industrial Management).
BRAESS, PAUL (Insurance).
BREUER, JAKOB (Statistics).
BRUNING, HEINRICH (Political Science).
GELDMACHER, ERWIN (Business Management).
GROCHLA, ERWIN (Economics).
GUTENBERG, ERICH (Industrial Management).
HERMENS, FERDINAND (Political Science).
KELLENBENZ, HERMANN (Economic and Social History).
KÖNIG, RENÉ (Sociology).
KRAUS, THEODOR (Economic Geography).
KUSKE, BRUNO (Economic History).
MANN, FRITZ CARL (Finance).
MULLER-ARMACK, ALFRED (Political Economy).
MÜNSTERMANN, HANS (Industrial Management).
OTREMBA, ERICH (Economic Geography).
PFANZAGL, JOHANN (Economic and Social Statistics).
RITTERSHAUSEN, HEINRICH (Industrial Science).
SCHLIEPER, FRIEDRICH (Economics).
SCHMÖLDERS, GÜNTER (Political Economy).
SEYFFERT, RUDOLF (Industrial Management).
SUNDHOFF, EDMUND (Industrial Management).
WEISSER, GERHARD (Sociology).
WESSELS, THEODOR (Political Economy).
WIESE UND KAISERSWALDAU, LEOPOLD VON (Political Economy and Sociology).
WILLEKE, RAINER (Political Economy).

Faculty of Law:
BÖRNER, BODO (Civil Law, Economic Law).
BÜHLER, OTTMAR (German and International Financial and Taxation Law).
CARSTENS, KARL (Public Law and International Law).
COENDERS, ALBERT (Penal Law, Penal and Civil Procedure).
ERMAN, WALTER (Civil Law).
HERING, CARL JOSEPH (Church Law).
HIPPEL, ERNST VON (Public Law, Philosophy of Law and Politics).
HÜBNER, HEINZ (Civil Law, Roman Law).
JAHRREISS, HERMANN (Public Law, Law of Nations, Philosophy of Law).
KEGEL, GERHARD (Private International Law).
KELSEN, HANS (Public Law, International Law).
KLINGMÜLLER, ERNST (Insurance, Civil, and Commercial Law).
KLUG, ULRICH (Penal Law, Process Law, Civil Process Law, Philosophy of Law, Banking Law).
LANGE, RICHARD (Penal Law, Civil and Penal Procedure).
MAYER-MALY, THEODOR (Civil and Roman Law).
NIPPERDEY, HANS CARL (German Law, Law of Citizenship, Commercial and Industrial Law).
OEHLER, DIETRICH (Penal Law, Penal Process Law, Foreign and International Penal Law, ev. Church Law).
PETERS, HANS (Public Law).
REHFELDT, BERNHARD (Civil and Commercial Law, History of German Law).
SCHMIDT, RUDOLF (Roman and German Civil Law).
SEIDL, ERWIN (Roman and German Civil Law).
SPITALER, ARMIN (Financial Law and Law of Taxation).

Faculty of Medicine:
BENNHOLDT-THOMSEN, CARL (Children's Diseases).
DOTZAUER, GÜNTHER (Forensic Medicine).
HACKENBROCH, MATTHIAS (Orthopædic Surgery).
HEBERER, GEORG (Surgery).
HOFE, KARL VOM (Ophthalmology).
HOFFMANN, VIKTOR (Surgery).
KAUFMANN, CARL (Gynæcology).
KISCH, BRUNO (Physiology).
KLENK, ERNST (Physiological Chemistry).
KNIPPING, HUGO WILHELM (Internal Medicine).
KÜLBS, FRANZ (Internal Medicine).
LENTZE, FRIEDRICH (Hygiene and Bacteriology).
MIES, HEINZ (Normal and Pathological Physiology).
ORTMANN, ROLF (Anatomy).
SCHEID, WERNER (Neurology and Psychiatry).
SCHMIDHUBER, KARL (Dentistry).
SCHNEIDER, MAX (Physiology).
SCHÜLLER, JOSEF (Pharmacology and Toxicology).
SCHULTEN, HANS (Internal Medicine).
SCHUMMELFELDER, NORBERT (Pathology and Anatomy).
SEIFERTH, LEONHARD (Treatment of the Nose, Ear and Throat).
STADTMÜLLER, FRANZ (Anatomy).
TÖNNIS, WILHELM (Nerve Surgery).
VEIT, OTTO (Anatomy).
ZILKENS, KARL (Dentistry).
ZIPF, HANS FRIEDRICH (Pharmacology and Toxicology).

Faculty of Philosophy:
BADENHAUSEN, ROLF (Theatricals).
BINDER, WOLFGANG (History of Modern German Literature).
BOECKMANN, PAUL (History of Modern German Literature).
BÜTTNER, HEINRICH (Medieval and Modern History, Historical Auxiliary Sciences).
CASKEL, WERNER (Oriental Philology).
DAHLMANN, HELLFREID (Classical Philology).
DIHLE, ALBRECHT (Classical Philology).
DRECHSLER, JULIUS (Pedagogy).
FELLERER, KARL-GUSTAV (Musicology).
FRICKE, GERHARD (History of Modern German Literature).
FUCHS, WALTER (Sinology).
GERHARD, DIETRICH (American Studies).
GROOTHOFF, HANS-HERMANN (Pedagogy).
HEIMSOETH, HEINZ (Philosophy).
HEMPEL, HEINRICH (Old German Philology, Old Nordic).
HEYDRICH, MARTIN (Ethnology).
JACHMANN, GÜNTHER (Classical Philology).
KÄHLER, HEINZ (Classical Archæology).
KALLEN, GERHARD (Medieval and Modern History).
KAYSER, KURT (Geography).
KOCH, JOSEPH (Medieval Philosophy).
KÖHLER, OSWIN (African Studies).
KROLL, JOSEPH (Classical Philology).
LADENDORF, HEINZ (Art History).
LANDGREBE, LUDWIG (Philosophy).
LANGOSCH, KARL (Middle Latin Philology).
LEYEN, FRIEDRICH VON DER (German Philology).
MERKELBACH, REINHOLD (Classical Philology).
OLESCH, REINHOLD (Slavonic Philology).
PETRI, HELMUT (Ethnology).
PIEL, JOSEPH (Roman Philology).
QUINT, JOSEPH (German Philology).
RUBIN, BERTHOLD (Byzantine Studies).
RUMPF, ANDREAS (Classical Archæology).
SALBER, WILHELM (Psychology).
SCHALK, FRITZ (Romance Philology).
SCHIEDER, THEODOR (Medieval and Modern History).
SCHIEFFER, THEODOR (Medieval and Modern Art History).
SCHWABEDISSEN, HERMANN (Prehistory, Early History).
SEILER, HANSJADOB (Comparative Philology).
STANDOP, EWALD (English Philology).
STÖKL, GÜNTHER (East European History).
TSCHIRCH, FRITZ (German Philology).
UNDEUTSCH, UDO (Psychology).
VOLKMANN, JOHANNES (Ancient History).
VOLKMANN-SCHLUCK, KARL HEINZ (Philosophy).
WANDRUSZKA, ADAM (Medieval and Modern History).
WICKERT, LOTHAR (Ancient History).
WILPERT, PAUL (Medieval History).

Faculty of Mathematics and Natural Sciences:
BURGER, EWALD (Mathematical Statistics and Economic Mathematics).
DELBRÜCK, MAX (Genetics).
DÖRGE, KARL (Mathematics).
FEHER, FRANZ (Inorganic Chemistry).
HEIDERMANNS, CURT (Comparative Animal Physiology).
HERR, WILFRID (Nuclear Chemistry).
HEYDRICH, MARTIN (Ethnology).
HOHEISEL, GUIDO (Mathematics).
JASMUND, KARL (Mineralogy and Petrography).

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JAUMANN, JOHANNES (Experimental Physics).
KAYSER, KURT (Geography).
KIRCHNER, FRITZ (Experimental and Applied Physics).
KLENK, ERNST (Physiological Chemistry).
KÖNIG, HEINZ (Mathematics).
KUHN, OTTO (Zoology and Comparative Anatomy).
LAUTERJUNG, KARL HEINZ (Nuclear Physics).
MENKE, WILHELM (Botany).
MÜHLSCHLEGEL, BERNHARD (Theoretical Physics).
PAETZOLD, HANS KARL (Geophysics and Meteorology).
PETRI, HELMUT (Ethnology).
SALBER, WILHELM (Psychology).
SAUTER, FRITZ (Theoretical Physics).
SCHAEFER, CLEMENS (Physics).
SCHÄFKE, FRIEDRICH WILHELM (Mathematics).
SCHMID, GERHARD (Physio-chemistry and Colloidal Chemistry).
SCHULTZ, ARVED (Geography).
SCHWABEDISSEN, HERMANN (Prehistory, Early History).
SCHWARZBACH, MARTIN (Geology).
STRAUB, JOSEPH (Botany).
UNDEUTSCH, UDO (Psychology).
VOGEL, EMANUEL (Organic Chemistry).
WINTGEN, ROBERT (Chemistry).

JOHANNES GUTENBERG-UNIVERSITÄT

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Founded 1477; closed 1816; re-opened 1946

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The library contains 430,000 volumes.

Number of teachers: 481 including 156 Ordinary Professors.

Number of students (Summer 1963): 7,095.

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Faculty of Evangelical Theology: Prof. D. EUGEN LUDWIG RAPP.
Faculty of Law and Economics: Prof. Dr. ANTONIO MONTANER.
Faculty of Medicine: Prof. Dr. KURT WAGNER.
Faculty of Philosophy: Prof. Dr. WALTER JOHANNES SCHRÖDER.
Faculty of Natural Sciences: Prof. Dr. GERHARD SCHUBERT.
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BERG, LUDWIG (Christian Anthropology and Social Ethics).
HAUBST, RUDOLF (Dogmatics).
KRAUS, JOHANNES (Moral Theology).
LENHART, LUDWIG (Church History and Patrology).
MAY, GEORG (Church Law).
ROTTER, FRIEDRICH OTTO (Apologetics).
SCHMITT, KARL (Practical Theology).
SCHNEIDER, HEINRICH (Old Testament).
ZIEGLER, JOSEF GEORG (Moral Theology).

Faculty of Evangelical Theology:
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JANNASCH, WILHELM (Practical Theology).
KUSCHKE, ARNULF (Old Testament).
LORENZ, RUDOLF (History of the Church and Dogma).
MEZGER, MANFRED (Practical Theology).
PANNENBERG, WOLFHART (Systematic Theology).
RAPP, EUGEN LUDWIG (Christian Orientalism).
SCHMIDT, MARTIN (History of the Church).
STÄHLIN, GUSTAV (New Testament).
VÖLKER, WALTHER (History of Church and Dogma).
WIESNER, WERNER (Systematic Theology).
WOLFF, HANS WALTER (Old Testament).

Faculty of Law and Economics:
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SCHEVERLE, WILHELM (Civil Law, Commercial Law, Labour Law.)
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STÖWE, H. (Statistics).
WELTER, ERICH (Economics).

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BRANDT, GEORG (Surgery and Orthopædics).
BRECHT, HEINRICH (General Pathology and Pathological Anatomy).
DABELOW, ADOLF (Anatomy).
DIEPGEN, PAUL (History of Medicine).
DIETHELM, LOTHAR (Theory of Medical Radiation).
DUESBERG, RICHARD (Internal Medicine).
FREY, R. (Anæsthesiology).
HEISCHKEL-ARTELT, EDITH (History of Medicine).
HERRMANN, MARTIN (Dental Surgery).
HERZAU, WERNER (Ophthalmics).
JESS, ADOLF (Ophthalmics).
JUNG, F. (Dentistry).
KEINING, EGON (Skin and Venereal Diseases).
KLEIN, PAUL (Medical Microbiology).
KLIEWE, HEINRICH (Hygiene and Bacteriology).
KLINGE, FRITZ (General Pathology and Pathological Anatomy).
KLUCZKA, J. (Dentistry).
KOLLER, S. (Medical Statistics).
KORTING, GÜNTER (Skin and Venereal Diseases).
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KRANZ, HEINRICH (Psychiatry and Neurology).
KUSCHINSKY, GUSTAV (Pharmacology).
LANG, KONRAD (Physiological Chemistry).
LEICHER, HANS (Oto-Rhino-Laryngology).
LOSSEN, HEINZ (Theory of Medical Radiation).
SCHRIEVER, HANS (Physiology).
SCHÜRMANN, K. (Neurosurgery).
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WATZKA, MAX (Histology).

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GÖRRES, A. (General Psychology).
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HILCKMAN, ANTON (Comparative Cultural History).
HOLZAMER, KARL (Philosophy, Psychology and Pedagogy).
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INSTINSKY, HANS ULRICH (Ancient History).

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LORTZ, JOSEF (History of Western Religion).
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NEUMANN, FRIEDRICH (Slavonic Studies).
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PETRY, LUDWIG (History).
REITZENSTEIN, ERICH (Classical Philology).
REQUADT, PAUL (German Philology).
RHODE, GOTTHOLD (History).
RINTELEN, FRITZ JOACHIM VON (Philosophy, Psychology).
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SCHEEL, HELMUTH (Islamic Philology and Islamic Studies).
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SCHRAMM, EDMUND (Romance Philology).
SCHRÖDER, WALTER JOHANNES (German Philology).
SÜSS, WILHELM (Classical Philology).
THIERFELDER, ANDREAS (Classical Philology).
USLAR, R. (Pre- and Protohistory).
WAGNER, KURT (German Philology and Folklore).
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WENTZLAFF-EGGEBERT, FRIEDRICH-WILHELM (Philology).

Faculty of Natural Sciences:
ALBERS, HENRY (Chemistry).
BAIER, ERNST (Mineralogy and Petrography).
BECHERT, KARL (Theoretical Physics).
BECKMANN, P. (Nuclear Physics).
BOCK, R. (Analytical and Inorganic Chemistry).
BUDDENBROCK, WOLFGANG VON (Zoology).
EHRENBERG, HANS (Physics and Nuclear Physics).
EICKSTEDT, EGON, Freiherr VON (Anthropology).
FALKE, HORST (Geology and Palæontology).
FALKENBURGER, FRÉDÉRIC (Anthropology).
GEILMANN, WILHELM (Chemistry).
HERZOG, W. (Electronics).
HÖLDER, ERNST (Mathematics).
HORNER, L. (Organic Chemistry and Biochemistry).
JUNGE, CHRISTIAN (Meteorology).
KERN, WERNER (Organic Chemistry).
KLUMB, HANS (Experimental Physics).
KOLLATH, RUDOLF (Experimental Physics).
LAVEN, HANNES (Genetics).
MISLIN, HANS (Zoology).
PANZER, WOLFGANG (Geography).
RISLER, HELMUT (Zoology and Morphology).
ROCHELMEYER, HANS (Pharmacy).
ROHRBACH, HANS (Mathematics).
SAMELSON, K. (Mathematics).
SCHLOSSMACHER, KARL (Mineralogy).
SCHUBERT, GERHARD (Theoretical Physics).
SCHULZ, GÜNTER VIKTOR (Physical Chemistry).
SCHWIDETZKY-ROESING, ILSE (Anthropology).
STRASSMANN, FRITZ (Inorganic and Nuclear Chemistry).
STUART, HERBERT ARTHUR (Physics).
TOBIEN, H. (Palæontology).
TROLL, WILHELM (Botany and General Biology).
WEBER, HANS (Botany and Pharmacognosy).

Foreign and Interpreters' Institute in Germersheim:
BRUMMER, RUDOLF (Romance Languages and Literature).
JAEGER, PAUL LOTHAR (English Language and Literature).
JENSEN, HARRO (English Language and Literature).
JESCHKE, HANS (Romance Languages and Literatures).
SCHOLZ, F. (Russian Language and Literature).
THIEME, KARL (European History).

PHILIPPS-UNIVERSITÄT

MARBURG, BIEGENSTRASSE 10
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Founded 1527

Rector: Prof. D. ALFRED NIEBERGALL.
Pro-Rector: Prof. Dr. phil. HORST BÖHME.
Chief Administrative Officer: Dr. jur. ULRICH JUNG.

Number of teachers: 315, including 79 Ordinary Professors.
Number of students: 7,058.

DEANS:
Faculty of Theology: Prof. Dr. DIETRICH VON OPPEN.
Faculty of Law and Political Science: Prof. Dr. K. PAUL HENSEL.
Faculty of Medicine: Prof. Dr. WALTER SCHMID.
Faculty of Philosophy: Prof. Dr. WILHELM RAU.

PROFESSORS:

Faculty of Theology:
BENZ, ERNST (Church History and Dogmatics).
DAMMAN, ERNST (Philosophy of Religions).
FUCHS, ERNST (New Testament).
GRASS, HANS (Systematic Theology and Social Ethics).
KAISER, OTTO (Old Testament).
KAWERAU, PETER (History of the Eastern Church).
KÜMMEL, WERNER (New Testament).
NIEBERGALL, ALFRED (Practical Theology).
OPPEN, DIETRICH VON (Social Ethics).
WÜRTHWEIN, ERNST (Old Testament).

Faculty of Law and Political Science:
BAUMGÄRTEL, GOTTFRIED (Civil Law).
BRUNS, RUDOLF (Civil Law, Economic Law).
GÖRG, HUBERT (Public Law).
HALL, KARL ALFRED (Criminal Law and Procedure).
HENSEL, K. PAUL (Political Economy).
HOPPMANN, ERICH (Common Law).
JESCH, DIETRICH (Public Law).
KIESSLING, EMIL (Papyrology).
KIRSCH, WILHELM MICHAEL (Business Economics).
KRAWINKEL, HERMANN (History of German Law, Civil, Commercial and Peasant Law).
REINHARDT, RUDOLF (German Civil, Commercial, and Industrial Law).
SCHWARZ, F. (Roman Law, German Public Law).
SCHWINGE, ERICH (Public Law, Criminal Law and Procedure).
STING, KURT (Political Economy).
WOLF, ERNST (Civil Law, Industrial Law and Jurisprudence).

Faculty of Medicine:
BERENDES, JULIUS (Oto-Rhino-Laryngology).
BRAUN-FALCO, OTTO (Dermatology).
BÜCHER, THEODOR (Physio-Chemistry).
DU MESNIL DE ROCHEMONT, RENÉ (Medical Radiology).
EXNER, G. (Orthopædics).
FÖRSTER, AUGUSTIN (Forensic and Social Medicine).
GEDIGK, PETER (Pathology and Pathological Anatomy).
GRAUL, E. H. (Radiation and Isotopes).
HARTMANN, FRITZ (Internal Medicine).
HENSEL, HERBERT (Physiology).
HEUSER, HANS (Dentristry).
HUBER, HERBERT (Obstetrics and Gynæcology).
JACOB, HANS (Neurology and Psychiatry).
LINNEWEH, FRIEDRICH (Pediatrics).
LÜBBERS, D. W. (General Physiology).
NIESSING, KLAUS (Anatomy).
PETRY, G. (Anatomy).
SCHMID, WALTER (Pharmacology).
SCHWAIGER, MAX (Surgery).
SIEGERT, RUDOLF (Hygiene).
SOLTH, K. (Medical Statistics).
SPIEGELBERG, U. (Psychiatry, Psychotherapy and Neurology).
STRAUB, WOLFGANG (Ophthalmology).
STUTTE, H. (Child Psychiatry).
WENDT, G. G. (Anthropology).

Faculty of Philosophy:
ABENDROTH, WOLFGANG (Political Science).
BECKER, CARL (Classical Philology).
BOG, J. (Social and Economic History).
BÖHME, HORST (Pharmaceutical Chemistry).
BRÄUER, HERBERT (Slavic Philology).
BUCK, AUGUST (Roman Philology).
BÜTTNER, HEINRICH (Medieval History).
CARTSENSEN, B. (English Philology).
DEHN, WOLFGANG (Pre-history).
DIMROTH, KARL (Chemistry).
DRAWERT, HORST (Botany).
DRERUP, HEINRICH (Classical Archæology).

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DÜKER, HEINRICH (Psychology).
ENGEL, HANS (Musicology).
FLASCHE, HANS (Romance Philology).
FROESE, LEONHARD (Pedagogy).
HABICHT, CHRISTIAN (Early History).
HEILFURTH, GERHARD (German Philology and Folklore).
HEISIG, KARL (Romance Philology).
HÜCKEL, E. (Theoretical Physics).
KLEIN, JOHANNES (History of German Literature).
KOCKEL, CARL WALTER (Geology).
KUHN, HANS (Physical Chemistry).
KUNZ, JOSEPH (History of German Literature).
LAUER, W. (Geography).
LUDWIG, G. (Structure of Matter).
MAHR, CARL (Chemistry).
MATTHIAS, E. (Political Theory).
MAUS, HEINZ (Sociology).
MÜLLER, FRIEDRICH (Classical Philology).
MÜLLER, F. H. (Physics of High Polymers).
MUSSO, H. (Organic Chemistry).
OPPEL, HORST (English Philology).
OTTEN, HEINRICH (Oriental Philology).
PEYERIMOFF, ALENANDERS (Mathematics).
RAU, WILHELM (Indian Philology).
REICH, KLAUS (Philosophy).
SCHEIBERT, PETER (East European History).
SCHMIDT, MAX (Inorganic Chemistry).
SCHMIDT, H. ARNOLD (Mathematics and Mathematical Logic).
SCHMITT, LUDWIG ERICH (Germanic and German Philology).
SCHOTT, CARL (Geography).
SCHRÖDER, WERNER (German Philology).
SEIDEL, FRIEDRICH (Zoology).
STÄRKE, K. (Nuclear Chemistry).
USENER, KARL HERMANN (History of Art).
VON STOSCH, HANS (Botany).
WAGNER, FRITZ (Medieval and Modern History).
WALCHER, WILHELM (Physics).
WEISWEILER, JOSEF (Comparative Philology).
WOLTER, HANS (Applied Physics).

LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

MUNICH

Telephone: 228661

Founded 1472.

Rector: Prof. Dr. phil. nat. JULIUS SPEER.
Pro-Rector: Prof. Dr. ing. EGON WIBERG.

Number of teachers: 954, including 184 Ordinary Professors.

Number of students: 13,295 men, 4,930 women, total 18,225.

DEANS:

Faculty of Theology: Prof. Dr. HEINRICH FRIES.
Faculty of Law: Prof. Dr. SIEGFRIED GRUNDMANN.
Faculty of Political Economy: Prof. Dr. HORST JECHT.
Faculty of Medicine: Prof. Dr. ALEXANDER HERRMAN.
Faculty of Veterinary Science: Prof. Dr. KONRAD ULLRICH.
Faculty of Philosophy: Prof. Dr. HORST HAMMITZSCH.
Faculty of Natural Sciences: Prof. Dr. KARL STEIN.

PROFESSORS:

Faculty of Theology:
DÜRIG, WALTER (Pastoral Theology and Liturgy).
EGENTER, RICHARD (Moral Theology).
FRIES, HEINRICH (Fundamental Theology).
HAMP, VINZENZ (Old Testament Exegesis).
KAMPMANN, THEODERICH (Pedagogy and Catechetics).
KEILBACH, WILHELM (Systematic Scholastic Philosophy).
KUSS, OTTO (New Testament Exegesis).
MÖRSDORF, KLAUS (Church Law).
PASCHER, JOSEF (Pastoral Theology, Homiletics, and Liturgy).
SCHEUERMANN, AUDOMAR (Canon Law).
SCHMAUS, MICHAEL (Dogmatics).
SCHMID, JOSEF (New Testament Exegesis).
SCHWAIGER, GEORG (Ecclesiastical and Art History; Archæology).
TÜCHLE, HERMANN (Medieval and Modern Church History).
WEINZIERL, KARL (History of Ecclesiastical Law).
ZIEGLER, ADOLF WILHELM (Ancient Church History, Patrology).

Faculty of Law:
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DIETZ, ROLF (Labour, Civil and Industrial Law).
ENGISCH, KARL (Criminal Law and Procedure, Jurisprudence).
FERID, MURAD (International Private Law).
GERNER, FRICH (Roman and Ancient Law; Public Law).
GRUNDMANN, SIEGFRIED (Public Law).
KRAUSE, HERMANN (History of Law).
KUNKEL, WOLFGANG (Roman and Civil Law).
LARENZ, KARL (Civil Law and Philosophy of Law).
MAUNZ, THEODOR (Public Law).
MAURACH, REINHART (Criminal Law and Procedure).
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SPANNER, HANS (Public Law).
ULMER, EUGEN (Private International Law).

Faculty of Political Economy:
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BACKMUND, FRITZ (Forestry Surveying).
BECKMANN, LIESEL (Commercial Economics).
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GROSS, HERMAN (South-east European Economy and Society).
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HINTNER, OTTO (Commercial Economics).
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KELLERER, HANS (Statistics).
KOLLMANN, FRANZ (Wood Technology).
KÖSTLER, JOSEF NIKOLAUS (Forestry).
LAATSCH, WILLI (Soil Science).
LÜTGE, FRIEDRICH (Economics and Economic History).
MAHR, WERNER (Political Economy).
MAIER, HANS (Political Economy).
MÖLLER, HANS (Political Economy).
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PREISER, ERICH (Economic and Social Sciences).
RAUPACH, HANS (Eastern European Economy and Society).
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SCHERPF, PETER (Economics).
SPEER, JULIUS (Forest Economics).
THIEL, ERICH (Economic Geography).
VOEGELIN, ERIC (Political Science).
ZWÖLFER, WILHELM (Applied Zoology).

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BICKENBACH, WERNER (Obstetrics and Gynæcology).
BODECHTEL, GUSTAV (Internal Medicine).
v. BRAUNBEHRENS, HANS (Physiotherapy, Radiology).
BÜNGELER, WALTER (Pathology).
BUTENANDT, ADOLF (Physio-chemistry).
EYER, HERMANN (Bacteriology).
FIKENTSCHER, RICHARD (Gynæcology and Obstetrics).
HEISS, JOSEF (Dentistry).
HERRMAN, ALEXANDER (Oto-Rhino-Laryngology).
HOLLE, FRITZ (Special Surgery).
KIESE, MANFRED (Pharmacology and Toxicology).
KOLLE, KURT (Psychiatry and Neurology).
LANGE, MAX (Orthopaedics).
LANZ, TITUS VON (Anatomy).
LAVES, WOLFGANG (Forensic Medicine).
LEIBBRAND, WERNER (History of Medicine).
MARCHIONINI, ALFRED (Dermatology and Syphilology).
ROHRSCHNEIDER, WILHELM (Ophthalmology).
SCHWIEGK, HERBERT (Internal Medicine).
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WISKOTT, ALFRED (Pediatrics).
ZENKER, RUDOLF (Surgery).

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BAUER, HEINRICH (Animal Breeding).
BRÜGGEMANN, JOHANNES (Physiology).
GRAU, HUGO (Anatomy and Histology).
KOTTER, LUDWIG (Food).
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SEDLMEIER, HANS (General Pathology and Pathological Anatomy).

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ULLRICH, KONRAD (Internal Veterinary Medicine).
WESTHUES, MELCHIOR (Surgery and Ophthalmology).
ZIPF, KARL (Pharmacology, Toxicology and Pharmacy).

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BETZ, WERNER (German Philology).
BISCHOFF, BERNHARD (Medieval Latin Philology).
BOSL, KARL (Bavarian History).
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CLEMEN, WOLFGANG (English Philology).
EGERMANN, FRANZ (Classical Philology).
FRANKE, HERBERT (Civilisation and Languages of East Asia).
FRIEDMANN, FRIEDRICH GEORG (History of North American Culture).
FRITZ, KURT VON (Classical Philology).
GEORGIADES, THRASYBULOS (Music).
GRASSI, ERNESTO (Philosophy of Humanism).
GUARDINI, ROMANO (Philosophy of Religion).
HAMMITZSCH, HORST (Japanology).
HANIKA, JOSEF (Folklore).
HOFFMANN, HELMUT (Indology and Iranian Studies).
HOMANN-WEDEKING (Classical Archæology).
KISSLING, HANS JOACHIM (Oriental History).
KOSCHMIEDER, ERWIN (Slavonic and Baltic Philology).
KUHN, HELMUT (History of American Civilisation).
KUHN, HUGO (German Philology).
KUNISCH, HERMANN (History of Modern German Literature).
LERSCH, PHILIPP (Psychology and Philosophy).
MÜLLER, HANS WOLFGANG (Egyptology).
MÜLLER, MAX (Philosophy).
RHEINFELDER, HANS (Romance Philology).
ROEGEL, OTTO B. (Journalism).
SCHENK VON STAUFFENBERG, GRAF ALEXANDER (Ancient History).
SCHMAUS, ALOIS (Slavonic Philology).
SCHNABEL, FRANZ (History).
SEDLMAYR, HANS (Medieval and Modern Art History).
SEKOMMODAU, HANS (Romance Philology).
SPITALER, ANTON (Semitic Philology).
SPÖRL, JOHANNES (History).
STADTMÜLLER, GEORG (Eastern European History).
STEGMÜLLER, WOLFGANG (Philosophy).
WERNER, JOACHIM (Pre- and Early History).
WISSMANN, WILHELM (General and Indo-Germanic Linguistics).
WÖLCKEN, FRITZ (English Philology).

Faculty of Natural Sciences:
ANGENHEISTER, GUSTAV (Geophysics).
AUTRUM, HANSJOCHEM (Zoology and Comparative Anatomy).
BAMANN, EUGEN (Pharmaceutical and Food Chemistry).
BOPP, FRITZ (Theoretical Physics).
BRAUNER, LEO (Botany).
DEHM, RICHARD (Palæontology and Historical Geology).
FAESSLER, ALFRED (Experimental Physics).
FISCHER, ERNST OTTO (Inorganic Chemistry).
GERLACH, WALTHER (Experimental Physics).
HEINZ, ERHARD (Applied Mathematics).
HÖRHAMMER, LUDWIG (Pharmacology).
HUISGEN, ROLF (Organic Chemistry).
KAESTNER, ALFRED (Special Zoology).
KNESER, MARTIN (Mathematics).
KOECHER, MAX (Mathematics).
LOUIS, HERBERT (Geography).
LYNEN, FEODOR (Chemistry).
MAUCHER, ALBERT (General and Applied Geology and Mineralogy).
MENZER, GEORG (Crystallography and Mineralogy).
MERXMÜLLER, HERMANN (Botany).
MÖLLER, FRITZ (Meteorology).
RICHTER, HANS (Mathematical Statistics).
ROLLWAGEN, WALTER (Experimental Physics).
SALLER, KARL (Anthropology).
SCHLÜTER, ARNULF (Theoretical Physics).
SCHMIDT, ROBERT (Mathematics).
SCHOBER, HERBERT (Medical Optics).
SCHWAB, GEORG-MARIA (Physical Chemistry).
STEIN, KARL (Mathematics).
WELLMANN, PETER (Astronomy)
WIBERG, EGON (Inorganic Chemistry).

ATTACHED INSTITUTE:
Institut für Zeitungswissenschaft: (*Institute for Press Research*): Dir. Prof. Dr. OTTO B. ROEGELE.

WESTFÄLISCHE WILHEMS-UNIVERSITÄT MÜNSTER

MÜNSTER, SCHLOSSPLATZ 2

Telephone: 4901

Founded 1780.

Rector: Prof. Dr. HEINZ BITTEL.
Pro-Rector: Prof. JOACHIM RITTER.
Librarian: Dr. GERHARD LIEBERS.

Number of teachers: 530, including 143 Ordinary Professors.

Number of students (1963): 10,376 men, 3,648 women, total 14,024.

DEANS:

Faculty of Evangelical Theology: Prof. Dr. W. SCHÜTZ.
Faculty of Catholic Theology: Prof. Dr. GLAZIK.
Faculty of Law and Political Science: Prof. Dr. FIKENTSCHER.
Faculty of Medicine: Prof. Dr. HAUSS.
Faculty of Philosophy: Prof. Dr. GOLLWITZER.
Faculty of Mathematics and Natural Sciences: Prof. Dr. SCHULTE.

PROFESSORS:

Faculty of Evangelical Theology:
ALAND, KURT (Ecclesiastical History).
FÖRSTER, WERNER (New Testament).
HESSE, FRANZ (Old Testament Theology and Exegesis).
JACOBS, PAUL (Reformed Theology).
KINDER, ERNST (Dogma and History of Theology).
KITTELM, HELLMUTH (Religious Pedagogy).
MARXSEN, WILLI (New Testament Exegesis and Theology).
RENGSTORF, KARL HEINRICH (New Testament Theology and Exegesis).
SCHÜTZ, WERNER (Practical Theology).
STUPPERICH, ROBERT (Ecclesiastical History).
WENDLAND, HEINZ-DIETRICH (Christian Social Sciences).

Faculty of Catholic Theology:
ANTWEILER, ANTON (General Religious Studies).
EISING, HERMANN (Old Testament Exegesis).
FILTHAUT, THEODOR (Pastoral Theology).
GLAZIK, JOSEF P. (Missionary Sciences).
GNILKA, JOACHIM (Contemporary History of the Bible).
HEGEL, EDUARD (Medieval and Modern Church History).
HEINEN, WILHELM (Moral Theology).
KESSLER, PETER JOSEF (Church Law).
KÖTTING, BERNHARD (Ancient Church History).
LENGELING, EMIL (Science of Liturgy).
METZ, JOHANNES BAPT. (Fundamental Theology).
PIEPER, JOSEF (Philosophical Anthropology).
RATZINGER, JOSEF (Dogmatics).

Faculty of Law and Political Science:
BOETTCHER, ERIK (Economics and Social Policy).
BROX, HANS (Civil and Industrial Law).
CLAESSENS, DIETER (Sociology).
DEUTSCH, PAUL (Business Economics).
FIKENTSCHER, WOLFGANG (Civil Law, International Law).
GMÜR, RUDOLF (History of German Law, Civil Law).
GÜLICHER, HERBERT (Statistics and Econometrics).
HOFFMANN, WALTHER (Political Economy).
KLEIN, FRIEDRICH (National and International Law).
KOCH, HELMUT (Business Economics).
LUKES, RUDOLF (German Public Law, Commercial Law and Civil Law).
MESTMACKER, ERNST-JOACHIM (Civil and Commercial Law).
MÜLHAUPT, RUDOLF (Business Economics).
NÖRR, DIETER (Roman and Civil Law).
PACK, LUDWIG (Buisiness Economics).
PFEFFER, KARL HEINZ (Sociology of the Underdeveloped Countries).
SCHELSKY, HELMUT (Sociology).
SCHNEIDER, KARL (Economics).
SCHNETTLER, ALBERT (Commercial Economics).

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SCUPIN, HANS-ULRICH (Public Law, Philosophy of Law).
STREE, WALTER (Penal Law and Procedure).
TIMM, HERBERT (Economics).
WESTERMANN, HARRY (Civil Law and Procedure).
WOLFF, HANS JULIUS (Public Law, Jurisprudence).

Faculty of Medicine:
BECHER, HELMUT (Anatomy).
DOMAGK, GERHARD (Pathology).
GIESE, WILLY (Pathology and Pathological Anatomy).
GOECKE, HERMANN (Gynæcology and Obstetrics).
HAUSS, WERNER (Internal Medicine)
HEPP, OSKAR (Orthopædics).
ISSEL, PAUL (Dentistry).
JORDAN, PAUL (Dermatology and Venerology).
LEHNARTZ, EMIL (Physiological Chemistry).
LOESER, ARNOLD (Pharmacology and Toxicology).
MAI, HERMANN (Pediatrics).
MAUZ, FRIEDRICH (Psychiatry and Neurology).
MÜNDNICH, KARL (Treatment of the Nose, Ear and Throat).
PFEFFERKORN, GERHARD (Medical Electronmicroscopy).
PONSOLD, ALBERT (Forensic Medicine).
REPLOH, HEINRICH (Hygiene and Bacteriology).
RIEHM, WOLFGANG (Ophthalmology).
ROTHSCHUH (Medical History).
SCHÜTZ, ERICH (Physiology).
SUNDER-PLASSMANN, PAUL (Surgery).
VERSCHUER, OTMAR Frhr. VON (Genetics).
WANNENMACHER, EUGEN (Dentistry).

Faculty of Philosophy:
BRINKMANN, HENNIG (Medieval Latin Poetry).
DICKENMANN, ERNST (Slavonic Language and Literature).
DÖPP-VORWALD, HEINRISH (Pedagogy).
DÖRRIE, HEINRICH (Classical Philology).
ESCHMANNN, ERNEST WILHELM (Philosophy of Civilization).
FABIAN, BERNHARD (English Philosophy).
FOERSTE, WILLIAM (Low German Philology and Folklore).
GOLLWITZER, HEINZ (Modern Political and Social History).
GRIMM, TILEMANN (Sinology).
HAGER, WERNER (History of Art).
HARTMANN, PETER (General and Comparative Philology).
HAUCK, KARL (Medieval History).
HELLMANN, MANFRED (East European History).
HERDING, OTTO (Medieval and Modern History).
HILTBRUNNER, OTTO (Classical Philology).
HOFMANN, DIETRICH (German Philology).
KAULBACH, FRIEDRICH (Philosophy).
KORTE, WERNER (Musicology).
LAUSBERG, HEINRICH (Romance Philology).
LICHTENSTEIN, ERNST (Pedagogy).
MERTNER, EDGAR (English Philology).
METTMANN, WALTER (Roman Philology).
METZGER, WOLFGANG (Psychology).
MOST, OTTO (Philosophy).
OTT, KARL AUGUST (Romance Philology).
PRAKKE, HENDRICUS JOHANNES (Journalism).
PREISENDANZ, WOLFGANG (History of Modern German Literature)
RASCH, WOLFDIETRICH (German Philology).
RAUMER, KURT VON (Medieval and Modern History).
RITTER, JOACHIM (Philosophy).
SCHERL, MARTIN (Classical Philology).
SCHIER, BRUNO (German and Comparative Folklore).
SCHNEIDER, KARL (English Philology).
SCHRIMPF, HANS JOACHIM (Medieval and Modern German Literature).
SODEN, WOLFRAM FREIHERR VON (Ancient Semitic Philology and Ancient Oriental History).
STADE, KURT (Ancient History).
STIER, HANS-ERICH (Ancient History).
TACKENBERG, KURT (Pre-History and Ancient History).
TRÄNKLE, HERMANN (Classical Philology).
WEGNER, MAX (Archæology).
WEHR, HANS (Oriental Studies).
WEYDT, GÜNTHER (Modern German Literature).
WOLF, WALTHER (Egyptology).

Faculty of Mathematics and Natural Sciences:
ACKER, LUDWIG (Food Chemistry).
BEHNKE, HEINRICH (Mathematics).
BIER, KARL-HEINZ (Zoology).
BITTEL, HEINZ (Applied Physics).
BLÜTHGEN, JOACHIM (Geography).
BROCKAMP, BERNHARD (Geophysics).
FRANZ, WALTER (Theoretical Physics).
GUNDERMANN, KARL-DIETRICH (Organic Chemistry).
HARDER, HERMANN (Petrology).
HERMES, JOHANN (Mathematical Logic and Fundamentals).
HEUMANN, THEODOR (Metallography).
HUSTER, ERICH (Nuclear Physics).
KAPPLER, EUGEN (Experimental Physics).
KLEMM, WILHELM (Inorganic Chemistry).
LOTZE, FRANZ (Geology and Palæontology).
MICHEEL, FRITZ (Chemistry).
MÜLLER-WILLE, WILHELM (Geography).
PETERSSON, HANS (Mathematics).
RENSCH, BERNHARD (Zoology).
REZNIK, HANS (Botany).
SCHÄFER, HARALD (Inorganic-Analytical Chemistry).
SCHRATZ, EDUARD (Pharmaceutical Botany).
SCHULTE, KARL ERNST (Pharmacy).
STRASSL, HANS (Astronomy).
ULM, HELMUT (Pure and Applied Mathematics).
UMLAND, FRITZ (Inorganic Chemistry).
WICKE, EWALD (Physical Chemistry).
WITTING, HERMANN (Mathematical Statistics).
ZINNER, GERWALT (Pharmaceutical Chemistry).

UNIVERSITÄT DES SAARLANDES

SAARBRÜCKEN 15
Telephone: 21351

Founded by the Government of the Saar, 1948.

Rector: Prof. Dr. jur. GERHARD KIELWEIN.
Pro-Rector: Prof. Dr. phil. HELMUT STIMM.
Administrator: Dr. jur. F. LETZELTER.
Librarian: Prof. Dr. phil. HANS CORDES.

Number of teachers: 462, including 115 ordinary and extra-ordinary professors.

Number of students: 6,417.

Publications: *Annales Universitatis saraviensis* (quarterly): 4 edns., *Rechts- und Wirtschaftswissenschaften, Philosophie, Medizin, Scientia.*

DEANS:

Faculty of Law and Economics: Prof. Dr. jur. SEVOLD BRAGA.
Faculty of Medicine (at Hamburg): Prof. Dr. med. HANS-HERMANN MEYER.
Faculty of Philosophy: Prof. Dr. phil. HERMANN KRINGS.
Faculty of Natural Sciences: Prof. Dr. rer. nat. GUSTAF DE LATTIN.

PROFESSORS:

Faculty of Law and Economics:
AUBIN, BERNHARD (German and Comparative Civil Law).
BRAGA, SEVOLD (International Private Law and Civil Law).
CONSTANTINESCO, LÉONTIN (Juridical Science).
FROMONT, MICHEL (French Public Law).
GIERSCH, HERBERT (Economics).
GOERGEN, JOSEPH (State Church Law and Canon Law).
JAHR, GÜNTHER (Roman and Civil Law, International Private Law, Comparative Law).
KAUFMANN, ARTHUR (Penal Law and Procedure, Philosophy of Law).
KIELWEIN, GERHARD (German and Foreign Criminal Law, Criminal Procedure and Criminology).
KILGER, WOLFGANG (Industrial Economics).
LIEFMANN-KEIL, ELISABETH (Economics).
LÜKE, GERHARD (Procedural Law).
MAIHOFER, WERNER (Philosophy of Law, Penal Law and Criminal Law).
MENGES, GÜNTER (Statistics and Econometrics).
MOXTER, ADOLF (Working Capital).
OTT, ALFRED (National Economy, with special reference to Economic Theory).
SEIDL-HOHENVELDERN, IGNAZ (Constitutional and International Law).
SENF, PAUL (Economics and Finance).
SOHMEN, EGON (Economic Science).

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STÜTZEL, WOLFGANG (Industrial Economics and Banking).
WEGENER, WILHELM (German and Comparative Legal History, Social Law).
WEHRHAHN, HERBERT (Constitutional and Administrative Law).
WÖHE, GÜNTER (Industrial Economics, especially Taxation).
WOLANY, JOSEF (Civil Law).
ZACHER, HANS (State, Government and Church Law).

Faculty of Medicine:
ALKEN, CARL-ERICH (Urology).
AMMON, ROBERT (Physiological Chemistry).
CHAPCHAL, GEORG (Orthopædics).
DOENECKE, FRIEDRICH (Internal Medicine).
FALK, PAUL (Oto-Rhino-Laryngology).
HAUNFELDER, DAVID (Teeth, Mouth and Jaw Therapeutics).
KREIBIG, WILHELM (Ophthalmology).
KULENKAMPFF, HELMUT (Anatomy).
LIMBURG, HANS (Obstetrics and Gynæcology).
LOEW, FRIEDRICH (Neurosurgery).
LÜDEKE, HEINRICH (Surgery).
MAYER, J. B. (Children's Diseases).
MEYER, HANS-HERMANN (Psychiatry and Neurology).
MUTH, HERMANN (Biophysics).
NÖDL, FRITZ (Dermatology).
PASSOW, HERMANN (Physiology).
ROLSHOVEN, ERNST (Anatomy).
ROTTER, WERNER (Pathological Anatomy).
RUMMEL, WALTER (Pharmacology and Toxicology).
SOMMER, FRANZ (Medical Radiology).
STÄMPFLI, ROBERT (Physiology).
SYMANSKI, HANS-JOACHIM (Medicine).
WOLFF, HANS PETER (Internal Medicine).
ZIMMERMANN, WILHELM (Hygiene and Microbiology).

Faculty of Philosophy:
AITZETMÜLLER-SADNIK, LINDA (Slavonic Studies).
AMMANN, HEKTOR (History of Economics).
BAADER, HORST (Romantic Philology and Literature).
BANULS, ANDRÉ (Modern German Literature).
BAUER, ROGER (Literature).
BOESCH, ERNST (Psychology).
VON BRANDENSTEIN, BÉLA (Philosophy).
BUISSON, LUDWIG (Medieval History).
DIGEON, CLAUDE (Modern French Literature).
DOLCH, JOSEF (Pedagogy).
EGGERS, HANS (Germanic and German Philology).
ERZGRÄBER, WILLI (English Philology).
FINKENSTAEDT, THOMAS (English Philology, with special reference to Language and Early Literature).
GÄTJE, HELMUT (Eastern Studies).
HACHMANN, ROLF (Prehistory).
HIMMELMANN-WILDSCHÜTZ, NIKOLAUS (Classical Archæology).
KRINGS, HERMANN (Philosophy).
LANGEN, AUGUST (Modern German Studies).
LUTZ, HEINRICH (Modern History).
MAYRHOFER, MANFRED (Comparative Philology).
MÜLLER-BLATTAU, JOSEPH (Musicology).
RATHJENS, CARL (Geography).
REPGEN, KONRAD (Modern History).
SCHEEL, HANS LUDWIG (Romantic Philology and Literature).
SCHMITHÜSEN, JOSEPH (Geography).
SCHMOLL gen. EISENWERTH, J. ADOLF (History of Art).
SCHMITTHEMMER, WALTER (Ancient History).
STARK, RUDOLF (Classical Philology).
STIMM, HELMUT (Romance Philology).

Faculty of Natural Sciences:
ASHWORTH, MICHAEL (Analytical Chemistry).
BIELIG, HANS-JOACHIM (Biochemistry).
DAWIHL, WALTER (Materials Technology).
DÖRR, JOHANNES (Applied Mathematics).
ECKART, GOTTFRIED (Electrotechnics).
EISTERT, BERND (Organic Chemistry).
FIRTION, FRIDOLIN (Geology).
FRAGSTEIN, CONRAD VON (Experimental Physics).
LAMPRECHT, ERICH (Mathematics).
DE LATTIN, GUSTAF (Zoology).
MAUE, AUGUST-WILHELM (Physics).
PUPPE, DIETER (Mathematics).
ROST, FRANZ (Mineralogy).
SAALFELD, HORST (Sociological Research).
SCHMAHL, NORBERT G. (Physical Chemistry).
SEEL, FRIEDRICH (Inorganic Chemistry).
SEEMANN, HUGO (Physics of Metals and Metallurgy).
SÖHNGEN, HEINZ (Mathematics).
STAHL, EGON (Pharmacognosy).
WEGNER, UDO (Technical Mechanics).
WULFF, HEINZ DIEDRICH (Botany).

Institute of European Studies:
CONSTANTINESCO, LEONTIN, Dr. ès Sc. jur., pol., écon.

Interpreters' Institute:
LOTTER, HEINRICH, Dr. Phil.

Institute of Physical Education:
HANEBUTH, OTTO, Dr. Phil.

EBERHARD-KARLS-UNIVERSITÄT
TÜBINGEN
Telephone: 711
Founded 1477.

Rector: Prof. Dr. WOLF V. ENGELHARDT.
Pro-Rector: Prof. Dr. THEODOR ESCHENBURG.

Number of teachers: 452, including 149 Ordinary Professors.
Number of students: 7,712 men, 3,193 women, total 10,905.

DEANS:

Faculty of Evangelical Theology: Prof. D. H. RÜCKERT.
Faculty of Catholic Theology: Prof. Dr. H. HAAG.
Faculty of Law and Political Economy: Prof. Dr. H. SCHRÖDER.
Faculty of Medicine: Prof. Dr. K. BRECHT.
Faculty of Philosophy: Prof. Dr. H. WILHELMY.
Faculty of Mathematics and Natural Sciences: Prof. Dr. G. MÖLLENSTEDT.

PROFESSORS:

Faculty of Evangelical Theology:
DIEM, HERMANN (Systematic Theology).
ELLIGER, KARL (Old Testament).
ELTESTER, WALTHER (Church History).
GALLING, KURT (Biblical Archæology).
GESE, HARTMUT (Old Testament).
JETTER, WERNER (Practical Theology).
KÄSEMANN, ERNST (New Testament).
KÖBERLE, ADOLF (Systematic Theology).
LANG, FRIEDRICH (New Testament).
MICHEL, OTTO (New Testament).
ROSENKRANZ, GERHARD (Missionary Science).
RÜCKERT, HANNS (Church History).
STEINBACH, ERNST (Philosophy of Religion and Social Ethics).
UHSADEL, WALTER (Practical Theology).

Faculty of Catholic Theology:
ARNOLD, FRANZ (Pastoral Theology).
FINK, KARL AUGUST (Church History and Christian Archæology).
FLATTEN, HEINRICH (Ecclesiastical Law).
HAAG, HERBERT (Old Testament Theology).
KUENG, HANS (Fundamental Theology).
MÖLLER, JOSEPH (Scholastic Philosophy).
SCHEFFCZYK, LEO (Dogmatics).
SCHELKLE, KARL HERMANN (New Testament Theology).
STELZENBERGER, JOHANNES (Moral Theology).

Faculty of Law and Political Economy:
Department of Law
BACHOF, OTTO (Public Law).
BAUMANN, JÜRGEN (Penal Law and Criminal Law).
BAUR, FRITZ (Civil Law and Law of Procedure).
DÜRIG, GÜNTER (Public Law).
EISSER, GEORG (Civil, Roman and Commercial Law).
ESSER, JOSEF (Civil Law, Law of Procedure, Philosophy of Law, Comparative and Insurance Law).
ELSENER, FERDINAND (German Law and Church Law).
ERBE, WALTER (Roman and Civil Law).
ESCHENBURG, THEODOR (Political Science).
FECHNER, ERICH (Philosophy of Law, Commercial and Industrial Law).
GERNHUBER, JOACHIM (History of German Law, Civil Law Commercial Law).
GÖPPINGER, HANS (Criminology).

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HECKEL, MARTIN (Public and Canon Law).
PETERS, KARL (Penal Law).
RAISER, LUDWIG (Civil Law, Commercial Law).
SCHRÖDER, HORST (Criminal Law).
SCHÜLE, ADOLF (Public Law.)
STEINDORFF, ERNST (Civil Law, Industrial Law, International Private Law).

Department of Political Economy

ARNDT, ERICH (Economics).
BORN, ERICH KARL (Economic and Social History).
BRANDT, KARL (Political Economy).
DAHRENDORF, RALF (Sociology).
JOHNS, RUDOLF (Industrial Economics).
KOCH, WOLDEMAR (Economics).
KLOTEN, NORBERT (Economics).
POHMER, DIETER (Industrial Economics).
STRECKER, HEINRICH (Statistics).

Faculty of Medicine:

BADER, RICHARD ERNST (Hygiene).
BAUER, ROBERT (Medical Radiology).
BETKE, KLAUS (Childrens' Diseases).
BOCK, HANS-ERHARD (Internal Medicine).
BRECHT, KARL (Physiology).
VON BRUNN, WALTER (History of Medicine).
DICK, WALTER (Surgery).
FISCHER, LUDOLPH (Tropical Medicine).
FRÖHLICH, EUGEN (Orthodontics).
GIESELER, WILHELM (Anthropology).
GRAUMANN, WALTHER (Anatomy).
HARMS, HEINRICH (Ophthalmology).
LEMBECK, FRED (Pharmacology).
LETTERER, ERICH (Pathology).
PULEWKA, PAUL (Toxicology).
ROEMER, HANS (Gynæcology and Obstetrics).
SCHNEIDER, WILHELM (Dermatology).
SCHULTE, WALTER (Psychiatry and Neurology).
SCHWARZ, MAX (Oto-Rhino-Laryngology).
WEITZEL, GÜNTHER (Physiological Chemistry).

Faculty of Philosophy:

AITZETMÜLLER, RUDOLF (Slavonic Philology).
BAUSINGER, HERMANN (German Folklore).
BEISSNER, FRIEDRICH (German Philology).
BENGTSON, HERMANN (Ancient History).
BOLLNOW, OTTO FRIEDRICH (Philosophy).
BRINKMANN, RICHARD (Modern German Studies).
COSERIU, EUGENIO (Romance Philology).
DAHRENDORF, RALF (Sociology).
DECKER-HAUFF, HANS-MARTIN (Regional History and Historical Auxiliary Sciences).
ENGEL, JOSEF (Medieval and Modern History).
ESCHENBURG, THEODOR (Political Science).
FISCHER, HANNS (German Philology).
FLITNER, ANDREAS (Pedagogies).
FUHRMANN, HURST (Medieval History).
GERSTENBERG, WALTER (Music).
HALBACH, KURT HERBERT (German Philology).
HAUSMANN, ULRICH (Classical Archæology).
HOMMEL, HILDEBRECHT (Classical Philology).
KIMMIG, WOLFGANG (Pre-history and Ancient History).
KRAHE, HANS (Comparative Languages and Slavonic Studies).
LÖWE, HEINZ (Medieval and Modern History).
MARCHAND, HANS (English Philology).
MARKERT, WERNER (History of Eastern Europe).
MOHR, WOLFGANG (German Philology).
MÜLLER-SCHWEFE, GERHARD (English Philology).
PARET, RUDI (Semitic and Islamic Studies).
SCHADEWALDT, WOLFGANG (Classical Philology).
SCHRADE, HUBERT (History of Art).
SCHUBEL, FRIEDRICH (English Philology).
SCHULZ, GERHARD (Contemporary History).
SCHULZ, WALTER (Philosophy).
SCHWALM, HANS (Geography of Eastern Europe).
STROHEKER, KARL FRIEDRICH (Ancient History).
THIEME, PAUL (Indology, Comparative Religion).
ULMER, KARL (Philosophy).
WAIS, KURT (Comparative Literature).
WANDRUSZKA VON WANSTETTEN, MARIO (Romance Philology).
WILHELM, JULIUS (Romance Philology).
WILHELMY, HERBERT (Geography).
WITTE, WILHELM (Psychology).
ZEEDEN, E.-W. (Medieval and Modern History).
ZIEGLER, KLAUS (German Language and Literature).
ZINN, ERNST (Classical Philology).

Faculty of Mathematics and Natural Sciences:

BRAUNBEK, WERNER (Theoretical Physics).
BÜNNING, ERWIN (Botany).
ENGELHARDT, WOLF Frhr. VON (Mineralogy).
GIESELER, WILHELM (Anthropology).
GRELL, KARL GOTTLIEB (Zoology).
KNESER, HELLMUTH (Mathematics).
KORTÜM, GUSTAV (Physical Chemistry).
KRÜGER, HUBERT (Experimental Physics).
MÄGDEFRAU, KARL (Botany).
MÖHRES, FRANZ PETER (Zoology).
MÖLLENSTEDT, GOTTFRIED (Experimental and Applied Physics).
MÜLLER, EUGEN (Applied Chemistry).
MÜLLER, MAX (Mathematics).
ROQUETTE, PETER (Mathematics).
RÜDORFF, WALTER (Inorganic Chemistry).
SCHINDEWOLF, OTTO (Geology and Palæontology).
SCHONENBERG, REINHARD (General and Applied Geology).
SIEDENTOPF, HEINRICH (Astronomy).
WEITZEL, GÜNTER (Physiological Chemistry).
WIELANDT, HELMUT (Mathematics).
WILHELMY, HERBERT (Geography).
ZELLER, KARL (Mathematics).

AFFILIATED INSTITUTE:

Institut für Osteuropäische Geschichte und Landeskunde: Wilhelmstr. 36; f. 1951; Prof. Dr. WERNER MARKERT, publs. *Osteuropa-Handbuch: Jugoslawien* (1954), *Polen* (1959).

JULIUS-MAXIMILIANS-UNIVERSITÄT

WÜRZBURG, SANDERRING 2

Telephone: 311

Founded 1582.

Rector Magnificus: Prof. Dr. ERNST WOLLHEIM.
Pro-Rector: Prof. Dr. ERICH CARELL.
Director of Administration: Prof. Dr. GÜNTHER BRIEGLEB.

Number of teachers: 297, including 84 Ordinary Professors.

Number of students (June 1963): 4,976 men, 1,539 women, total 6,515.

DEANS:

Faculty of Theology: Prof. Dr. ALFONS AUER.
Faculty of Law and Political Science: Prof. Dr. HANS RUCHTI.
Faculty of Medicine: Prof. Dr. HANS-WERNER ALTMANN.
Faculty of Philosophy: Prof. Dr. ERNST SIEGMANN.
Faculty of Natural Sciences: Prof. Dr. FRIEDRICH SOMMER.

PROFESSORS:

Faculty of Theology:

AUER, ALFONS (Moral Theology).
BIEDERMANN, HERMENEGILD (Eastern Christianity).
FLECKENSTEIN, HEINZ (Pastoral Theology).
FREUDENBERGER, THEOBALD (Patrology and Pastoral Theology).
HASENFUSS, JOSEF (Apologetics and Comparative Religion).
HOFMANN, FRITZ (Dogmatics).
PFEILSCHIFTER, GEORG (Ecclesiastical History, History of Christian Dogma, and Archæology).
RÖSSER, ERNST (Church Law).
SCHNACKENBURG, RUDOLF (New Testament Exegesis).
ZIEGLER, JOSEF (Old Testament Exegesis and Biblical Oriental Languages).

Faculty of Law and Political Science:

BERNEKER, ERICH (Civil and Roman Law).
CARELL, ERICH (Economics, Finance, Statistics).
HABSCHEID, WALTER (Civil and Process Law).
V.D. HEYDTE, FRIEDRICH AUGUST (German and Bavarian State and Administrative Law, Political Science).

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KÜCHENHOFF, GÜNTHER (Jurisprudence, Administrative and Constitutional Law).
LANGE, HEINRICH (Civil Law and Procedure).
LAUFKE, FRANZ (Civil and Commercial Law).
LORENZ, WERNER (Comparative Law, Civil Law and Procedure).
MIKAT, PAUL (History of German Law, Canon Law, Civil and Commercial Law).
NOWAK, PAUL (Business Management).
PAULICK, HEINZ (Financial, Economic and Social Law).
RASCHOFER, HERMANN (International Law, Law of National Minorities).
RUCHTI, HANS (Business Management).
SAX, WALTER (Criminal Law and Procedure, Philosophy of Law).
SCHAUMANN, WILFRED (Public Law).
SCHNEIDER, FRANZ PAUL (Economics, Finance, Statistics).
SPENDEL, GÜNTER (Criminal Law and Procedure).
(Vacant—Economics II, Sociology).

Faculty of Medicine:
ALTMANN, HANS WERNER (Pathology and Pathological Anatomy).
BAUEREISEN, ERICH (Physiology).
FRANKE, HANS (Medical Polyclinic).
GEBSATTEL, VIKTOR EMIL (Psychotherapy and Medical Psychology).
GERLACH, JOACHIM (Neurosurgery).
LEINBROCK, ARHTUR (Dermatology and Venerel Diseases).
NAUJOKS, RUDOLF (Dentistry).
NEUBERT, KURT (Anatomy).
NEUMANN, WILHELM (Pharmacology and Toxicology).
RÜTT, AUGUST (Orthopædics).
SCHALTENBRAND, GEORGES (Neurology).
SCHELLER, HEINRICH (Psychiatry and Neurology).
SCHIEBLER, THEODOR (Anatomy).
SCHWALM, HORST (Gynæcology and Obstetrics).
STRÖDER, JOSEF (Pediatrics).
TURBA, FRIEDRICH (Biochemistry).
WACHSMUTH, WERNER (Surgery).
WOLLHEIM, ERNST (Internal Medicine).
WULLSTEIN, HORST (Oto-Rhino-Laryngology).
(Vacant—Psychotherapy and Medical Psychology).

Faculty of Philosophy:
ARNOLD, WILHELM (Psychology).
BACH, ANNELIESE (History of Modern German Literature).
BERLINGER, RUDOLPH (Philosophy and Pedagogy).
DÜNNINGER, JOSEF (Folklore and German Philology).
EILERS, WILHELM (Oriental Philology).
GÜNGERICH, RUDOLF (Classical Philology).
HASELOFF, GÜNTHER (Pre- and Early History).
HOLTHUSEN, JOHANNES (Slavonic Studies).
ISER, WOLFGANG (English Philology).
MEYER, OTTO (Medieval and Regional History, Historical Auxiliary Sciences).
MÖBIUS, HANS (Classical Archæology).
NOACK, ULRICH (Medieval and Modern History).
RAUHUT, FRANZ (Romance Philology).
REBLE, ALFRED (Pedagogy).
REICHERT, GEORG (Musicology).
RUH, KURT (German Philology).
SIEBENHÜNER, HERBERT (Medieval and Modern History).
SIEGMANN, ERNST (Classical Philology).
STOROST, JOACHIM (Romance Philology).

Faculty of Natural Sciences:
BRIEGLEB, GÜNTHER (Physical Chemistry).
BRIESKORN, CARL HEINZ (Pharmacy and Food Technology).
BÜDEL, JULIUS (Geography).
GÖSSWALD, KARL (Zoology).
GRUNSKY, HELMUT (Mathematics).
HAHN, HARRY (Chemistry).
HÜNIG, SIEGFRIED (Chemistry).
KNETSCH, GEORG (Geology).
KRAUSE, GERHARD (Zoology and Comparative Anatomy).
KULENKAMPF, HELMUTH (Physics).
MATTHES, SIEGFRIED (Mineralogy).
ROEDIG, ALFRED (Chemistry).
SCHEER, MAX (Experimental Physics).
SCHMIDT, HERMANN (Mathematics and Astronomy).
SCHOCH, ARNOLD (Applied Physics).
SIMONIS, WILHELM (Botany).
SOMMER, FRIEDRICH (Mathematics).
STEINWEDEL, HELMUT (Theoretical Physics).
VOLK, OTTO (Botany).
(Vacant—Chemistry; Zoology and Comparative Anatomy).

TECHNICAL UNIVERSITIES

The Technische Hochschulen provide facilities comparable to those of a university, but specialise in technical subjects. They grant degrees and diplomas.

RHEINISCH-WESTFÄLISCHE TECHNISCHE HOCHSCHULE

AACHEN, TEMPLERGRABEN 55
Telephone: 4221

Founded 1870.

Rector: Prof. Dr. MARTIN SCHMEISSER.
Pro-Rector: Prof. Dr.-Ing. HELMUT WINTERHAGER.
Kanzler: FRIEDRICH Graf. STENBOCK-FERMOR.

Library: 174,000 volumes.
Director: Dr. phil. GERHART LOHSE.

Number of teachers: 313, including 108 Professors.
Number of students: 10,010.

DEANS:

Faculty of General Science and Arts: Prof. Dr. FRITZ REUTTER.
Faculty of Architecture and Civil Engineering: Prof. Dr.-Ing. EDGAR SCHULTZE.
Faculty of Mechanical and Electrical Engineering: Prof. Dr.-Ing. SIEGFRIED KIESSKALT.
Faculty of Mining and Metallurgy: Prof. Dr. HANS-ERNST SCHWIETE.
Faculty of Electrical Engineering: Prof. Dr.-Ing. VOLKER ASCHOFF.

PROFESSORS:

Faculty of General Science and Arts:
Department of Mathematics and Physics:
BUTZER, PAUL LEO (Mathematics).
CREMER, HUBERT (Mathematics).
DEUTSCHMANN, MARTIN (Physics).
FUCKS, WILHELM (Experimental Physics).
LEIBFRIED, GÜNTHER (Physical Basis of Reactor Materials).
MEIXNER, JOSEF (Theory of Physics).
MÜLLER, CLAUS (Mathematics).
REUTTER, FRITZ (Mathematics).
SCHLÖGL, FRIEDRICH (Theoretical Physics).
SCHULTZ-GRUNOW (Mechanics, Theory of Structures).
WAGNER, HERBERT (Technical Mechanics).
(Vacant—Mechanics, Applied Physics.)

Department of Chemistry:
AACH, H.-G. (Botany).
ASINGER, FRIEDRICH (Chemical Technology).
BRODERSEN, KLAUS (Inorganic and Analytical Chemistry).
FRANCK, ULRICH FROHWALT (Physical Chemistry).
KRÖGER, C. (Fuel Chemistry).
SCHMEISSER, MARTIN (Inorganic Chemistry).
STETTER, HERMANN (Organic Chemistry).
ZAHN, HELMUT (Textile Chemistry).

Department of Arts and Economics:
BIEMEL, WALTER (Philosophy).
GEHLEN, ARNOLD (Sociology).
MEHNERT, KLAUS (Political Science).

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MONHEIM, FELIX (Geography).
RÖPER, BURKHARDT (Economics and Commerce).
STANGE, KURT (Statistics and Mathematics of Economics).
STEINWACHS, F. (Psychology).
VORMBAUM, HERBERT (Science of Industrial Management).
ZIELINSKI, JOHANNES (Pedagogy).

Faculty of Architecture and Civil Engineering:

Department of Architecture:

BERKE, HUBERT (Freehand Drawing, Water-colour Painting).
BRAUNFELS, WOLFGANG (History of Art).
ELLER, J. (Industrial Building Design).
GROTKAMP, ANDREAS (Theory of Structures for Architects).
JAENECKE, FRITZ (Domestic Architecture).
KÜHN, ERICH (Town and Country Planning).
SCHACHNER, BENNO (Agricultural Architecture).
STEINBACH, RUDOLF (Building Construction).
WEYRES, WILLY (History of Architecture, Preservation of Ancient Monuments).
(Vacant—Building Design, Sculpture).

Department of Structural and Civil Engineering:

BORKENSTEIN, WILHELM (Hydrology, Hydraulics, Water Supplies).
DOMKE, H. (Building Construction).
HIRSCHFELD, KURT (Civil Engineering Structures, Concrete).
JURECKA, WALTER (Building Machines and Building Organisation).
KORTE, JOSEF (City Engineering).
LEINS, WERNER (Roads and Tunnel Construction).
LÖSCHNER, F. (Geodesy).
NEBELUNG, HERMANN (Transport and Railway Engineering).
SCHULTZE, EDGAR (Hydraulic Engineering, Foundation and Soil Mechanics).
STEIN, PHILLIP (Civil Engineering Structures, Steel and Wood).
WESCHE, KARLHANS (Building Materials).

Faculty of Mechanical Engineering:

BOLLENRATH, FRANZ (Engineering Materials).
DETTMERING, WILHELM (Turbines and Motors).
EBNER, HANS (Aircraft Construction).
ESSERS, ERNST (Automobile Design and Tractions).
FINK, MAX (Rail Traction, Cranes and Conveyers).
HENNING, ALFRED (Welding, Plastics in Industry and Crafts).
KIESSKALT, SIEGFRIED (Process Engineering).
LINKE, WERNER (Heat and Air Conditioning).
LÜRENBAUM, KARL (Design and Mechanics of Machines).
MATHIEU, JOSEPH (Industrial Management).
MEYER ZUR CAPELLAN, WALTER (Cinematics).
OPITZ, HERWART (Machine Tools and Organisation of Production).
QUICK, AUGUST-WILHELM (Aeronautics).
SACK, HANS (Agricultural Machines).
SCHÄFER, OTTO (Automatic Control).
SCHMIDT, F. A. FRITZ (Thermodynamics and Internal Combustion Engines).
SEEWALD, FRIEDRICH (Aerodynamics).
STURTZEL, WILHELM (Design of Ships and Barges for Inland Waterways).
VOLLBRECHT, E. (Practical Shipbuilding).
WEGENER, WALTHER (Textile Technology).
(Vacant—Process Engineering, Experimental Techniques in Research Reactors and Reactor Techniques).

Faculty of Mining and Metallurgy:

Department of Mining:

FRITZSCHE, HELLMUT (Mining).
GÖTTE, AUGUST (Mineral Dressing (Coal), Coking and Briquetting).
HOFFMANN, HELMUT (Mine Surveying, Subsidence Problems. Geophysical Methods in Mining).
KOCH, HEINRICH (Mining and Metallurgical Machinery).
RODE, KARL (Geology and Palæontology).
SANN, BERNHARD (Mining).
SCHACHNER, DORIS (Mineralogy and Petrography).
(Vacant—Crystallography, Mining Machines.)

Department of Metallurgy:

KNACKE, OTTMAR (Theoretical and Atomic Fuel Metallurgy).
LÜCKE, KURT (Physical Metallurgy).
PATTERSON, WILHELM (Foundry Technology).
SCHENCK, HERMANN (Ferrous Metallurgy).
SCHWIEDESSEN, HELMUTH (Construction and Thermodynamics of Industrial Furnaces).
SCHWIETE, HANS-ERNST (Glass and Ceramics).
VATER, MAX (Rolling, Pressing and Drawing of Materials).
WINTERHAGER, HELMUT (Non-Ferrous and Electrolytic Metallurgy).

Faculty of Electrical Engineering:

ASCHOFF, VOLKER (Telecommunication Engineering).
BENEKING, HEINZ (Transistor-Techniques).
DENZEL, PAUL (Technical and Economical Problems of Power Generation and Distribution).
DÖRING, HERBERT (High-Frequency Technique).
ENGL, W. (Theoretical Electronics).
FLEGLER, EUGEN (General Electrical Theory and Technology).
JANOVSKY, WILHELM (Technical Acoustics).
WIJN, H. P. I. (Materials of Electro-technology).
(Vacant—Electrical Theory, Electrical Machines, Technical Electronics, General Electro-technology, Telecommunications).

INSTITUTES ATTACHED TO THE TECHNISCHE HOCHSCHULE.

House of Technology: Essen.
Professor: KARL KREKELER (Refresher Courses and Lectures).

Technical Academy Bergisch Land e.V.: Wuppertal Barmen.
Professor: OTTO HOLFELDER.

Institute of Material Testing: Aachen.
Secretary: Prof. EUGEN SCHMIDT MANN.

Institute of Plastics Technology: Aachen.
Professor: A. H. HENNING.

Institute of Research in Manufacturing Processes: Aachen
Professor: SIEGFRIED KIESSKALT.

German Wool Research Institute: Aachen.
Professor: HELMUT ZAHN.

Experimental Station for Inland Ship Building: Duisburg.
Professor: WILHELM STURTZEL.

Institute of Research in Rationalisation: Aachen.
Professor: JOSEPH MATHIEU.

Institute for International Technical Co-operation:
Professor: HERMANN SCHENCK.

Studienkolleg für ausländische Studierende: Aachen.
Head: Jos. PICHLER, Oberstudienrat.

TECHNISCHE UNIVERSITÄT

BERLIN-CHARLOTTENBURG 2,
HARDENBERGSTRASSE 34
Telephone: 32 5181

The Bauakademie (Building Academy) of Berlin (f. 1799) and the Bauakademie und Gewerbeakademie (f. 1821) were amalgamated in 1879 as the Technische Hochschule Berlin; which was opened under its present name on April 9th, 1946.

Rector Magnificus: Prof. Dr. rer. nat. PAUL HILBIG.
Pro-Rector: Prof. Dr.-Ing. FRIEDRICH-WILHELM GUNDLACH.
Librarian: Dr. phil. PAUL KAEGBEIN.

Library: 200,000 vols., 300,000 patent specifications, 18,000 doctoral dissertations.

Number of teachers: 265, including 132 Professors.

Number of students: 9,600, including 950 foreign students.

Publications: *Humanismus und Technik* (3 times yearly), *Mitteilungsblatt der Technischen Universität Berlin* (3 times yearly), *Vorlesungsverzeichnis und Programm der Technischen Universität Berlin* (yearly).

DEANS:

Faculty of Humanistic Studies: Prof. Dr. phil. KURT HÜBNER.
Faculty of Science: Prof. Dr. phil. HERMANN SLEVOGT.
Faculty of Architecture: Prof. Dipl.-Ing. PETER KOLLER.
Faculty of Civil Engineering: Prof. Dr.-Ing. HEINRICH PRESS.

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Faculty of Mechanical Engineering: Prof. Dr.-Ing. KARL-AUGUST RECKLING.
Faculty of Agriculture: Prof. Dr. agr. HORST RIETHUS.
Faculty of Mining and Metallurgy: Prof. Dr.-Ing. habil. HORST WAGON.
Faculty of Economics: Prof. Dr. oec. publ. habil. ALFRED KRUSE.
Faculty of Electrical Engineering: Prof. Dr.-Ing. LOTHAR CREMER.

PROFESSORS:

Faculty of Humanistic Studies:
BAUMGART, FRITZ (Art History).
HELMCKE, JOHANN-GERHARD (Biology).
HÖLLERER, WALTER (Literature).
HÜBNER, KURT (Philosophy).
KIRCHHOFF, ROBERT (Psychology).
VON RANTZAU, JOHANN ALBRECHT (History).
STUCKENSCHMIDT, HANS HEINZ (History of Music).
SCHLÜTER, KURT (English Language and Literature).
VALENTIN, HARTMUT (Geography).

Faculty of Science:
BOERSCH, HANS (Experimental Physics).
BOHLMANN, FERDINAND (Organic Chemistry).
GOBRECHT, HEINRICH (Experimental Physics).
HAACK, WOLFGANG (Mathematics and Mechanics).
HELLWIG, GÜNTER (Mathematics).
HENGLEIN, ARNIM (Physical Nuclear Chemistry).
JÄCKEL, CARL (Mathematics).
KÄHLER, ERICH (Pure and Applied Mathematics).
KÖLBEL, HERBERT (Technical Chemistry).
LEICHTWEISS, KURT (Geometry).
MOHR, ERNST (Mathematics).
NARATH, ALBERT (Applied Photographic Chemistry).
PÄSLER, MAX (Theoretical Physics).
SCHENK, PETER WOLFGANG (Inorganic Chemistry).
SCHORMÜLLER, JOSEF (Food Chemistry).
SLEVOGT, HERMANN (Technical Optics).
WITT, HORST T. (Physical Chemistry and Electro-Chemistry).

Faculty of Architecture:
BICKENBACH, HELLMUTH (Statics).
BRESSLER, HULLMUT (Structural Design).
DÜBBERS, KURT (Architectural Design and Theory of Architecture).
EGGELING, FRITZ (City Planning).
HAMMERBACHER, HERTA (Landscape Gardening).
HEINRICH, ERNST (History of Architecture).
HERMKES, BERNHARD (Design of Industrial Buildings).
KOLLER, PETER (City Planning).
KREUER, WILHELM (Architectural Design and Theory of Architecture).
PIEPER, VINCENZ (Drawing and Painting).
POELZIG, PETER (Architectural Design and Theory of Architecture).
REUTER, ERICH (Sculpturing).
SAND, WOLF (Interior Design).
SCHWENNICKE, CARL-HEINRICH (Interior Design).
UNGERS, OSWALD MATHIAS (Architectural Design and Theory of Architecture).

Faculty of Civil Engineering:
BURKHARDT, RUDOLF (Photogrammetry and Cartography).
FAUNER, WILHELM ERNST (Mechanical Engineering in Construction Industries).
GERLACH, ERNST (Water Supply and Sewerage).
GRASSMANN, EWALD (Railway Engineering).
VON HALASZ, ROBERT (Structural Design).
HUNGER, FRITZ (Surveying).
KOEPCKE, WERNER (Structural Design, Concrete).
LORENZ, JOHANNES (Foundations and Soil Mechanics).
MÜHLIG, FRITZ (Advanced Geodesy and Astronomy).
PILNY, FRANZ (Materials).
PRESS, HEINRICH (Hydraulic Engineering).
ROIK, KARLHEINZ (Structural Design, Steel).
SZABO, ISTVAN (Mechanics).
TEICHMANN, ALFRED (Statics).
TROSTEL, RUDOLF (Mechanics).
WEHNER, BRUNO (Transportation Systems).

Faculty of Mechanical Engineering:
AMTSBERG, HANS (Ship Design).
CORNELIUS, ERNST-AUGUST (Elements of Machines).
FEDERN, KLAUS (Elements of Machines).
GIENCKE, ERNST (Mechanics).
GREGORIG, ROMANO (Power Plants).
HERTEL, HEINRICH (Aircraft Constructions).
KAYSER, HANS-GEORG (Fuel Technology).
LÖFFLER, KLAUS-JÜRGEN (Thermodynamics).
MARKS, KURT (Agricultural Machinery).
METZMEIER, ERWIN (Statics of Ships).
MIALKI, WERNER (Nuclear Engineering).
MÜNZBERG, HANS (Aerodynamcis).
OVERLACH, HANS (Transportation).
PFLAUM, WALTER (Combustion Engines and Gas Turbines).
RAISS, WILHELM (Heating and Ventilation).
RECKLING, KARL-AUGUST (Applied Mechanics).
RÖSSGER, EDGAR (Navigation).
ROSSOW, ERNST (Materials Processing).
SÄNGER, EUGEN (Aviation Techniques).
SCHALLBROCH, HEINRICH (Machine Shop Practice).
STROHBUSCH, ERWIN (Ship Design).
VOIGT, RUDOLF (Steam Engines).
WILLE, RUDOLF (Fluid Mechanics).

Faculty of Agriculture:
ANDREAE, BERND (Farm Management).
BAETGE, HANS-HEINRICH (Soil Science).
BERGER-LANDEFELDT, ULRICH (Applied Botany).
DREWS, BRUNO (Fermentation).
HIRSCHMÜLLER, HERMANN (Sugar Technology).
HOFFMANN, WALTHER (Plant Genetics).
HUSEMANN, CARL (Cultivation Techniques).
KEMMER, ERWIN (Fruit Production).
KLIESCH, JOACHIM (Animal Breeding).
KOLBACH, PAUL (Brewing Technology).
MARKS, KURT (Agricultural Engineering).
MATTERN, HERMANN (Garden Art and Landscape Planning).
MEHLITZ, ALFRED (Fruit and Vegetable Processing).
RAUTERBERG, EDUARD (Plant Nutrition and Soil Biology).
RIETHUS, HORST (Vegetable Production).
RÜNGER, WALTER (Ornamental Plant Production).
SILBEREISEN, KARL (Chemical—Technological Analyses).
TAMM, ERNST (Crop and Plant Cultivation).
TONN, HANS (Mechanical Engineering in Fermentation Industries).
WILBRANDT, HANS (Foreign Agriculture).
WINDISCH, SIEGFRIED (Microbiology).

Faculty of Mining and Metallurgy:
DONATH, MARTIN (Prospecting and Raw Materials).
FROHBERG, GEORG (Theory of Metallurgy).
HILBIG, PAUL (Surveying and Applied Geophysics).
HOFMANN, ERICH E. (Ferric Metallurgy).
HOSEMANN, DIETRICH (Mining Theory).
LÖHBERG, KARL (Metallurgy).
PANKNIN, WALTER (Strength of Materials).
PAWLEK, FRANZ (Extraction Metallurgy).
STRUNZ, HUGO (Mineralogy).
WAGON, HORST (Mechanical Engineering in Mining Industries).
ZEIL, WERNER (Geology and Palæontology).

Faculty of Economics:
HARTMANN, BERNHARD (Business Administration).
KRUSE, ALFRED (Economics).
SCHWENN, HERMANN (Law).

Faculty of Electrical Engineering:
CREMER, LOTHAR (Architectural Acoustics).
GUNDLACH, FRIEDRICH-WILHELM (High Frequency Techniques).
HANNAKAM, LUDWIG (Theoretical Electrotechniques).
HELWIG, HANS JOACHIM (Light Techniques).
MOHR, OTTO (General Electricity and Instrumentation).
NÜRNBERG, WERNER (Electrical Machines).
ROTHERT, GERHARD (Telecommunications).
SCHÜTZ, EBERHARD (General Electricity).
STRIGEL, ROBERT (High Voltage Techniques).

TECHNISCHE HOCHSCHULE CAROLO WILHELMINA
BRAUNSCHWEIG (BRUNSWICK)
POCKELSTRASSE 4
Telephone: 30811

Founded in 1745 as the Collegium Carolinum, was established as a humanistic, mercantile and technical teaching

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centre in 1835, and was expanded in 1862 as the Herzogliche Polytechnische Schule. It acquired its present name in 1877.

Rector: Prof. Dr. HERMANN LAGERSHAUSEN.
Pro-Rector: Prof. Dr. phil. MAX KOHLER.

Number of teachers: 213, including 47 Ordinary Professors.

Number of students: 4,749.

DEANS:

Faculty of Natural Science and Philosophy: Prof. Dr. phil. HEINRICH CORDES.
Faculty of Building Construction: Prof. Dr.-Ing. KONRAD HECHT.
Faculty of Engineering: Prof. Dr.-Ing. Habil. WILHELM HOFFMANN.

PROFESSORS:

Faculty of Natural Science and Philosophy:
Department of Natural Science:

AUTERHOFF, HARRY (Pharmaceutical Chemistry).
AWE, WALTHER (Pharmaceutical Chemistry and Galenic Pharmacy).
BOETTGER, CAESAR RUDOLF (Zoology).
BOGEN, HANS JOACHIM (Botany).
BRUCHHAUSEN, FRIEDRICH VON (Pharmaceutical Chemistry, Food Chemistry).
CARIO, GÜNTHER (Physics).
CORDES, HEINRICH (Physical Chemistry and Electro-Chemistry).
FRIES, KARL (Chemistry).
FRIESE, HERMANN (Organic Chemistry).
HARTMANN, HELMUT (Inorganic Chemistry).
HERRMANN, H. (Calculus).
IGLISCH, RUDOLF (Mathematics).
INHOFFEN, HANS HERLOFF (Organic Chemistry).
JUSTI, EDUARD (Physics).
KANOLD, HANS-JOACHIM (Mathematics).
KELLER, G. (Geology and Mineralogy).
KERTZ, WALTER (Geophysics and Meteorology).
KOHLER, MAX (Theoretical Physics).
KOPPE, HEINRICH (Geophysics and Meteorology).
KROEPELIN, HANS (Chemical Technology).
LARENZ, B. (Theoretical Physics).
LINDNER, R. (Nuclear Chemistry).
NIEMEIER, GEORG (Geography).
QUINKERT, W. (Theoretical Chemistry).
REHBOCK, FRITZ (Mathematics and Descriptive Geometry).
SCHALLER, FRIEDRICH (Zoology).
SCHNEIDER, FERDINAND (Agricultural Technology and Sugar Production).
SCHUMANN, H. (Geology).
STEFFEN, K. (Pharmacognosy).
THALER, H. (Food Chemistry).
WEIGMANN, R. (Pharmacology).
WEYRICH, RUDOLF (Mathematics).

Department of Philosophy

GLOCKNER, HERMANN (Philosophy).
HEFFTER, HEINRICH (History).
HUMMEL, OTTO (Factory Economics).
RÜHLAND, CURT (Public Jursiprudence).
WILHELM, HERBERT (Political Economy).

Faculty of Building Construction:
Department of Architecture

FLESCHE, HERMANN (History of Building, Art and Town Planning).
HECHT, KONRAD (History of Building and Art).
HENN, WALTER (Building Construction and Industrial Building).
HERRENBERGER, JUSTUS (Building Construction).
HERZIG, EMIL (Science of Building).
JENSEN (Town and Country Planning).
KRAEMER, FRIEDRICH-WILHELM (Systems of Building and Elevations).
KORDINA, KARL (Building Materials and Reinforced Concrete Construction).
KRISTEN, THEODOR (Building Materials and Reinforced Concrete Building).
OESTERLEN, DIETER (Building Theory and Elevation).
PETERSEN, JULIUS (Building Construction, Agricultural Building).
PIEPER, KLAUS (Statics).
RÖCKE, HEINRICH (Architectural Drawing).
THULESIUS, DANIEL (Architectural Drawing and Space Planning).
WEBER, J. (Agricultural Building and Technical Equipment).

Department of Building Engineering

ALBRECHT, JÜRGEN (Town Planning).
BARBRÉ, RUDOLPH (Steel Construction).
BIELIGK, OTTO (Reinforced Concrete, Stone and Wood Building).
BODEMÜLLER, HELLMUT (Surveying).
EISENMANN, KURT (Reinforced Concrete, Stone and Wood Building).
GERSTENBERG, FRITZ (Transport and Railways).
HARBERT, EGBERT (Measurement).
HEISER, HEINRICH (Water Supply).
KOHL, ERNST (Statics and Steel Construction).
KORDINA, KARL (Materials).
KRISTEN, THEODOR (Materials).
LAGERSHAUSEN, HERMANN (Road and Rail Traffic Planning).
MECKE, WILHELM (Highway Construction and Foundations).
ZIMMERMANN, FRIEDRICH (Water Supply).

Faculty of Engineering:
Department of Machine Construction

BAEHR, H. D. (Heat Theory).
BLENK, HERMANN (Applied Mechanics).
DOETSCH, K. H. (Aerial Navigation).
HOFFMANN, WILHELM (Materials and Welding Technique).
KOESSLER, PAUL (Transport Technology).
KRAUS, ROBERT (Gears and Theory of Construction).
KUHLENKAMP, ALFRED (Precision Tool-manufacturing).
KUTTNER, H. (Steam Technology and Piston Engines).
LÖHNER, KURT (Piston Machines).
LUTZ, OTTO (Principles of Machines and Conveyors).
MATTHIES, HANS JÜRGEN (Agricultural Machinery).
PAHLITZSCH, GOTTHOLD (Machine Tools).
PETERMANN, HARTWIG (Electrical Machines).
RANT, Z. (Nuclear Technology).
SAMBRAUS, ADOLF (Machine Construction and Standardisation).
SCHAEFER, HERMANN (Technical Mechanics).
SCHLICHTING, HERMANN (Electrical Mechanics).
SEYDEL, E. (Statics).
THIELEMANN, WILHELM (Aeroplane Construction).
WEBER, CONSTANTIN (Special Mechanics).
WINTER, HERMANN (Aeroplane Construction).

Department of Electrotechnics

KIRSCHSTEIN, FRIEDRICH (Telephonic and High-Frequency Techniques).
KÜBLER, ERWIN (Electrical Machines).
MARZ, ERWIN (High-Voltage Technique).
MOELLER, FRANZ (Electrical Engineering).
PUNGS, LEO (Telephonic and High-Frequency Technique).
UNGER, FRANZ (Electrical Machines).
UNGER, HANS-GEORG (High-Frequency Technique).
(Vacant—Electrical Machines, Drives and Tracks: High-Tension, Electrical Equipment, Conductors).

AFFILIATED INSTITUTE:

Institut für Holzforschung: Bienroder Weg 54a; Dir. Dr.-Ing. WILHELM KLAUDITZ.

BERGAKADEMIE CLAUSTHAL-TECHNISCHE HOCHSCHULE

CLAUSTHAL-ZELLERFELD,
ADOLF-RÖMER-STR. 2A
Telephone: 251, 252, 253, 611

Founded 1775

Rector: Prof. Dr. H. WÖHLBIER.
Pro-Rector: Prof. Dr. A. PILGER.
Secretary: HELLMUT OTTO.
Librarian: Dr. G. GATTERMANN.

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Number of teachers: 112, including 33 Ordinary Professors.

Number of students: 1,229 men, 31 women, total 1,260.

Publications: *Mitteilungsblatt d. Bergakademie, Nachrichten d. Bergakademie.*

DEANS:

Faculty of Natural Sciences and Philosophy: Prof. Dr. RIESTER.

Faculty of Mining and Metallurgy: Prof. Dr. LUTHER.

PROFESSORS:

Faculty of Natural Sciences and Philosophy:
BECKMANN, HEINZ (Applied Geology, Petroleum Geology).
BORCHERT, HERMANN (Mineralogy, Petrography).
CRUSE, KURT (Physical Chemistry).
EHRMANN, HANS (Applied Mathematics).
GAST, THEODOR (Physics of Plastics).
HÜTTENHAIN, HANS (Mineralogy).
KRÖNER, EKKEHART (Theoretical Physics).
MAYER, HERBERT (Experimental Physics).
MENZEL, HEINZ (Geophysics).
PILGER, ANDREAS (Geology, Palæontology).
RIESTER, WILHELM FRIEDRICH (Economics and Commerce).
SCHÄFER, MANFRED (Technical Mechanics).
SIEBERT, HANS (Inorganic Chemistry).
WILLECKE, RAIMUND (Public Law and Mining Law).

Faculty of Mining and Metallurgy:
BECKER, HUBERT (Petroleum Engineering, Drilling and Production).
BRETTHAUER, KARLHEINZ (Electrotechnics).
BUNGARDT, KARL (Metallurgy).
CLEMENT, MARTIN (Mineral Dressing).
DORSTEWITZ, GÜNTER (Mining).
ENGEL, LUDOLF (Mechanical Engineering).
ENGELL, HANS-JÜRGEN (Theoretical Metallurgy).
FUNKE, PAUL (Rolling, Pressing and Drawing of Materials).
GROSSE, WALTER (Plastic Deformation, Rolling-Mill Matters).
JOHANNSEN, FRIEDRICH (Nonferrous Metallurgy).
KOOTZ, THEO (Ferrous Metallurgy).
LEHMANN, HANS (Glass and Ceramics).
LUTHER, HORST (Chemical Technology, Gas Technology and Fuel Utilization).
RELLENSMANN, OTTO (Miner Surveying).
SCHÜRMANN, EBERHARD (Foundry Technology).
TRAUSTEL, SERGEI (Heat Economy and Furnace Constructing).
TRÖMEL, GERHARD (Ferrous-Metallurgy).
WASSERMANN, GÜNTER (Metallurgy).
WITTKE, HEINZ (Geodesy).
WÖHLBIER, HERBERT (Mining).

TECHNISCHE HOCHSCHULE DARMSTADT

DARMSTADT, HOCHSCHULSTRASSE
Telephone: 851

The Technische Hochschule was founded in 1836, under the name Technische Schule, and opened under its present name in 1877.

Rector: Prof. Dr.-Ing. GERHARD FRÜHAUF.
Pro-Rector: Prof. Dr. phil. Dr. rer. pol. ADAM HORN.
Chief Administrative Officer: Dr. Iur. HEINZ VÖLGER.

Number of teachers: 563, including 74 Ordinary Professors.

Number of students: 4,648 men, 157 women, total 4,805.

DEANS:

Faculty of Architecture: Prof. BRUNO MÜLLER-LINEW.
Faculty of Civil Engineering: Prof. Dr.-Ing. HELLMUT BODEMÜLLER.
Faculty of Machine Construction: Prof. Dr.-Ing. CARL STROMBERGER.
Faculty of Electrotechnics: Prof. Dr.-Ing. WERNER KRÄMER.
Faculty of Chemistry: Prof. Dr. rer. nat. WOLFGANG LUTHER.
Faculty of Mathematics and Physics: Prof. Dr.-Ing. KARL MARGUERRE.
Faculty of Cultural and Political Sciences: Prof. Dr. rer. pol. FRITZ HUHLE.

PROFESSORS:

Faculty of Architecture:
BARTMANN, HEINRICH (Building).
EVERS, HANS GERHARD (History of Art).
GUTHER, MAX (Town Planning).
MÜLLER-LINEW, BRUNO (Drawing).
NEUFERT, ERNST (Architecture).
PABST, THEODOR (Building Construction).
ROMERO, ROLF (Architecture).

Faculty of Civil Engineering:
BASSLER, FRIEDRICH (Hydraulics Engineering, Water Construction).
BODEMÜLLER, HELLMUT (Geodesy).
BRETH, HERBERT (Soil Mechanics and Foundations).
KIRSCHMER, OTTO (Hydraulics).
KLEIN, RUDOLF (Railroads, Roads and Traffic).
KLÖPPEL, KURT (Statics, Steel Bridges and Steel Construction, Elastic Stability, Welding).
MEHMEL, ALFRED (Reinforced Concrete, Prestressed Concrete).
MÜLLER, WILHELM (Water Supply, Sewerage, Municipal Engineering).

Faculty of Machine Construction:
BOCK, GÜNTHER (Aircraft Technics).
BRECHT, WALTER (Papermaking).
ESCHENBACH, WOLFRAM (Printing).
HUMBACH, WALTER (Reactor Engineering).
JAROSCHEK, KURT (Thermodynamics and Steam Engines).
KIRCHBERG, GEORG (Steam Power Machines).
KRISCHER, OTTO (Thermal Methods).
MAYER, KURT (Haulage Technique and Cranes).
OPPELT, WINFRIED (Control Engineering).
SCHEUBEL, FRANZ NIKOLAUS (Hydraulic Machines).
STROMBERGER, CARL (Mechanical Technology).
TITSCHACK, HELMUTH (Machine Elements).
TRIEBNIGG, HEINRICH (Combustion Engines).
WIEGAND, HEINRICH (Materials).

Faculty of Electrotechnics:
BOSSE, GEORG (Foundations of Electrotechnics).
BRADER, CURT (Electromechanical Apparatus).
BUCHHOLZ, HERBERT (Theoretical Electrotechnics).
FRÜHAUF, GERHARD (Electrical Engineering, High Tension and Measurements).
HOSEMANN, GERHARD (Energy Supply).
KRÄMER, WERNER (Electrical Machinery).
KÜPFMÜLLER, KARL (Telecommunication).
LEBRECHT, LUDWIG (General Electrical Engineering).
OPPELT, WINFRIED (Control Engineering).
ZINKE, OTTO (Telecommunications).

Faculty of Chemistry:
BÄHR, GEORG (Inorganic Chemistry).
JAYME, GEORG (Cellular Chemistry).
KOHLSCHÜTTER, HANS WOLFGANG (Inorganic and Analytical Chemistry).
KÜNTZEL, ADOLF (Tanning).
KUNZ, KARL (Organic Chemistry).
LIESER, KARL HEINRICH (Nuclear Chemistry).
LUTHER, WOLFGANG (Zoology).
PAULITSCH, PETER (Mineralogy).
SCHLÖGL, REINHARDT (Electro-Chemistry).
SCHOENEMANN, KARL (Chemical Technology).
SCHÖPF, CLEMENS (Organic Chemistry).
SOLLE, GERHARD (Geology and Petrology).
WITTE, HELMUT (Physio-Chemistry).
WÖLFEL, ERICH (X-ray Crystallography).
ZIEGLER, HUBERT (Botany).

Faculty of Mathematics and Physics:
BECK, FRIEDRICH (Theoretical Atomic Physics).
BECKER, ERNST (Mechanics).
BRIX, PETER (Atomic Physics).
FISCHER, HEINZ (Applied Physics).
GRAF, HEINRICH (Mathematics).
HELLWEGE, KARL-HEINZ (Technical Physics).
KLOTTER, KARL (Mechanics).
LAUGWITZ, DETLEF (Mathematics).
MARGUERRE, KARL (Mechanics).
SCHERZER, OTTO (Theoretical Physics).
SCHMIEDEN, CURT (Mathematics).
SCHNELL, WALTER (Mechanics).
WAIDELICH, WILHELM (Experimental Physics).
WALTHER, ALWIN (Mathematics).

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Faculty of Cultural and Political Sciences:
GURLAND, ARCADIUS R. L. (Political Science).
HORN, ADAM (Political Economy).
HUHLE, FRITZ (Political Economy).
KOGON, EUGEN (Political Science).
LIPFERT, HELMUT (Science of Industrial Management).
NAUMANN, WALTER (Comparative Literature).
ROESSLER, HELLMUTH (History).
SCHLECHTA, KARL (Philosophy, Pedagogy and Psychology).
SCHULTZ, DIETRICH (Jurisprudence).

TECHNISCHE HOCHSCHULE HANNOVER

HANOVER, WELFENGARTEN 1
Telephone: 762-1
Founded 1831

Rector: Prof. Dr.-Ing. ALBERT VIERLING.
Pro-Rector: Prof. Dipl.-Ing. WALTER RENARD.

Number of teachers: 281, including 188 Professors.
Number of students: 4,340 men, 316 women, total 4,656.

DEANS:

Faculty of Arts and Sciences: Prof. Dr. rer. nat. GÜNTER BERTRAM.
Faculty of Building Construction: Prof. Dr.-Ing. KARL KEJWAL.
Faculty of Engineering: Prof. Dr.-Ing. habil. HERMANN MINTROP.
Faculty of Horticulture: Prof. Dipl.-Gärtn. WERNER LENDHOLT.

PROFESSORS:

Faculty of Arts and Sciences:

Department of Mathematics and Physics

BARTELS, HANS (Plasma Physics).
BERTRAM, GÜNTER (Descriptive Geometry and Practical Mathematics).
BURKHARDT, GERD (Theoretical Physics).
HINZPETER, ALWIN (Applied Physics).
KALUZA, THEODOR (Higher Mathematics).
QUADE, WILHELM (Higher Mathematics).
VON MEYEREN, WILHELM (Experimental Physics).
STEUDEL, ANDREAS, (Experimental Physics).
TIETZ, HORST (Geometry).

Department of Chemistry

BODE, HELMUT (Inorganic and Analytical Chemistry).
BUSCHENDORF, FRIEDRICH (Mineralogy).
DORNOW, ALFRED (Organic Chemistry).
FISCHER, WERNER (Inorganic Chemistry).
RICHTER, KONRAD (Geology).
SCHIEMANN, GÜNTHER (Technical Chemistry).
SCHULTZE, GEORG RICHARD (Chemistry of Petroleum).
SUHRMANN, RUDOLF (Physio - Chemistry and Electro-Chemistry).
THEILACKER, WALTER (Organic Chemistry).

Department of Arts

BÖHRS, HERMANN (Business Economics).
V. FERBER, CHRISTIAN (Social Science).
FREUNDLICH, RUDOLF (Philosophy).
MENSCHING, HORST (Geography).
OHM, HANS (Political Economy).
TREUE, WILHELM (History).
WILDE, HANS-OSKAR (Foreign Countries and English Studies)

Faculty of Building Construction:

Department of Architecture:

GRAUBNER, GERHARD (Design and Materials).
HOELTJE, GEORG (History of Building and Art).
HOFMANN, WILHELM (Building Construction Theory).
JANSSEN, MATTHIAS (Industrial Design).
KNITTEL, GEORG (Statics of Building Construction).
LANDZETTEL, WILHELM (Town and Country Planning).
LEHMANN, KURT (Modelling).
SOHNS, KURT (Drawing and Painting).
SPENGELIN, FRIEDRICH (Design, Decoration and Housebuilding.)
WORTMANN, WILHELM (Town and Country Planning).
ZINSSER, ERNST (Design).

Department of Building and Engineering

BILLIB, HERBERT (Agricultural Irrigation).
GROSSMANN, WALTER (Surveying).
HEISSLER, VIKTOR (Topography and Map Making).
HENSEN, WALTER (Foundations, Hydraulic Engineering).
KEHR, DIETRICH (Water Supply in Flats).
KEJWAL, KARL (Building Technology).
KOCH, HANS-WOLFGANG (Vibration and Surveying).
LEHMANN, GERHARD (Surveying).
LEHMANN, THEODOR (Building Mechanics).
MASSUTE, ERWIN (Railways and Roads).
PFANNMÜLLER, HELMUT (Statics and Steel Building).
PFLÜGER, ALFRICH (Statics).
STRECK, ALFRED (Soil Mechanics, Waterworks, Dam and Reservoir Construction).
WEINHOLD, JOSEF (Building Materials).
ZERNA, WOLFGANG (Large Building Construction).

Faculty of Engineering:

Department of Machine Construction

BAMMERT, KARL (Electrical Machines).
BÜHLER, HANS (Machine Tools).
ERDMANN-JESNITZER, FRIEDRICH (Materials).
HAUSEN, HELMUTH (Thermodynamics).
KLÜSENER, OTTO (Cylinder Engines).
MARTYRER, EGON (Machine Elements, Hydraulic Machines).
MATTING, ALEXANDER (Materials).
MINTROP, HERMANN (Measurement Techinique in Machine Construction).
MÖLBERT, FRIEDRICH (Railway Engines).
OSENBERG, WERNER (Automatic Machines).
PESTEL, EDUARD (Mechanics).
SCHLITT, HERBERT (Adjustment Technique).
VIERLING, ALBERT (Transportation) (*Temp.*).

Department of Marine Engineering

ILLIES, KURT (Marine Engines).
HANSEN, JOHANNES (Ship Construction, Statics).
WANGERIN, ALBERT (Auxiliary Machinery).
WENDEL, KURT (Ship Design and Theory).

Department of Electrotechnics

JORDAN, HEINZ (Electrical Machinery).
PFESTORF, GERHARD (General Electronics).
RUMMEL, THEODOR (Electrical Heating).
SCHÖNFELD, HANS (Electrical Communications).
TISCHNER, HORST (Theoretical Electrotechnics).
WEISSMANN, HARRY (Electrical Works, Steerage).

Faculty of Horticulture:

BOPP, MARTIN (Botany).
BUCHWALD, KONRAD (Soil Husbandry).
BUSCH, WILHELM (Horticulture).
DAMMANN, WALTER (Meteorology and Climatology).
GLUBRECHT, HELLMUT (Ray Biology).
HAAS, PAUL-GERHARD DE (Fruit Growing).
KUCKUCK, HERMANN (Garden Plants).
LENDHOLT, WERNER (Landscape Gardening, Garden Design).
MAATSCH, RICHARD (Flower Growing).
MEYER, ECKART (Plant Diseases).
MEYER, KONRAD (Cultivation and Planning).
NICOLAISEN, WILHELM (Vegetable Growing).
RATHSACK, KARL (Plant Nutrition).
RENARD, WALTER (Technics of Horticulture).
SCHACHTSCHABEL, PAUL (Soil Science).

TECHNISCHE HOCHSCHULE FRIDERICIANA
(Baden Institute of Technology)

KARLSRUHE, KAISERSTRASSE 12
Telephone: 6081

The Technische Hochschule Fridericiana was the first technical institute in Germany and the first to acquire university status.

Rector: Prof. Dr. JOHANNES WEISSINGER.
Pro-Rector: Prof. Dr. HANS LEUSSINK.

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Librarian: Prof. Dr. OEHME.

Number of teachers: 297, including 98 Ordinary Professors.

Number of students: 5,319 men, 345 women, total 5,664.

DEANS:

Faculty of Natural Science and Philosophy: Prof. Dr. KARL STRUBECKER.

Faculty of Building Engineering: Prof. Dr. GOTTHARD FRANZ.

Faculty of Mechanical Engineering: Prof. Dr. KURT LINGE.

PROFESSORS:

Faculty of Natural Science and Philosophy:

Department of Mathematics and Physics

BUCKEL, WERNER (Physics).
DIEM, MAX (Meteorology).
FALK, GOTTFRIED (Mathematical Physics).
GÜNTHER, WILHELM (Theoretical Mechanics).
HÖHLER, GERHARD (Theoretical Nuclear Physics).
KAHLE, HEINZ-GERHARD (Experimental Matter Physics).
KOFINK, WALTER (Structure of Materials).
KUNLE, H. (Geometry).
METTLER, EBERHARD (Mechanics).
NICKEL, KARL (Numerical Mathematics).
SCHOPPER, HERWIG (Experimental Nuclear Physics).
STÖCKMANN, FRITZ (Applied Physics).
STRUBECKER, KARL (Mathematics).
WEISSINGER, JOHANNES (Applied Mathematics).
WITTICH, HANS (Mathematics).
WOLF, FRANZ (Theoretical Physics).

Department of Chemistry

BODENDORF, KURT (Pharmacy).
CATSCH, A. (Study of Rays).
CRIEGEE, RUDOLF (Organic Chemistry).
DWORZAK, RUDOLF (Analytical Chemistry).
FISCHER, HELLMUTH (Elektrochemie).
FITZER, ERICH (Chemical Technics).
FRANCK, ERNST ULRICH (Physical Chemistry).
HEIMANN, W. (Food Chemistry).
HOLLUTA, JOSEF (Hydrogen Chemistry).
ILLIES, HENNING (Geology).
JAGODZINSKI, HEINZ (Mineralogy).
KÜHLWEIN, HANS (Botany and Pharmacognosy).
PICHLER, HELMUT (Gas Technology and Fuel Utilisation).
SCHOLDER, RUDOLF (Chemistry).
SEELMANN-EGGEBERT, WALTER (Radiochemistry).
STEINER, G. (Zoology).

Department of Philosophy

BLOHM, HANS (Industrial Management).
FAHRNER, RUDOLF (Literature).
FRICKE, ROLF (Economics).
GRÄFGEN, G. (Economics).
KRÜGER, GERHARD (Industrial Management).
LINDE, H. (Sociology and Politics).
MOSER, SIMON (Philosophy).
SCHELZEISEN, GUSTAF KLEMENS (Jurisprudence).

Faculty of Building Construction:

Department of Architecture

BAYER, ADOLF (Town-Planning).
BÜCHNER, RUDOLF (Architecture).
DIERSCHKE, WERNER (Architecture).
EIERMANN, EGON (Architecture).
KROEKER, IMMANUEL (Building Construction).
LANKHEIT, KLAUS (History of Art).
LEDERBOGEN, ROLF (Basis of Architecture).
LEWENTON, G. (Building Statistics).
SELG, KARL (House Construction).
TSCHIRA, ARNOLD (History of Building).

Department of Building Engineering

BÖSS, PAUL (Plumbing and Hydromechanics).
DRAHEIM, HEINZ (Geodesy).
FRANZ, GOTTHARD (Reinforced Concrete Construction).
FRITZ, BERNHARD (Building Statics).
LEUSSINK, HANS (Foundations, Tunnelling, Building Technique).
LEUTZBACH, WILHELM (Traffic).
LICHTE, HEINRICH (Geodesy).
MÖHLER, KARL (Building Construction).
RAAB, FRIEDRICH (Road and Railway Construction).
SCHWIDEFSKY, KURT (Photogrammetry and Topography).
STEINHARDT, OTTO (Steel, Wood and Stone Construction).
WITTMANN, HEINRICH (Waterworks Construction).

Faculty of Mechanical Engineering:

Department of Mechanical Engineering

BECKER, ERWIN W. (Nuclear Engineering).
DONANDT, HERMANN (Haulage).
GÜNTHER, RUDOLF (Combustion Engines).
JUNGBLUTH, HANS (Mechanical Technology, Testing).
KIRSCHBAUM, EMIL (Chemical Engineering).
KOLLMANN, KARL (Machine Parts and Motor Vehicles).
KRAEMER, OTTO (Reciprocating Engines and Boilers).
KUPRIANOFF, JOHANN (Technology of Food Preparation).
LEIPHOLZ, H. (Technical Mechanics and Solidity).
LINGE, KURT (Mechanics and Heating).
MARCINOWSKI, HEINZ (Hydraulics and Aerodynamics)
NESSELMANN, KURT (Thermodynamics).
RUMPF, HANS (Mechanics).
SCHMIDT, WALTER (Machine Tools).
WEIDENHAMMER, FRITZ (Technical Mechanics).
WIRTZ, KARL (Reactor Techniques).
ZIEREP, JÜRGEN (Theoretical Doctrine of Flow).

Department of Electrical Engineering

FISCHER, JOHANNES (Electrotechnics).
FRIEDBURG, HELMUT (Electronics).
LAU, HERMANN (Electrotechnics).
NAHRGANG, SIEGFRIED (Electrotechnics).
PRASSLER, HANS (High Voltage and Electric Machines).
REEB, OTTO (Light Technology and Measurement).
ROTHE, HORST (High Frequency Technique).
SCHULZ, PAUL (Lighting).
SCHÜSSLER, W. (Communications).
STEINBUCH, KARL (Communications).

TECHNISCHE HOCHSCHULE MÜNCHEN

MUNICH 2, ARCISSTRASSE 21

Telephone: 55921

Founded 1868

Rector Magnificus: Prof. Dr. F. PATAT.

Number of teachers: 357, including 141 Professors.

Number of students: 7,960 men, 286 women, total 8,246.

DEANS:

Faculty of General Sciences: Prof. Dr. GEORG AUMANN.

Faculty of Building: Prof. Dr. HANS ERICH SCHUBERT.

Faculty of Machines and Electrotechnics: Prof. Dr. HEINRICH NETZ.

Faculty of Agriculture: Prof. Dr. OTTO AMBROSIUS SOMMER.

Faculty of Brewing: Prof. Dr. F. ASSELMEYER.

PROFESSORS:

Faculty of General Sciences:

AUMANN, GEORG (Higher Mathematics and Mechanics).
BAIER, OTHMAR (Geometry).
BAUER, WOLFGANG (Higher Mathematics and Mechanics).
BERNHARDT, WOLFGANG (Private and Patent Law).
BORCHERT, WERNER (Mineralogy).
BORN, HANS JOACHIM (Radiochemistry).
BRENIG, WILHELM (Theoretical Physics).
BUSSMAN, KARL (Business Administration).
FRIESER, HELLMUT (Scientific Photography).
FÜNFER, EWALD (Applied Physics).
GERISCHER, HEINZ (Electrochemistry).
HARTKE, WOLFGANG (Geography).
HEGEMANN, FRIEDRICH (Geochemistry).
HIEBER, WALTHER (Inorganic Chemistry).
JANDER, JOACHIM (Inorganic Chemistry).
KANDLER, OTTO (Applied Botany).
KRESZE, GÜNTER (Organic Chemistry).
LAMMEL, ERNST (Mathematics).

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LUTZE, ERICH (Experimental Physics).
LUX, HERMANN (Analytical Chemistry).
MAIER-LEIBNITZ (Technical Physics).
MEINHOLD, WILHELM (Economics).
PATAT, FRANZ (Chemical Technology).
RIEHL, NIKOLAUS (Technical Physics).
SAUER, ROBERT (Higher Mathematics and Mechanics).
SCHEIBE, GÜNTHER (Physical Chemistry).
SCHMIDTKE, HEINZ (Industrial Psychology and Industrial Pedagogics).
SCHMIDT-THOMÉ, PAUL (Geology).
SIEGLITZ, ADOLF (Chemical Technology of Dyestuffs).
TREIBS, ALFRED (Organic Chemistry).
WALDSCHMIDT-LEITZ, ERNST (Biochemistry).
WEYGAND, FRIEDRICH (Organic Chemistry).
WILD, WOLFGANG (Theoretical Physics).

Faculty of Building:
ALBERS, GERD (Town and Country Planning).
ALBRECHT, JOHANNES (Reproduction Processes).
ANGERER, ALFRED (Town Designing).
BURKHARDT, GEORG (Tunnel Construction, Building Management).
DUSSLER, LUITPOLD (History of Art).
EICHBERG, WERNER (Multi-Storey Building).
FINSTERWALDER, RICHARD (Photogrammetry, Topography and General Cartography).
FRANKE, PAUL-GERHARD (Hydraulics).
HABEL, ALFRED (Multi-Storey Building Statics).
HART, FRANZ (Multi-Storey Building).
HARTUNG, FRITZ (Hydraulics).
HASSENPFLUG, GUSTAV (Architecture).
JELINEK, RICHARD (Foundations).
KARNAPP, WALTER (Art of Drawing, Construction of Perspective Drawing).
KNEISSL, MAX (Geodesy).
KRAUSS, FRIEDRICH (History of Building).
LIPPL, ROBERT (Drawing).
LUDWIG, JOHANNES (Architectural Drawing and Internal Architecture).
MEIER, HERMANN (Railways).
RUCKER, AUGUST (Municipal Engineering).
RÜSCH, HUBERT (Massive Building).
SCHUBERT, HANS ERICH (Technology of Building Materials).
SIGL, RUDOLPH (Astronomics and Physical Geodesy).
WEBER, GERHARD (Architecture).
WIEDEMANN, JOSEF (Architecture).
WORCH, GÜNTER (Building Statics and Steel Construction).

Faculty of Machines and Electrotechnics:
ACKERMANN, GEORG (Heating and Ventilating).
BORCHERS, HEINZ (Metallurgy).
DREHER, FRITZ (Cranes and Means of Transport).
EISELE, FELIX (Machine Tools).
GRIGULL, ULRICH (Technical Thermodynamics).
HUSSMAN, ALGRECHT (Fuel Machines).
KNEULE, FRIEDRICH (Operations Technique).
KNOLL, MAX (Electronics).
KRAUSS, JULIUS (Aircraft Construction).
LÖDER, HEINRICH (Operations Technique).
MAECKER, HEINZ (Theoretical Electrotechnics).
MARKO, HANS (Electrical Communication).
MEINKE, HANS HEINRICH (High-Frequency Technics).
MERZ, LUDWIG (Regulating-and Control-Engineering).
NETZ, HEINRICH (Smelting Machinery).
NEUBER, HEINZ (Mechanics).
NIEMANN, GUSTAV (Machine Elements).
PRINZ, HANS (High Tension Technics).
RAABE, JOACHIM (Hydraulic Machines and Installations).
SCHEURING, WILHELM (Electrical Machines).
STROEHLEN, RICHARD (Theory of Machine Building).
SYBEL, HANS VON (Agricultural Machine Technics).
TRAENKLE, CARL (Flight and Space Mechanics).
TRUCKENBRODT, ERICH (Technical Mechanics).
UNTERBERGER, RICHARD (Precision Instruments, Gearing).

Faculty of Agriculture:
AUFHAMMER, GUSTAV (Plant Breeding).
BERR, ANTON (Zoology).
BRENNER, WALTER (Applied Machine Technics).
FRITZ, DIETRICH (Cultivation of Vegetables).
HERLEMANN, HANS-HEINRICH (Agricultural Economics and Marketing).
HOFMANN, EDUARD (Agricultural Chemistry).
KIERMEER, FRIEDRICH (Dairy Farming and Dairies).
KIRCHGESSNER, MANFRED (Animal Feeding).
LIEBSTER, GÜNTHER (Fruit Growing).
REISCH, ERWIN (Applied Farm Economics).
RIEDL, WOLFGANG (Chemistry, Technology).
RINTELEN, PAUL (Agricultural Economics).
SCHREIBER, LUDWIG (Landscape Gardening).
SOMMER, OTTO (Animal Breeding).
VOGELMANN, ALBERT (Floriculture and Ornamental Plants)
VOIGHTLÄNDER, GERHARD (Research on Permanent Grassland).
WITSCH, HANS VON (Botany).

Faculty of Brewing:
ASSELMEYER, FRITZ (Physics).
ENGERTH, HORST (Brewing Economy).
KINNEBROCK, FRANZ (Brewery Management).
SCHILD, ERNST (Chemical Analysis).
SCHUSTER, KARL (Technology of Brewing).
STEFANIAK, HANS (Machinery).
WEINFURTNER, FRANZ (Technology of Brewing).

TECHNISCHE HOCHSCHULE STUTTGART

STUTTGART-NORD, HUBERSTRASSE 16

Telephone: 299731

Founded 1829

Rector: Prof. Dr.-Ing. A. WEISE.
Pro-Rector: Prof. Dr.-Ing. W. LAMBERT.

Number of teachers: 297, including 87 Professors.
Number of students: 6,300.

DEANS:

Faculty of Natural Sciences and Philosophy: Prof. Dr. W. MECKELEIN.
Faculty of Civil Engineering: Prof. Dr. E. LEONHARDT.
Faculty of Mechanical Engineering: Prof. Dr. J. JEHLICKA.

PROFESSORS:

Faculty of Natural Sciences and Philosophy:

Department of Mathematics and Physics:
BRAUNER, H. (Descriptive Geometry).
DEHLINGER, U. (Applied Physics).
HAKEN, H. (Mathematics).
HILLER, W. (Geophysics).
HOFFMANN, KL.-W. (Physics).
KNESER, H. (Physics).
KNÖDEL, W. (Mathematics).
LÖSCH, F. (Mathematics).
MEYER-KÖNIG, W. (Mathematics).
PICK, H. (Physics).
SEEGER, A. (Physics).
STEINKE, E. (Nuclear Physics).

Department of Chemistry, Geology and Biology:
ALDINGER, H. (Geology and Palaeontology).
ARNOLD, A. (Botany).
BERNHAUER, K. (Physics).
BREDERECK, H. (Organic Chemistry).
FÖRSTER, TH. (Physical Chemistry).
GOUBEAU, J. (Inorganic and Analytical Chemistry).
HAMANN, K. (Chemistry).
HILLER, J.-E. (Mineralogy and Crystallography).
KÖSTER, W. (Metallurgy).
KREBS, H. (Inorganic and Analytical Chemistry).
RATH, H. (Textile Chemistry).

Faculty of Civil Engineering:

Department of Architecture:
BRÜLLMANN, H. (Building Construction and Design).
DEBUS, M. (Drawing and Modelling).
GUTBIER, R. (Building Sites and Planning).
GUTBROD, R. (Interior Decorating and Design).
HANSON, H. (History of Architecture).
LINDE, H. (College Planning).
SCHOCH, R. (Agricultural Building Construction).
SIEGEL, C. (Statistics and Industrial Construction).
TIEDJE, W. (Design).
WILHELM, G. (Building Construction and Design).

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Department of Building and Surveying:

BORNSCHEUER, F. W. (Statics).
GOTTHARDT, E. (Surveying, Photogrammetry).
LAMBERT, W. (Railway and Road Construction).
LEONHARDT, E. (High Buildings).
PELIKAN, W. (Statics of Stone Construction).
PETRIKAT, K. (Hydraulic Engineering II).
PÖPEL, F. (Hydraulic Building for Flats).
RAMSAYER, K. (Surveying).
RÖHNISCH, A. (Hydraulics and Natural Resources).
SCHLUMS, J. (Road Construction).
SLIBAR, A. (Technical Mechanics).
TIEDJE, W. (Building Construction and High Buildings).
TÖLKE, F. (Building Materials and Testing of Materials).
WEIL G. (Strength of Materials).

Faculty of Mechanical Engineering:

Department of Mechanics:

BEISTEINER, F. (Material Handling, Transmission Gear, Construction Machinery).
BLENKE, H. (Process Engineering).
DOLEZALEK, C. M. (Factory Building).
EHRHARDT, A. (Tool Machines, Machine Building).
GLASER, G. (Chronometry and Micro-Mechanics).
GLASER, H. (Technical Thermodynamics).
HUTAREW, G. (Water-power machines and Pumps).
JEHLICKA, J. (Stationary Piston-Engines).
LANGE, K. (Metal Forming).
MAGNUS, K. (Technical Mechanics).
QUACK, R. (Charcoal and Steam Power).
RIEKERT, P. (Motor Cars, Mechanical Dynamics).
SCHMIDT, TH. W. (Engineering Thermo-dynamics).
SCHULZE, R. (Technical Optics).
SENGER, U. (Heating Machinery).
TALKE, K. (Machine Parts).
WELLINGER, K. (Materials Testing, Materials and Elastic Properties).
ZOLLER, K. (Technical Mechanics).

Department of Electrotechnics:

BADER, W. (Electro-Technics).
BÖCKER, H. (High Tension, Electrotechnics).
DOSSE, J. (High Frequency Technique).
FELDTKELLER, R. (Teleprinting).
HESS, H. (Electrical Machinery).
KLUGE, W. (Gas Installations, Photo-electric Processes).
LEONARD, A. (Electrical Installation).
LOTZE, A. (Communications and Data Processing).
WOLMAN, W. (Long-Distance Telephone Installation).

Department of Arts and Education:

BENSE, M. (Philosophy).
MANN, G. (Political Science).
MARTINI, F. (Literature and Aesthetics).
MECKELEIN, W. (Geography).
NITSCHKE, A. (History).
SIVERS, E. VON (Political Economy).
SPAEMANN, R. (Philosophy and Education).
WENTZEL, H. (Art History).

Department of Aircraft Construction:

ARGYRIS, J. H. (Statics and Dynamics of Aircraft Structures).
BOSNJAKOVIC, F. (Thermodynamics of Aircraft Engines).
HÜTTER, V. (Aircraft Construction).
SENGER, U. (Turbo-prop Aircraft).
WEISE, A. (Electricity).

COLLEGES

** Indicates that the College is of University standing*

AGRICULTURE AND VETERINARY SCIENCE.

***Landwirtschaftliche Hochschule Hohenheim:** Stuttgart, Hohenheim; Tel. 253141; f. 1818.

Rector: Prof. Dr. GÜNTHER FRANZ.
Pro-Rector: Prof. Dr. GEORG BAUER.
Librarian: Prof. Dr. GÜNTHER FRANZ.

Number of teachers: 66, including 20 Full Professors.
Number of students: 526.
Publications: *Reden und Abhandlungen, Arbeiten.*

***Tierärztliche Hochschule Hannover:** Hans Böckler-Allee 16; f. as the Königliche Tierarzneischule 1778; became a Hochschule in 1887.

Rector: Prof. Dr. med. vet. Dr. med. h.c. KURT WAGENER.
Pro-Rector: Prof. Dr. phil. ALFONS SCHOBERL.

Number of teachers: 49, including 17 Ordinary Professors.
Number of students: 516 men, 74 women, total 590.

ART, ARCHITECTURE

Akademie der bildenden Künste (*Academy of Fine Arts*): Munich, Akademiestr. 2; f. 1770 (Charter conferred 1808 and 1953); 20 professors, 700 students; Pres. Prof. FRANZ NAGEL; Vice-Pres. Prof. HERMANN KASPAR.

Akademie der bildenden Künste in Nürnberg: Nürnberg, Bingstr. 60; f. 1662; 160 students; Dir. Prof. O. M. SCHMITT.

Hochschule für bildende Künste Berlin: 1 Berlin 12, Hardenbergstr. 33; f. 1696.

Director: Prof. KARL OTTO.
Deputy Director: Prof. KARL HARTUNG.
Administrative Director: OTTO REISER.

Library of 42,000 volumes.
Number of teachers: 99.
Number of students: 480 men, 261 women, total 741.

DEANS:

Department of Arts: Prof. KARL HARTUNG.
Department of Architecture: Prof. WERNER WEBER.
Department of Applied Arts: Prof. WALTER BERGMANN.
Teachers' Training School: Prof. HELMUT THOMA.

Staatliche Akademie der bildenden Künste: Karlsruhe, Reinhold-Frank-Str. 83; f. 1854; Rector Prof. GAENSSLEN; teaching staff, 15.

Staatliche Hochschule für bildende Künste: Hamburg 22. Lerchenfeld 2; Dir. Prof. Dr. v. OPPEN.

Staatliche Akademie der bildenden Künste: Stuttgart, N., Am Weissenhof 1; f. 1761; Rector Prof. WALTER BRUDI; Pro-Rector Prof. RUDOLF YELIN; Curator Prof. Dr. HANS FEGER; teaching staff, 48.

Städelschule, Staatliche Hochschule für bildende Künste: Frankfurt a.M., Dürerstr. 10; f. 1817; Dir. Prof. FERDINAND LAMMEYER; Deputy Dir. Prof. Dr. ERNST HOLZINGER.

Staatliche Kunstakademie in Düsseldorf, Hochschule für bildende Künste (*State Acad. of Art*): Düsseldorf, Eiskellerstr. 1; f. 1766; 20 mems.; Dir. Prof. Dr. H. SCHWIPPERT.

ECONOMICS, POLITICAL AND SOCIAL SCIENCES, PUBLIC ADMINISTRATION

Hochschule für politische Wissenschaften: Munich 2, Theresienstr. 29/III; f. 1950; Rector Prof. Dr. HELMUT KUHN.

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***Hochschule für Sozialwissenschaften:** Wilhelmshaven, Rüstersiel; f. 1949; Rector Prof. Dr. PETER R. HOFSTÄTTER; Administration ARTHUR JUNKER; Librarian Prof. Dr. G. K. SCHMELZEISEN; includes Institute for Labour, Social and Economic Legislation (Prof. Dr. HORST NEUMANN-DUESBERG); Institute for the Study of Soviet Economy (Prof. Dr. HANS RAUPACH); Seminar for Political Economy (Prof. Dr. BRUNO SEIDEL); Institute of Psychology (Prof. Dr. PETER HOFSTÄTTER); Institute of Mass Media (Prof. Dr. WILMONT HAACKE); Seminar for Business Economics (Prof. Dr. A. HORN); publ. *Sozialwissenschaftliche Abhandlungen.*

Hochschule für Verwaltungswissenschaften: Speyer, Freiherr-von-Stein-Strasse 2; f. 1947; Rector Prof. Dr. CARL HERMANN ULE; *c.* 250 post-graduate students selected by *Länder* governments.

Volkshochschule Hannover: Hanover, Königstrasse 11; f. 1945; Manager Dr. GUNTHER THIEDE; number of students 30,000.

***Wirtschaftshochschule:** Mannheim, Schloss Ostflügel; f. 1907; Rector Prof. Dr. W. MÖNCH; teaching staff 65, students 1,650; library 120,000 vols.

MEDICINE

***Medizinische Akademie:** Düsseldorf, Strümpellstr. 4; f. 1907.
Rector: Prof. Dr. KIESSELBACH.
Pro-Rector: Prof. Dr. FRANZ GROSSE-BROCKHOFF.

MUSIC

Bayerisches Staatskonservatorium der Musik: Würzburg, Mergentheimerstr. 76; f. 1804; Dir. HANNS REINARTZ.

Hochschule für Musik: Berlin-Charlottenburg, Fasanenstr. 1; f. 1869; 574 students, 110 teachers; Dir. Prof. BORIS BLACHER.

Internationales Musikinstitut Darmstadt (formerly *Kranichsteiner Musikinstitut*): Darmstadt, Nieder-Ramstadter-Str. 190; f. 1946; yearly holiday course for the study of modern music of all countries; international music lending library 16,000 vols.; Dir. ERNST THOMAS.

Nordwestdeutsche Musikakademie: Detmold, Neustadt 12 (Palais); f. 1946; 80 teachers, 360 students; Dir. Prof. MARTIN STEPHANI.

Schleswig-Holsteinische Musikakademie: Lübeck, Am Jerusalemberg 4; Dir. Prof. Dr. JENS ROHWER.

Staatliche Hochschule für Musik: Frankfurt a.M., Eschersheimer Landstrasse 33; f. 1878 as Konservatorium, Hochschule since 1938; Dir. Prof. PHILIPP MOHLER.

Staatliche Hochschule für Musik: Hamburg, 13, Harvestehuder Weg 12; f. 1950; teaching staff of 115; 580 students; Dir. Prof. WILHELM MALER.

Staatliche Hochschule für Musik: Köln, Dagobertstrasse 38; f. 1925; teaching staff of 88; 550 students; Dir. Prof. HEINZ SCHRÖTER.

Staatliche Hochschule für Musik: Munich 2, Arcisstrasse 12; f. 1846; teaching staff of 83; about 500 students; Pres. Prof. KARL HÖLLER; Dir. Prof. ANTON WALTER.

Staatliche Hochschule für Musik: Stuttgart, Urbansplatz 2; f. 1857; 90 teachers; about 420 students; Dir. Prof. HERMANN REUTTER.

Staatliche Hochschule für Musik Freiburg im Breisgau: Freiburg i. Br., Münsterplatz 30; f. 1946; teaching staff of 58.
Director: Prof. Dr. GUSTAV SCHECK.
Deputy Director: Prof. SCHNEIDER-MARFELS.

Städtisches Konservatorium Berlin (formerly *Sternsches Konservatorium*): Berlin, W.15, Bundesallee 1-12; f. 1850; 76 teachers, including professors; 450 students (272 men, 178 women); Dir. Dr. KURT WESTPHAL.

PHILOSOPHY, THEOLOGY

Augustana-Hochschule: Neuendettelsau über Ansbach/Mfr.; f. 1947; Evangelical; number of teachers 15; Rector Dr. WILHELM ANDERSEN.

Bischöfliche Philosophisch-Theologische Hochschule: Eichstätt (Bavaria), Leonrodplatz 3; f. 1564; Catholic; Rector Prof. Dr. L. OTT; Sec. HERTA NITTSCHALK; number of students (June 1961), 121; library of 200,000 vols. (Dir. Dr. ANDREAS BAUCH).

Kirchliche Hochschule: Berlin-Zehlendorf, Heimat 27; f. 1935.
Rector: Prof. D. MARTIN FISCHER, D.D.
Ephorus: Prof. Lic. theol. HARALD KRUSKA.
Number of teachers: 35; students: 299.

Kirchliche Hochschule: Wuppertal-Barmen, Missionstr. 9b-17; f. 1935; Evangelical; Rector Prof. Dr. ROBERT BACH; Ephorus Prof. Dr. RUDOLF BOHREN; Curator Pastor ARNOLD FALKENROTH.

Lutherische Theologische Hochschule Oberursel: Oberursel im Taunus, Altkönigstrasse 50; Rector Prof. Dr. H. KIRSTEN.

Philosophische Hochschule bei St. Stephan in Augsburg: Augsburg, Gallusplatz 2; f. 1834.
Rector: Dr. P. I. WIDMANN.
Number of teachers: 10; students: 19.

Philosophisch-Theologische Hochschule: Bamberg, Jesuitenstr. 2; f. 1647-48.
Rector: Dr. JOSEPH MOLITOR.
Pro-Rector: Prof. Dr. ANTON KOLB.
Library of 450,000 volumes.
Number of teachers: 34
Number of students: 193 including 54 women.

DEANS:
Faculty of Theology: Prof. Dr. GEORG REINWALD.
Faculty of Philosophy: Prof. DDr. HANS PFEIL.

Philosophisch-Theologische Hochschule: Dillingen a.d. Donau; f. 1549.
Rector: Prof. Dr. HERMANN LAIS.
Pro-Rector: Prof. Dr. FRANZ X. HAIMERL.
Librarian: Dr. EUGEN FISCHER.
Library of *c.* 100,000 volumes.
Number of teachers: 13 Professors.
Number of students: 150.

Philosophisch-Theologische Hochschule: Fulda, Domplatz 5; f. 1748; number of teachers, 10; students, 65; Rector Prof. Dr. EDUARD SCHICK.

Philosophisch-Theologische Hochschule: Königstein im Taunus, Bischof-Kaller-Str. 3; Rector Prof. Dr. PAUL WENZEL.

Philosophisch-Theologische Hochschule: Paderborn, Kamp 6; f. 1615; Rector Prof. Dr. OTHMAR SCHILLING; Pro-Rector Prof. Dr. KLEMENS HONSELMANN; number of teachers, 19; students, 374; publ. *Theologie und Glaube* (six per annum).

Philosophisch-Theologische Hochschule: Passau, Michaeligasse 13; f. 1622; Catholic; Rector Prof. Dr. GEORG TEICHTWEIER; Pro-Rector Prof. Dr. ALOIS WINKLHOFER; number of teachers, 22; students, 198.

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Philosophisch-Theologische Hochschule Freising: Freising, Oberbayern (Bavaria); f. 1834; Catholic; Pres. Dr. Joh. Ev. Michl; Deputy Pres. Dr. Jakob Fellermeier; number of teachers 22, including 16 professors; 160 students.

Philosophisch-Theologische Hochschule Regensburg: Regensburg, Ägidienplatz 2; f. 1589; Catholic; Rector Prof. Dr. Jakob Hommes; Pro-Rector Prof. Dr. Rudolf Mayer; number of teachers, 28.

Philosophisch-Theologische Hochschule Sankt Georgen: Frankfurt a. Main-Süd 10, Offenbacher Landstr. 224; f. 1926 (Theological Faculty f. 1862); Rector Prof. Dr. iur. can. Franz Joseph Schroll; Dean Dr. Alois Grillmeier; Librarian Dr. Heinrich Bacht; library of 300,000 vols.; 35 teachers, including 24 professors; 290 students; publ. *Scholastik* (quarterly).

Theologische Fakultät Trier: Trier, Jesuitenstr. 13; f. 1950; Chancellor Dr. Matthias Wehr, Bishop of Trier; Rector Prof. Dr. Ignaz Backes; 12 Ordinary, 3 Extraordinary Professors; library of 115,000 vols.; 250 students.

Theologische Schule Bethel (Kirchliche Hochschule): Bethel bei Bielefeld; f. 1905 by Pastor von Bodelschwingh; the library contains 60,000 volumes.
Director: Prof. Dr. Grzegorzewski.
Assistant Director: Prof. Dr. Schweitzer.
Number of teachers: 14, including 8 full professors.
Number of students: 183 men, 25 women, total 208.
Publs. *Wort und Dienst-Jahrbuch der Theologischen Schule* (every 2 years).

Technical

Hochschule für Gesaltung: Ulm; f. 1950; financial and legal representative, Geschwister-Scholl Foundation; Dir. Otl Aicher; Vice-Dir. Tomas Maldonado; 4-year courses in (1) design of industrial products and prefabricated building, and (2) design of visual and verbal means of communication; 150 students.

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GERMAN DEMOCRATIC REPUBLIC

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ACADEMIES

Deutsche Akademie der Wissenschaften zu Berlin (*German Academy of Sciences*): Berlin, W.8, Otto-Nuschke-Str. 22/23; f. 1700.

President: Prof. Dr. WERNER HARTKE.

Vice-Presidents: Prof. Dr. MAX STEENBECK, Prof. Dr. LEO STERN, Prof. Dr. HERMAN KLARE.

Secretary-General: Prof. Dr. GÜNTHER RIENÄCKER.

Secretary, Mathematics, Physics and Technical Sciences: Prof. Dr. GUSTAV HERTZ.

Secretary, Chemistry, Geology and Biology Section: Prof. Dr. EDGAR THEODOR LEHMANN-GUTZLAFF.

Secretary, Mining, Metallurgy and Mining Geology Section: Prof. Dr. KARL-FRIEDRICH LUDEMANN.

Secretary, Medicine Section: Prof. Dr. HELMUT KRAATZ.

Secretary, Languages, Literature and Arts Section: Prof. Dr. WALTER RUBEN.

Secretary, Philosophy, History, Political Sciences, Law and Economy Section: Prof. FRED OELSSNER.

Library: *see* page 416.

Publications: *Sitzungsberichte, Abhandlungen, Vorträge und Schriften, Jarhbuch, Monatsberichte, Deutsche Literaturzeitung, Forschungen und Fortschritte.*

Institutes and Institutions of the Academy:

Akademie-Archiv.
Akademie-Bibliothek.
Akademie-Verlag.
Akademie-Werkstätten für Forschungsbedarf.
Alexander-von-Humboldt-Kommission.
Arbeitsgruppe für Grundlagenforschung der Theorie der Teilchen und Felder.
Arbeitsstelle für Elektronenmikroskopie.
Arbeitstelle für Geomechanik.
Arbeitsstelle für Geschichte der deutsch-slawischen Wissenschaftsbeziehungen.
Arbeitsstelle Herwegh-Ausgabe.
Arbeitsstelle für Infektionskrankheiten im Kindesalter.
Arbeitsstelle für kosmische Strahlung.
Arbeitsstelle für Kreislaufforschung.
Arbeitsstelle für Kunstgeschichte.
Arbeitsstelle für mathematische und angewandte Linguistik und automatische Übersetzung.
Arbeitsstelle für Paläobotanik.
Arbeitsstelle für Photochemie.
Arbeitsstelle für praktische Geologie.
Arbeitsstelle für praktische Geophysik.
Arbeitsstelle für Staats- und Rechtsfragen der sozialistischen Länder.
Arbeitsstelle für statistische Physik.
Arbeitsstelle strukturelle Grammatik.
Arbeitsstelle für Tieftemperaturphysik.
Arbeitsstelle für Völkerrecht.
Astrophysikalisches Observatorium Potsdam.
Forschungsinstitut für Aufbereitung.
Forschungsinstitut für metallische Spezialwerkstoffe.
Forschungsstelle Eisen und Stahl.
Forschungsstelle für experimentelle Chirurgie des Herzens und des Gefäss-Systems.
Forschungsstelle für experimentelle Onkologie.
Forschungsstelle für Komplexchemie.
Forschungsstelle für Limnologie.
Forschungsstelle für Messtechnik und Automatisierung.
Forschungsstelle für Physik hoher Energien.
Forschungsstelle für technische Gasentladungen.
Geodätisches Institut Potsdam.
Geomagnetisches Institut.
Geotektonisches Institut.
Heinrich-Hertz-Institut für Schwingungsforschung.
Institut für angewandte Isotopenforschung.
Institut für angewandte Mathematik und Mechanik.
Institut für angewandte Physik der Reinststoffe Dresden.
Institut für angewandte Radioaktivität.
Institut für angewandte Silikatforschung.
Institut für anorganische Chemie.
Institut für anorganische Katalyseforschung.
Institut für Biochemie.
Institut für Biochemie der Pflanzen.
Institut für Biophysik.
Institut für Bodendynamik und Erdbebenforschung.
Institut für chemische Technologie der Plaste.
Institut für deutsche Sprache und Literatur.
Institut für deutsche Volkskunde.
Institut für Dokumentation.
Institut für Ernährung.
Institut für experimentelle Krebsforschung.
Institut für Faserstoff-Forschung.
Institut für Fettchemie.
Institut für Gasentladungsphysik.
Institut für Geschichte.
Institut für griechisch-römische Altertumskunde.
Institut für kortiko-viszerale Pathologie und Therapie.
Institut für Kristallphysik.
Institut für Kulturpflanzenforschung.
Institut für Kunststoffe.
Institut für magnetische Werkstoffe.
Institut für Magnetohydrodynamik.
Institut für Meereskunde.
Institut für Mikrobiologie und experimentelle Therapie Jena.
Institut für Optik und Spektroskopie.
Institut für organische Chemie.
Institut für organische Katalyseforschung.
Institut für Orientforschung.
Institut für Pharmakologie.
Institut für Philosophie.
Institut für spezielle Probleme der theoretischen Physik.
Institut für Physik und physikalische Chemie der Hochpolymeren.
Institut für physikalische Chemie.

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Institut für physikalische Hydrographie.
Institut für physikalische Stofftrennung.
Institut für Regelungs- und Steuerungstechnik.
Institut für reine Mathematik.
Institut für romanische Sprachen und Kultur.
Institut für Slawistik.
Institut für sorbische Volksforschung.
Institut für Strukturforschung.
Institut für Technologie der Fasern.
Institut für Verfahrenstechnik der organischen Chemie.
Institut für vergleichende Pathologie.
Institut für Vor- und Frühgeschichte.
Institut für Wirtschaftswissenschaften.
Institut für Zellphysiologie.
Karl-Schwarzschild-Observatorium.
Komitee für technische Hilfsmittel und maschinelle Informationsverarbeitung.
Kommission für deutsche Erziehungs-und Schulgeschichte.
Kommission für Heimatforschung.
Kommission der Historiker der D.D.R. und der Ud.S.S.R.
Kommission zur Herausgabe der Werke von E.W.v. Tschirnhaus.
Kommission für Unterwasserforschung.
Leibniz-Kommission.
Monumenta Germaniae Historica.
Physikalisch-Technisches Institut.
Robert-Rössle-Klinik.
Sprachwissenschaftliche Kommission.
Sternwarte Babelsberg.
Sternwarte Sonneberg.
Zentralinstitut für Kernphysik Rossendorf.
Zoologische Forschungsstelle im Berliner Tierpark.

FELLOWS:

Section for Mathematics, Physics and Technical Sciences:
ALBRING, WERNER.
BARTELS, JULIUS.
BOIE, WERNER.
DEBYE, PETER.
DEFANT, ALBERT.
EISENKOLB, FRIEDRICH.
ERTEL, HANS.
FRENZEL, WALTER.
FRÜHAUF, HANS.
GÖRLICH, PAUL.
HASSE, HELMUT.
HEISENBERG, WERNER.
HERTZ, GUSTAV.
HÖLDER, ERNST.
HOFFMEISTER, CUNO.
HUND, FRIEDRICH.
JANTE, ALFRED.
KÄHLER, ERICH.
KIENLE, HANS.
LICHTENHELDT, WILLIBALD.
LUDIN, ADOLF.
MAURER, EDUARD.
NEUBER, HEINZ.
OBENAUS, FRITZ.
PAUER, WALTHER.
ROMPE, ROBERT.
SCHRÖDER, KURT.
SEELIGER, RUDOLF.
STEENBECK, MAX.

Section for Chemistry, Geology and Biology:
BERTSCH, HEINRICH.
BUTENANDT, ADOLF.
CORRENS, ERICH.
DEUBEL, FRITZ.
FALKENHAGEN, HANS.
GERSCH, MANFRED.
GOTTSCHALDT, KURT.
HAHN, OTTO.
HEIN, FRANZ.
KAESTNER, ALFRED.
KLARE, HERMANN.
KLEBER, WILL.
KNÖLL, HANS.
LANGENBECK, WOLFGANG.
LEHMANN-GÜTZLAFF, EDGAR.
LEIBNITZ, EBERHARD.
LÜTTRINGHAUS, ARTHUR.
MOTHES, KURT.
NELLES, JOHANNES.
NOACK, KURT.
RAMDOHR, PAUL.
RIECHE, ALFRED.
RIENÄCKER, GÜNTHER.
SCHIRMER, WOLFGANG.
SCHWABE, KURT.
STILLE, HANS.
STRESEMANN, ERWIN.
THIESSEN, PETER ADOLF.
THILO, ERICH.
TREIBS, WILHELM.
VOLMER, MAX.
WARBURG, OTTO HEINRICH.

Section for Mining, Metallurgy and Mining Geology:
BILKENROTH, GEORG.
EMICKE, OTTO.
KAUTZSCH, HANS.
KIRCHBERG, HELMUT.
LEUTWEIN, FRIEDRICH.
LÜDEMANN, KARL-FRIEDRICH.
MEISSER, OTTO.
RAMMLER, ERICH.
WATZNAUER, ADOLF.

Section for Medicine:
BREDT, HEINRICH.
BÜRGER, MAX.
DOBBERSTEIN, JOHANNES.
FRIEDRICH, WALTER.
GOERTTLER, VIKTOR.
GRAFFI, ARNOLD.
GUMMEL, HANS.
HOLTZ, PETER.
KRAATZ, HELMUT.
KUNTZEN, HEINRICH.
LOHMANN, KARL.
PEIPER, ALBRECHT.
REDETZKY, HERMANN.
REICHENBACH, ERWIN.
RÖHRER, HEINZ.
STUBBE, HANS.
WALDEYER, ANTON.

Section for Languages, Literature and the Arts:
BIELFELDT, HANS HOLM.
BLÜMEL, CARL.
EISSFELDT, OTTO.
FRAENGER, WILHELM.
FRINGS, THEODOR.
GRAPOW, HERMANN.
HAENISCH, ERICH.
HARTKE, WERNER.
HARTMANN, RICHARD.
HINTZE, FRITZ.
KLAFFENBACH, GÜNTHER.
KUHN, HANS.
LEHNERT, MARTIN.
NEUBERT, FRITZ.
RAMMING, MARTIN.
RUBEN, WALTER.
SCHADEWALDT, WOLFGANG.
SCHIRMER, WALTER.
STEINITZ, WOLFGANG.
WISSMANN, WILHELM.
ZUCKER, FRIEDRICH.

Section for Philosophy, History, Political Sciences, Law and Economy:
ALT, ROBERT.
BAETHGEN, FRIEDRICH.
BAUMGARTEN, ARTHUR.
BEHRENS, FRIEDRICH.
BLOHM, GEORG FRIEDRICH.
ENGELBERG, ERNST.
GELZER, MATTHIAS.
HARTUNG, FRITZ.
KLAUS, GEORG.
KRAUSS, WERNER.
KUCZYNSKI, JÜRGEN.
MARKOV, WALTER.
MEISNER, HEINRICH OTTO.
OELSSNER, FRED.
POLAK, KARL.
REICKE, SIEGFRIED.
STERN, LEO.
UNVERZAGT, WILHELM.
WINTER, EDUARD.

Deutsche Akademie der Landwirtschaftswissenschaften zu Berlin: Berlin W 8, Krausenstrasse 38/39; organised in ten sections, each with its own secretary; 35 research units; Pres. Prof. Dr. Dr. h.c. HANS STUBBE; Scientific Dir. Prof. Dr. ERWIN PLACHY; publ. *Sitzungsberichte, Berichte und Vorträge, Jahrbücher, Tagungsberichte, Wissenschaftliche Abhandlungen, 11 Landwirtschaftswissenschaftliche Archive, Landwirtschaftliches Zentralblatt, Fortschrittsberichte.*

Sächsische Akademie der Wissenschaften zu Leipzig (*Saxon Academy of Sciences at Leipzig*): Leipzig C.1, Universitätsstrasse 3-5 Eg.; f. 1846.
President: Prof. Dr. THEODOR FRINGS.
Vice-Presidents: Prof. Dr. ANTON ARLAND, Prof. Dr. ERNST NEEF.
Secretary, Mathematics and Natural Science Section: Prof. Dr. ERNST NEEF.
Secretary, Philology and History Section: Prof. Dr. ERWIN JACOBI.
Number of members: 109; corresponding 24.
Publs. *Abhandlungen, Sitzungsberichte, Jahrbuch.*

Leopoldin.-Carolin. Deutsche Akademie der Naturforscher (*Leopoldine-Carolingian German Academy of Researchers in Natural Sciences*): Halle/Saale, August-Bebel-Str 50A; f. 1652 in Schweinfurt.
President: Prof. Dr. KURT MOTHES.
Vice-Presidents: Prof. Dr. WALTHER GERLACH, Prof. Dr. ERWIN REICHENBACH.
Director Ephemeridum: Prof. Dr. RUDOLPH ZAUNICK.
Secretaries, Medical Section: Prof. Dr. KARLHEINZ SOMMER, Prof. Dr. ADOLF ECKERT-MÖBIUS, Prof. Dr. EGBERT SCHWARZ.
Secretaries, Natural Sciences Section: Prof. Dr. WILHELM MESSERSCHMIDT, Prof. Dr. RUDOLF KÄUBLER.
Number of members: 700
The library contains approx. 168,000 vols.
Publs. *Nova Acta Leopoldina* (*Neue Folge*), *Leopoldina, Lebensdarstellungen deutscher Naturforscher, Sudhoffs Klassiker der Medizin, Mitteilungen zur Geschichte der Medizin und der Naturwissenschaften.*

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Deutsche Akademie der Künste zu Berlin (*German Academy of Arts*): Berlin N.4, Robert Koch Platz 7; f. 1950; 100 members.

President: Dr. h.c. WILLI BREDEL.

Publ. *Sinn und Form.*

Deutsche Bauakademie (*German Academy of Building and Architecture*): Berlin N.4, Hannoversche Str. 30; Pres. Prof. Dipl.-Ing. KOSEL.

LEARNED SOCIETIES

Berliner Gesellschaft für klinische Medizin (*Berlin Society of Clinical Medicine*): Berlin N.4, Schumannstr. 21; Chair. Prof. Dr. med. habil. FRIEDRICH-HORST SCHULZ; Sec. Doz. Dr. med. habil. HEINRICH.

Brennstofftechnische Gesellschaft in der DDR: Berlin W.8, Friedrichstrasse 73.

Chemische Gesellschaft in der DDR: Berlin W.8, Unter den Linden 68/70.

Geographische Gesellschaft der DDR: Leipzig C.1, Georgi-Dimitroff-Platz 1.

Gesellschaft Deutscher Berg- und Hüttenleute: Berlin C.2, Wallstrasse 68.

Geologische Gesellschaft in der DDR: Berlin N.4, Invalidenstrasse 44.

Meteorologische Gesellschaft in der DDR: Potsdam, Alfred-Wegener-Haus, Luckenwalder Strasse 42/46.

Physikalische Gesellschaft in der DDR: Berlin W.8, Am Kupfergraben 7.

RESEARCH INSTITUTES

Deutsches Institut für Länderkunde: Leipzig, C.1, Georgi-Dimitroff-Platz 1; f. 1892; Dir. Prof. Dr. Dr. h.c. EDGAR LEHMANN; publ. *Wissenschaftliche Veröffentlichungen des Deutschen Instituts für Länderkunde.*

Meteorologischer und Hydrologischer Dienst der Deutschen Demokratischen Republik: Potsdam, Luckenwalderstr. 42-46, Alfred-Wegener-Haus (successor to the Meteorologisches Zentralobservatorium Potsdam; f. 1892); Dir. Dr. W. ORTMEYER; affiliates meteorological observatories and institutes including: Meteorologisches Hauptobservatorium, Potsdam (with central library of *c.* 25,000 vols.); Hauptamt für Klimatologie, Potsdam; Forschungsinstitut für Hydrometeorologie, Berlin; Zentrale Wetterdienststelle, Potsdam; Mitteldeutsche Wetterdienststelle, Leipzig; Seewetterdienststelle, Warnemünde, Flugwetterwarte, Berlin-Schönefeld; observatories at Wahnsdorf, Kühlungsborn and Lindenberg; Institut für Grosswetterforschung; publs. *Deutsches Meteorologisches Jahrbuch, Abhandlungen, Veröffentlichungen.*

Staatliche Geologische Kommission: Berlin, N.4, Invalidenstrasse 44; f. 1950; publs. *Geologie* (eight times a year), *Zeitschrift für angewandte Geologie* (monthly).

Staatliche Zentralverwaltung für Statistik beim Ministerrat der D.D.R. (*Statistical Bureau of the German Democratic Republic*): Berlin C2, Klosterstrasse 80-85; publs. *Statistische Praxis* (monthly), *Statistisches Jahrbuch der DDR* (annual), *Statistisches Taschenbuch* (annual, in German, Russian, English, French, Spanish); *Schriftenreihe der Statistischen Praxis* (four issues so far).

Zentralinstitut für Kernphysik: Rossendorf, über Dresden-W.H. Postfach 19; f. 1955; Dir. Prof. Dr.-Ing. HEINZ BARWICH; acting Dir. Dr.-Ing. HELMUTH FAULSTICH; research reactor 2,000 kw., cyclotron 120 cm. diameter.

ASTRONOMICAL OBSERVATORIES

Astrophysikalisches Observatorium der Deutschen Akademie der Wissenschaften zu Berlin: Potsdam, Telegraphenberg; f. 1874; Dir. Prof. Dr. J. WEMPE; publs. *Mitteilungen, Publikationen des Astrophysikalischen Observatoriums.*

Sternwarte der Deutschen Akademie der Wissenschaften: Sonneberg, Thuringia; f. 1925; library of 6,000 vols.; Dir. Prof. Dr. C. HOFFMEISTER.

Sternwarte Babelsberg der Deutschen Akademie der Wissenschaften zu Berlin: Potsdam-Babelsberg, Rosa-Luxemburg-Strasse 17a; f. 1700; 54 mems.; Profs. Dr. J. HOPPE, Dr. F. WÜNSCHMANN.

Universitäts-Sternwarte und Astrophysikälisches Institut: Jena, Schillergässchen 2; Dir. Prof. Dr. H. LAMBRECHT.

LIBRARIES AND ARCHIVES

BERLIN

Berliner Stadtbibliothek: C.2, Breitestrasse 37; f. 1900; 800,000 vols.; Dir. HEINZ WERNER.

Bibliothek der Deutschen Akademie der Wissenschaften: W.8, Unter den Linden 8; 112,640 vols.; Academic Council Rep. Prof. Dr. H. GRAPOW; Dir. (Komm.) BRIGITTE MILLIK.

Bibliothek der Landwirtschaftlich-Gärtnerischen Fakultät: Invalidenstr. 42, N.4; f. 1881; contains 55,500 out of a former 104,000 vols. on agriculture, gardening, fishing and all aspects of cultivation, general and natural science, philosophy and sociology; Chief Librarian EVA MARIA ARDELT.

Bibliothek des Obersten Gerichts der Deutschen Demokratischen Republik: N.4, Scharnhorststrasse 35; f. 1879; contains 300,000 vols.; Chair. U. GERICKE.

Deutsche Staatsbibliothek (formerly Öffentliche Wissenschaftliche Bibliothek, originally Preussische Staatsbibliothek): W.8, Unter den Linden 8; f. 1661; depts. for reference, acquisition, cataloguing, lending; music, MSS., incunabula and portraits, oriental, cartographical sections; Dir. Prof. Dr. HORST KUNZE; Deputy Dir. W. DUBE; publs. *Bibliographie deutscher Übersetzungen aus den Sprachen der Völker der Sowjetunion und der Länder der Volksdemokratie* (monthly), *Medizinischer Literaturnachweis* (monthly), *Berliner*

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Titeldrucke, Neuerwerbungen ausländischer Literatur der wissenschaftlichen Bibliotheken der DDR (monthly), *Nachrichten aus dem Wissenschaftlichen Bibliothekswesen der DDR.*

Pädagogische Zentralbibliothek: W.8, Universitätsstr. 7; f. 1950; 108,602 vols.; Dir. Prof. Leo Regener; br. office: Deutsche Lehrerbücherei, Berlin O.17, Mühlenstr. 72; f. 1876; 207,527 vols.

Universitätsbibliothek: W.8, Clara-Zetkin-Str. 27; f. 1831; library of the Humboldt University; 1,600,479 vols.; Dir. Dr. Oskar Tyszko.

Zentralbibliothek im Hause der Ministerien: W.1, Leipziger Strasse 5-7; 170,000 vols.; Dir. M. Frank.

Zentralbibliothek der Staatlichen Museen zu Berlin: C.2, Bodestrasse 1-3; f. 1830; *c.* 80,000 vols.; Dir. Kurt Schifner.

Dessau

Universitäts- und Landesbibliothek Sachsen- Anhalt, Zweigstelle Landesbibliothek Dessau: Mariannenstr. 34; f. 1922; 97,026 vols., 109 incunabula, 503 MSS, 396 autographs; Branch Dir. Margarete Hugk.

Dresden

Bibliothek der Hochschule für Verkehrswesen "Friedrich List": A1, Hochschulestr. 3; f. 1952; 93,779 vols.; Dir. Dr. Charlotte Boden.

Bibliothek der Technischen Hochschule: Mommsenstr. 11; Dir. Werner Dux.

Sächsisches Landeshauptarchiv: Archivstr. 14; f. 1834; Dir. Dr. Horst Schlechte.

Sächsische Landesbibliothek: N.15, Marienallee 12; f. 1556; contains about 800,000 vols.; Dir. Dr. Burghard Burgemeister.

Erfurt

Wissenschaftliche Bibliothek: Michaelisstr. 39; f. 1407; 280,233 vols., 1,514 MSS., 616 incunabula; Chief Librarian Strobel.

Freiberg i. Sa.

Bücherei der Bergakademie: Nonnengasse 22; f. 1765; 144,237 vols.; Dir. Walter Schellhas.

Gotha

Landesbibliothek Gotha: Schloss Friedenstein; f. 1647; contains 479,936 vols., 8,814 MSS.; Dir. Max Frank.

Greifswald

Universitätsbibliothek: Rubenowstr. 4; f. 1604; 1,105,324 vols., including 542,787 theses, 2,073 autographs, 300 incunabula; Dir. Dr. Halpern.

Halle

Bibliothek der Deutschen Akademie der Naturforscher: C.1, August-Bebelstr. 50A; f. 1731; 168,000 vols., 13,800 theses; Dir. Gunda Werner.

Bibliothek der Deutschen Morgenländischen Gesellschaft: Emil-Abderhalden-Str. 9; f. 1845; contains about 41,000 vols., 350 MSS.; Dir. Prof. Dr. Selbmann.

Universitäts- und Landesbibliothek Sachsen-Anhalt: August Bebelstr. 13 und 50; f. 1696; contains 1,700,000 vols., 360,000 theses; Ponickau collection on Thuringian and Saxon history and folklore; Dir. Prof. Dr. Erhard Selbmann.

Ilmenau

Bibliothek der Hochschule für Elektrotechnik: Strasse der Jungen Techniker 21; f. 1953; 41,000 vols., 1,108 periodicals; publ. *Wissenschaftliche Zeitschrift* (quarterly).

Jena

Universitätsbibliothek: Goethe-Allee 6; f. 1558; contains 1,432,900 vols., 539,495 pamphlets, 4,296 manuscripts; Dir. Dr. Annemarie Hille.

Leipzig

Comeniusbücherei (Pädagogische Zentralbibliothek): Schenkendorfstr. 34; f. 1871; 220,000 vols.; Head J. Langer.

Deutsche Bücherei: C.1, Deutscher Platz; f. 1912; 3,000,000 vols.; Dir. H. Roetzsch; Deputy Dir. G. Hesse; Accession (Dr. H. Lohse), Bibliographies (Dr. G. Pomassl), Catalogues (H. Hoehne), Reference (Dr. F. Schaaf), Lending (H. Schurig), Deutsches Buch- und Schriftmuseum (Dr. F. Funke); publs. *Deutsche Nationalbibliographie, Deutsche Musikbibliographie, Bibliographie der Kunstblätter, Bibliographie der Übersetzungen deutschsprachiger Werke, Bibliographie der fremdsprachiger Werke über Deutschland und Deutsche Persönlichkeiten, Jahresverzeichnis des deutschen Schrifttums, Jahresverzeichnis der deutschen Musikalien und Musikschriften, Jahresverzeichnis der deutschen Hochschulschriften, Deutsches Bücherverzeichnis, Bibliographie der versteckten Bibliographien, Bibliographie der deutschen Bibliographien, Sonderbibliographien der Deutschen Bücherei, Bulletin wichtiger Literatur-Zusammenstellungen*; Collaborating in: *Jahresberichte für deutsche Geschichte, Internationale Bibliographie der Geschichtswissenschaft.*

Deutsches Institut für Länderkunde, Abteilung Geographische Zentral-bibliothek: C.1, Georgi-Dimitroff-Platz 1; f. 1904; 114,000 vols.; Chief Librarian Dr. Malz.

Stadt- und Bezirksbibliothek Leipzig: C.1, Market 8; f. 1677; Head Georg Anders.

Musikbibliothek der Stadt Leipzig (formerly Musikbibliothek Peters and Städt Musiksammlungen): Ferdinand-Lassalle-Str. 21; 70,000 vols.; Dir. Herta Schetelich.

Stadtarchiv: Stadthaus, Markgrafenstr. 3; f. about 1300; Dir. Dr. Manfred Unger.

Universitätsbibliothek Leipzig (Bibliotheca Albertina): Beethovenstrasse 6; f. 1543; approx. 1,700,000 vols.; Dir. Dr. Johannes Müller.

Meiningen

Max-Reger-Archiv: Schloss Elisabethenburg; 1947 moved to Meiningen from Weimar; special department of the Staatliche Museum, Meiningen; musical history, MSS., collection of instruments; Dir. Helmut Müller.

Potsdam

Bibliothek der Deutschen Akademie für Staats- und Rechtswissenschaft "Walter Ulbricht": Babelsberg 2; f. 1948; 320,000 vols.; Chief Librarian Kurt Gräbig.

Deutsches Zentralarchiv in der Deutschen Demokratischen Republik: Berliner Strasse 98-101; f. 1946; Dir. Dr. Helmut Lötzke.

Brandenburgische Landes- und Hochschulbibliothek: Dortustrasse 30-33; Dir. A. Wülfrath.

Rostock

Universitätsbibliothek: Stalinplatz 5; f. 1569; 875,000 vols., 4,239 MSS., 725 incunabula; Dir. Alfred Eberlein.

Weimar

Thüringische Landesbibliothek: Platz d. Demokratie 1; f. 1691; 560,000 vols.; Dir. Dr. G. Pachnicke.

Thüringisches Landeshauptarchiv: Beethovenplatz 3; f. 1547; maintains branches in Gotha, Greiz, Meiningen and Rudolstadt; Dir. Dr. Hans Eberhardt.

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MUSEUMS AND ART GALLERIES

Berlin

Staatliche Museen zu Berlin: C.2, Bodestrasse 1/3; f. 1830; Gen. Dir. Prof. Dr. Gerhard Meyer; supervises the following museums and collections:

National-Galerie: C.2, Bodestrasse 1/3; f. 1876; paintings and sketches from the end of the 18th century to the present day; Curator Dr. Vera-Maria Ruthenberg.

Vorderasiatisches Museum: Dir. Prof. Dr. Gerhard Meyer.

Islamisches Museum: Curator Dr. Wolfgang Dudzus.

Antiken-Sammlung: Dir. Prof. Dr. Carl Blümel.

Ostasiatische Sammlung: Dir. Bruno Voigt.

Museum für Volkskunst: Dir. Dr. Steinmann.

Museums-Bibliothek: Dir. Kurt Schifner.

Bode-Museum:

Ägyptisches Museum: Dir. (Komm.) Dr. Wolfgang Müller.

Frühchristlich-Byzantinische Sammlung: Curator (Komm.) Dr. Edith Fründt.

Skulpturen-Sammlung: Curator Dr. Edith Fründt.

Gemälde-Galerie: Curator Dr. Renate Vorpahl.

Kupferstich-Kabinett: Dir. Dr. Werner Timm.

Münzkabinett: Dir. Prof. Dr. Arthur Suhle.

Kunstgewerbe-Museum: C.2, Splittgerbergasse 3; Curator Dr. Sabine Baumgärtner.

Märkisches Museum kultur-historisches Museum der Stadt Berlin: Am Köllnischen Park 5, C.2; f. 1874; illustrates history of Berlin, its culture and its art; Dir. Dr. Erik Hühns.

Museum für deutsche Geschichte: W.8, Unter den Linden 2; Dir. Dr. Erika Herzfeld.

Museum für Naturkunde der Humboldt-Universität, Berlin (*Natural History Museum*): N.4, Invalidenstr. 43; f. 1883. The Museum comprises the following institutions,

Geologisch-Paläontologisches Institut und Museum der Humboldt-Universität, Berlin (*Geological and Palæontological Institute and Museum of the University of Berlin*): f. 1810; provides academic instruction in geology and palæontology; has a library of 30,000 vols.; Dir. Prof. Dr. Rudolf Daber; Curators Dr. H. Jaeger, Dr. K. Diebel.

Mineralogisch-Petrographisches Institut und Museum der Humboldt-Universität, Berlin (*Mineralogical Institute and Museum of Berlin University*): f. 1783 as Royal Prussian Institute of Minerals; has collections of minerals and specimens of ore deposits; 4,000 vols. in library; Dir. Prof. Dr. W. Kleber; Curator Dr. E. Fischer.

Institut für Spezielle Zoologie und Zoologisches Museum der Humboldt-Universität, Berlin (*Institute for Systematic Zoology and Zoological Museum of the University of Berlin*): f. 1810; research and instruction; library of ca. 116,630 vols.; Dir. Dr. R. Gottschalk; Librarian K. Gläske; publs. *Mitteilungen aus dem Zoologischen Museum in Berlin, Deutsche Entomologische Zeitschrift.*

Dresden

Museumskombinat der Dresdener Wiss. Museen: A 1, Augustusstr. 2; Dir.-Gen. Dr. Wilhelm Götz.

Staatl. Mathematisch-Physikalischer Salon: Dresden, Zwinger; Dir. Dipl. Ing. Grötzsch.

Staatl. Museum für Mineralogie und Geologie: A 1 Augustusstr. 2; Dir. Dr. Prescher.

Staatl. Museum für Tierkunde: Dresden, Augustusstr. 2; Dir. Dr. Götz.

Landesmuseum für Vorgeschichte: N.6, Japanisches Palais; Dir. Dr. Coblenz.

Staatl. Museum für Völkerkunde: N 6, Japanisches Palais; Dir. Dr. Wolf.

Museum für Photographie: A 21, Lewickistr. 14; Dir. Dr. Hahn.

Staatliche Kunstsammlungen Dresden: Head Office: Dresden, A 1, Georg-Treu-Platz 2, Albertinum; Gen. Dir. Prof. Max Seydewitz; comprises:

Gemäldegalerie Alte Meister: Semperbau Zwinger; Dir. Dr. Henner Menz.

Gemäldegalerie Neue Meister: Schloss Pillnitz; Dir. Joachim Unlitzsch.

Kupferstichkabinett: Dresden A 16, Güntzstrasse 34; Dir. Dipl. phil. Werner Schmidt.

Skulpturensammlung: Dresden A 1, Georg-Treu-Platz 2; Dir. Dipl. phil. Martin Raumschüssel.

Grünes Gewölbe: Dresden A 1, Georg-Treu-Platz 2, Dir. Dr. Joachim Menzhausen.

Porzellansammlung: Dresden A 1, Zwinger, entry Sophienstrasse; Dir. Hilde Rakebrand.

Historisches Museum: Dresden A 1, Semperbau Osthalle und Zwinger; Dir. Dipl. phil. Johannes Schöbel.

Münzkabinett: Dresden A 1, Georg-Treu-Platz 2 und Zwinger; Dir. Franz Zapf.

Museum für Kunsthandwerk: Dresden A 16, Güntzstrasse 34 und Schloss Pillnitz, Wasserpalais; Dir. Hilde Rakebrand.

Abgusswerkstatt: Dresden A 1, Georg-Treu-Platz 2;

Zentrale Kunstbibliothek: Dresden A 16, Güntzstrasse 34; Dir. Käthe Neumann.

Barockmuseum: Schloss Moritzburg bei Dresden.

Schloss Weesenstein: Müglitztal, Kreis Pirna; 18th and 19th century rooms.

Museum für Stadtgeschichte: Dir. Linus Hamann; Section 1 (Town History), N 15, Dr.-Kurt-Fischer-Platz 3; Section 2 (History of Dresden Workers' Movement), A 1, Friesengasse 2; the Carl-Maria-von-Weber-Gedächtnisse, the J.I. Kraszewski-Haus, the Martin-Andersen-Nexö-Gedenkstätte and the Schiller-Haus are at present closed.

Verkehrsmuseum (*Museum of Transport*): Dresden A1, Augustusstrasse 1; Dir. Prof. Dr. Elfriede Rehbein.

Gotha

Heimatmuseum: Schloss Friedenstein; Dir. Dr. H. Motschmann.

Naturkundemuseum: Parkallee 15; f. 1650; Dir. Dr. Herbert Motschmann.

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Schlossmuseum Gotha: Schloss Friedenstein; art collection, coin collection, furnished rooms; Dir. Frau GREINER-KÜHNE.

HALLE

Landesmuseum für Vorgeschichte: Richard-Wagnerstr. 9/10; f. 1823; pre- and medieval history; library of 16,000 vols.; Dir. Dr. HERMANN BEHRENS; publs. *Jahresschrift für mitteldeutsche Vorgeschichte* (annual), *Veröffentlichungen des Landesmuseums für Vorgeschichte, Vorgeschichtliche Museumsarbeit und Bodendenkmalpflege* (periodical).

JENA

Goethezimmer im Goethehaus des Botanischen Gartens: Goetheallee 26; f. 1921; Admin. Friedrich-Schiller-University.

Stadtmuseum Jena: Museale Ausstellungen: Griesbachgarten; Dir. MARIA SCHMID.

Schillers Gartenhaus mit Schillermuseum: Schillergässchen 3; property of Friedrich-Schiller-Univ., used by Univ. Meteorological Institute.

LEIPZIG

Deutsches Buch- und Schriftmuseum der Deutschen Bücherei (*German Book Museum*): Deutscher Platz; f. 1884; exhibits relate to history of books, writing, and paper; library of *c.* 36,000 vols.; Dir. Dr. FRITZ FUNKE.

Deutsches Institut für Länderkunde: Leipzig C.1; Georgi-Dimitroff-Platz 1; f. 1892; geographical museum and library of 114,000 vols.; Dir. Prof. Dr. Dr. h.c. EDGAR LEHMANN.

Georgi-Dimitroff-Museum: C.1, Georgi-Dimitroff-Platz 1; Dir. PAULI.

Museum der bildenden Künste: Georgi-Dimitroff-Platz 1; f. 1837; Dir. Prof. Dr. JOHANNES JAHN; Curator Dr. SUSANNE HEILAND.

Museum für Völkerkunde Leipzig (*Ethnographical Museum*): Jaubchenweg 2; f. 1869; ethnographical collections from Asia, Indonesia, Pacific Islands, Africa, America, Europe; library of 38,000 vols.; Dir. Prof. Dr. HANS DAMM; Keepers Dr. habil. DROST, Dr. BÖTTGER, Dipl.-ethn, STEIN, Dipl.-ethn, DRÄGER, Dr. KÖNIG, Dipl.-ethn. HARTWIG; publs. *Jahrbuch* (Year Book), *Veröffentlichungen* (Publications), *Führer, Mitteilungen.*

Museum für Geschichte der Stadt Leipzig: Altes Rathaus, C.1, Markt 1; f. 1911; Dir. Dr. HEINZ FÜSSLER.

Städtisches Museum des Kunsthandwerks Leipzig (*Municipal Museum of Industrial Art*): Johannisplatz; f. 1874; textiles, ceramics, glass, wood, and metal objects; collection of etchings and woodcuts relating to ornament (ca. 1,200 prints); libary of 20,000 vols.; Dir. Dr. FRITZ KÄMPFER; Keeper Dr. ANNELIESE HANISCH.

MAGDEBURG

Kulturhistorisches Museum: Otto von Guerickestr. 68–73; f. 1892; art gallery, sculptures, handicrafts, graphics, costumes, sociology, natural history collection and technological museum; publs. *Abhandlungen und Berichte Naturkunde und Vorgeschichte.*

POTSDAM

Museum für Ur-und Frühgeschichte: Forschungsstelle für die Bezirke Potsdam, Frankfurt/O. und Cottbus, Potsdam-Babelsberg, Schloss Babelsberg; Dir. Frau Dr. S. KRAMER.

SCHWERIN

Museum für Ur-und Frühgeschichte: Alter Garten; Dir. Dr. EWALD SCHULDT.

STRALSUND

Kulturhistorisches Museum Stralsund: Mönchstr. 25–27; f. 1858; prehistory, ecclesiastical art, folklore, local history, furniture, history of navigation, modern art, handicrafts, 18th-century products; Dir. WILLI NITSCHKE.

WEIMAR

Museum für Ur- und Frühgeschichte Thüringens in Weimar: Humboldtstr. 11; f. 1888; Curator Prof. Dr. GÜNTER BEHM-BLANCKE; publ. *Jahresschrift "Alt-Thüringen", Monographienreihe.*

Nationale Forschungs- und Gedenkstätten der klassischen deutschen Literatur in Weimar: Am Burgplatz 4; Dir. Prof. HELMUT HOLTZHAUER; directs the following:

Goethe-und Schiller-Archiv: Hans-Wahl-Str. 4.

Goethe-Nationalmuseum: Goethehaus; Goethes Gartenhaus; Schillerhaus; Kirms-Krackow-Haus, Jakobstr. 10; Wittumspalais; Goethe- und Schiller-Gruft; Schloss Tiefurt; Schloss Belvedere; Dornburger Schlösser; Schloss Gross-Kochberg; Jagdhaus Gabelbach; Goethehaus Stützerbach.

Institut für deutsche Literatur: Am Burgplatz 4.

Museum der deutschen Literatur: Am Burgplatz 4.

Zentralbibliothek der deutschen Klassik: Am Burgplatz 4.

Staatliche Kunstsammlungen: Schlossmuseum am Burgplatz; f. 1809 by Goethe; Dir. Dr. WALTHER SCHEIDIG; comprises: (1) Schlossmuseum; (2) Graphische Sammlung; (3) Kunstbibliothek; (4) Rokokomuseum Belvedere; (5) Münzkabinett.

WITTENBERG

Lutherhalle, Reformationsgeschichtliches Museum (*History of the Reformation Museum*): Lutherstadt, Wittenberg; f. 1883; portraits, MSS., pictures, woodcuts, copperplates, medallions and original works on the history of the Reformation; library of *c.* 13,000 vols.; Dir. Prof. D. Dr. OSKAR THULIN.

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Number of teachers: 1,515 including 134 ordinary professors.

Number of students: 11,723.

Publications: *Personal -und Vorlesungs-Verzeichnis, Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin.*

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SCHÄPERCLAUS, WILHELM (Pisciculture and Pond Biology).
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SENNEWALD, JOACHIM (Agricultural Science and Economy).
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WAGENKNECHT, EGON (Afforestation, Game).

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Librarian: Dr. JULIUS HALPERN.

Library of 1,060,000 volumes.

Number of teachers: 131, including 46 Ordinary Professors.

Number of students: 3,070.

Publs.: *Wissenschaftliche Zeitschrift der Ernst Moritz Arndt-Universität Greifswald, Gesellschafts- und sprachwissenschaftliche Reihe und Mathematisch-Naturwissenschaftliche Reihe* (12 issues a year).

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HANSON, HORST (Physio-Chemistry).
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SOMMER, KARLHEINZ (Gynæcology).
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Faculty of Journalism: Prof. Dr. WOLFGANG RÖDEL.

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EICHLER, ERNST (Pedagogy).
FISCHEL, WERNER (Animal Psychology).
FISCHER, RUDOLF (Slavonic Studies).
JAHN, JOHANNES (History of Art).
KRAUSS, WERNER (Romance Philology).
LIPS, EVA (Ethnology).
MARKOV, WALTER (Medieval and Modern History).
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BÜDZISLAWSKI, HERMANN (History of Journalism).
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HEBER, GERHARD (Theoretical Physics).
HOLZAPFEL, HEINZ (Inorganic Chemistry).
ILBERG, WALDEMAR (Electrophysics).
LAUTERBACH, ROBERT (Geophysics).
LEHMANN, EDGAR (Geography).
LEIBNITZ, EBERHARD (Chemical Technology).
LÖSCHE, ARTHUR (Physics).
NEELS, HERMANN (Mineralogy).
ROHLEDER, HANS (Computer Technology).
STERBA, GÜNTHER (Zoology).
WAGNER, GÜNTHER (Pharmacy).
WEICHSEL, GERTRUD (Botany).

Faculty of Agriculture and Horticulture:
EISENHUTH, FRITZ (Special Cultures).
HESSE, WALTER (Meteorology).
LAMPETER, WILHELM (Pastures).
LIEBENBERG, OTTO (Livestock Breeding and Feeding).
MAYER, GEORG (Political Economy).
MÜHLE, ERICH (Phytopathology).
MÜLLER, GEORG (Microbiology).
MÜLLER, HORST (Small-Livestock Breeding).
QUAAS, RUDOLF (Storage and Silage).
RAUHE, KURT (Arable Farming and Plant Cultivation).
ROSENKRANZ, OTTO (Economic and Labour Problems).
SCHUSTER, GOTTFRIED (Botany).
WINKLER, GERHARD (Agrarian Economics).

Faculty of Law:
ARZINGER, RUDOLF (International Law).
ORSCHEKOWSKI, WALTER (Criminal Law).
POLAK, KARL (Public and Common Law).
SUCH, HEINZ (Civil Law).

Faculty of Economics:
BLEY, HORST (Labour Economics).
HEINZE, ALBRECHT (Political Economy).
HOFMANN, GEORG (Technology).
JOSWIG, HEINZ (Finance).
LOS, RUDOLF (Law).
SCHMIDT, JOHANNES (Industrial Economics).

Faculty of Theology:
BARDTKE, HANS (Old Testament Exegesis).
HAUFE, CHRISTOPH (New Testament).
HAUFE, FRIEDRICH (Practical Theology).
LAU, FRANZ (Church History).
WAGNER, HEINZ (Practical Theology).
WIESNER, KURT (Systematic Theology).

Faculty of Medicine:
ARESIN, NORBERT (Gynæcology and Obstetrics).
BEIER, WALTER (Biophysics).
BERTOLINI, ROLF (Anatomy).
BETHMANN, WOLFGANG (Dentistry).
DRISCHEL, HANS (Physiology).
DÖRWALD, WOLFGANG (Forensic Medicine).
EMMRICH, ROLF (Internal Medicine).
HAUSSCHILD, FRITZ (Pharmacology).
HERBST, MARTIN (Surgery).
HOLLE, GOTTFRIED (Pathology).
LIEBE, SIEGFRIED (Pædiatrics).
MATZEN, FRIEDRICH (Orthopaedics).
MEISSNER, FRITZ (Surgery).
MERREM, GEORG (Neurosurgery).
MOSER, FRITZ (Ear, Nose and Throat).
MÜLLER-HEGEMANN, DIETFRIED (Psychiatry and Neurology).
OELSSNER, WILHEM (Radiology).
OTTO, WERNER (Internal Medicine).
SACHSENWEGER, RUDOLF (Ophthalmology).
STRACK, ERICH (Physio-Chemistry).
TUTZKE, DIETRICH (Social Hygiene).
UBERMUTH, HERBERT (Surgery).
WILDFÜHR, GEORG (Hygiene and Bacteriology).
WÜNSCHER, WOLFGANG (Psychiatry and Neurology).

Faculty of Veterinary Medicine:
BENTZ, HANS (Pharmacology and Toxicology).
CHRISTOPH, JOACHIM (Surgery).
HENSEL, HERMANN (General Agricultural Science).
HÜSSEL, LOTHAR (Veterinary Hygiene).
KETZ, HANS ALBRECHT (Veterinary Physiology).
KOLB, ERICH (Veterinary Physio-Chemistry).
KRAHNERT, RUDOLF (Fur-bearing Animals).
LEISTNER, WERNER (Veterinary Food Hygienics).
NEUNDORF, RUDOLF (Ambulatory Veterinary Science).
NICKEL, ERNST-ADALBERT (Veterinary Pathology).
POTEL, KURT (General Pathology, Veterinary Pathological Anatomy).
SCHLEITER, HANS (Veterinary Surgery and Horse Shoeing).
SCHRÖDER, LOTHAR (Veterinary Anatomy).
SCHULZ, JULIUS-ARTHUR (Veterinary Anatomy).
VOIGT, ARTUR (Microbiology).

UNIVERSITÄT ROSTOCK

UNIVERSITÄTSPLATZ, ROSTOCK

Telephone: 7731

Founded 1419

Rector: Prof. RUDOLF SCHICK.
Pro-Rector: Prof. Dr. GÜNTER HEIDORN.
Director of Libraries: ALFRED EBERLEIN.

The library contains approx. 875,000 vols.

Number of teachers: 169, including 36 Ordinary Professors.

Number of students: 2,824 men, 1,628 women, total 4,452.

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Publications: *Wissenschaftliche Zeitschrift (Gesellschafts-wissenschaftliche Reihe)*, *Wissenschaftliche Zeitschrift (Mathematisch-Naturwissenschaftliche Reihe)*, *Archiv der Freunde der Naturgeschichte Mecklenburgs.*

DEANS:

Faculty of Philosophy: Prof. Dr. FRITZ MÜLLER.
Faculty of Mathematics and Natural Sciences: Prof. Dr. WOLFGANG ENGEL.
Faculty of Economics: Prof. Dr. ALFRED KLEIN.
Faculty of Theology: Prof. Dr. KONRAD WEISS.
Faculty of Medicine: Prof. Dr. KARL-HEINZ MEHLAN.
Faculty of Agriculture: Prof. Dr. BERNHARD KAUSSMANN.
Faculty of Shipbuilding: Prof. Dr. RUDOLF POSTL.

PROFESSORS:

Faculty of Philosophy:
BRAEMER, EDITH (History of Modern German Literature).
CUMME, HAIMAR (Pedagogy of Mathematics and Physics).
DONATH, FRIEDRICH (Methodology of History).
ELLER, RUDOLF (Music).
GERNENTZ, HANS-JOACHIM (German Language and Old German Literature).
HEITZ, GERHARD (German Agrarian History).
KÜHNE, ERICH (Modern German Language and Literature).
MÜLLER, FRITZ (History of Pedagogy).
NAUMANN, MANFRED (French Literature).
POLZIN, MARTIN (Modern History).
RAAB, HARALD (Slavonic Studies).
SCHUMANN, HILDEGARD (English and American Literature).

Faculty of Mathematics and Natural Sciences:
BECHERER, GERHARD (Experimental Physics).
BRÄUNIGER, HARALD (Pharmaceutical Chemistry).
v. BÜLOW, KURD (Geology).
ENGEL, WOLFGANG (Mathematics).
KELBG, GÜNTER (Theoretical Physics).
KOCHENDÖRFFER, RUDOLF (Mathematics).
LAUTER, ERNST (Atmospheric Physics).
LIBBERT, EIKE (General Botany).
MACH, FRIEDRICH (Microbiology).
SCHAACKE, INGEBURG (Mineralogy).
SCHMIDT, ADAM (Mathematics).
SCHMIDT, GERHARD (Physical Geography).
SCHOTT, GÜNTHER (Inorganic Chemistry).
SPANNHOF, LUDWIG (Zoology).
WEBER, ULRICH VON (Physical Chemistry).
ZINNER, HELMUT (Organic Chemistry).

Faculty of Economics:
BLECKERT, HEINZ (Political and Economic Geography).
DOMDEY, KARL-HEINZ (Political Economy).
FORBRIG, GOTTHARD (Statistics).
KAPP, RUDOLF (Technology).
KLEIN, ALFRED (Political Economy).
KNOBEL, JOHANNES (Political Economy).
KÖHLER, OTTO (Economics of Shipbuilding).
LANDGRAF, FRITZ (Industrial Economy).
LUCK, HERBERT (Political Economy).
SCHUBERT, EBERHART (Nationalised Economy Accounting).
SPITZNER, OSMAR (Socialist Economic Law).

Faculty of Theology:
BENCKERT, HEINRICH (Systematic Theology).
BERNHARDT, KARL HEINZ (Old Testament).
BEYER, ALBRECHT (Systematic Theology).
HAENDLER, GERT (Church History).
WEISS, KONRAD (New Testament).

Faculty of Medicine:
BAST, GÜNTHER (Internal Medicine).
BECKMANN, AXEL (Physiology).
BIENENGRÄBER, ALEXANDER (Anatomy).
DIETZEL, KURT (Oto-Rhino-Laryngology).
FLEGEL, HEINZ (Skin and Venereal Diseases).
GÖLLNITZ, GERHARD (Psychiatry, Neurology).
GÜLZOW, MARTIN (Internal Medicine).
HELD, FRITZ (Radiology and Röntgenology).
HEROLD, KURT (Forensic Medicine).
KAEDING, ALFRED (Internal Medicine).
KEIL, RUDOLF (Bacteriology).
KIRCHMAIR, HEINRICH (Pediatrics).
KUHLGATZ, GERD (Surgery).
KYANK, HELMUT (Obstetrics and Gynæcology).
MEHLAN, KARL-HEINZ (Social Hygiene).
MÜCKE, DIETRICH (Physiological Chemistry).
PIETRUSCHKA, GEORG (Ophthalmology).
REUMUTH, EBERHARD (Dental Medicine).
SANDER, META (Obstetrics and Gynæcology).
SAYK, JOHANNES (Neurology).
SCHMITT, WALTER (Surgery).
SCHUMACHER, GERT-HORST (Anatomy).
SCHÜTZE, EKKEHARD (Surgery).

Faculty of Agriculture:
DÜWEL, PAUL FRIEDRICH (Agricultural Machinery).
HOFFMANN, GUNTER (Anatomy and Physiology of Domestic Animals).
JANNERMANN, GERHARD (Economics of Socialist Agricultural Management).
KAUSSMANN, BERNHARD (Botany).
KIRCHNER, HANS-ALFRED (Plant Protection).
KRESS, HEINZ (Soviet Methods of Cultivation).
MÜLLER, FRITZ-PAUL (Applied Entomology).
NEUMANN, DIETRICH (Fruit Cultivation).
OLBERTZ, MANFRED (Land Improvement and Irrigation).
PÖHLS, ERNST (Theory of Agricultural Machines).
REINMUTH, ERNST (Phytopathology).
SCHICK, RUDOLF (Biology).
SEIFFERT, MANFRED (Cultivation).
STAHL, WILHELM (Animal Husbandry).

Faculty of Shipbuilding:
BIERMANN, WERNER (Theoretical Statics).
BLASS, JOSEF (Heating Installations).
BÖNING, HEINZ (Shipbuilding and Maintenance).
BRAUN, KARL-THEODOR (Theory of Shipbuilding).
DOBREFF, JIVCO (Boiler and Steam Piston Machinery).
GRÖBE, HERBERT (Electrical Equipment).
JONAS, PAUL (Flow Machinery).
KRANOLD, GERHARD (Internal Combustion Engines).
KRAUSE, ALFRED (Ship Designs).
LANGE, FRANZ (Telecommunications).
MOTZFELD, HEINZ (Statics).
POSTL, RUDOLF (Practical Shipbuilding).
SCHEEL, WILHELM-SIBRAND (Chemical Technology in Machine Building).
SCHMITZ, GERHARD (Current).
SCHUMANN, HERMANN (Materials and Welding Techniques).
STANGE, GEORG (Electrical Machines and Plant).
UHLEMANN, KURT (Machinery and Heating Installation).

Institut of Marxism-Leninism:
GRIES, KÄTHE (Political Economy).
HEIDORN, GÜNTER (Socialism).

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TECHNICAL UNIVERSITY

TECHNISCHE UNIVERSITÄT DRESDEN

DRESDEN A 27, MOMMSENSTRASSE 13

Telephone: Dresden 378 4312

Founded 1828, University status 1961

Rector Magnificus: Prof. Dr.-Ing. habil. KURT SCHWABE.

Number of teachers: 1,200.

Number of students: 11,000, 5,000 correspondent students.

Publications: *Wissenschaftliche Zeitschrift der Technischen Universität Dresden, Personal und Vorlesungsverzeichnis der Technischen Universität Dresden.*

DEANS:

Faculty of Mathematics and Science: Prof. Dr.-Ing. habil. HELMUT HEINRICH.

Faculty of Civil Engineering: Prof. Dr.-Ing. habil. GEORG MÜNTER.

Faculty of Mechanical Engineering: Prof. Dr.-Ing. habil. HORST BERTHOLD.

Faculty of Technology: Prof. Dr.-Ing. FRANZ BREDENDICK.

Faculty of Electrical Engineering: Prof. Dr.-Ing. SIEGFRIED HILDEBRAND.

Faculty of Engineering Economy: Prof. Dr. rer. pol. ARTUR BORDAG.

Faculty of Forestry: Prof. Dr. rer. nat. habil. HANS-JOACHIM FIEDLER.

Faculty of Vocational Education and Liberal Studies: Prof. Dr. paed. habil. DIETRICH HERING.

PROFESSORS:

Department of Mathematics and Science

AHRENS, WALTHER (Hygienics).
BACKHAUS, GEORG (Engineering Mechanics).
BAUMGÄRTEL, EBERHART (Special Fields of Inorganic Chemistry.)
BEREIS, RUDOLF (Geometry).
BEWILOGUA, LUDWIG (Low Temperature Physics).
FREIMUTH, ULRICH (Chemistry of Food and Fermentation).
FÜRST, HANS (Organic Chemistry).
HÄNSEL, GÜNTHER (Technical Electrochemistry).
HARTMANN, WERNER (Measuring Technique for Nuclear Physics).
HASSE, MARIA (Pure Mathematics).
HEINRICH, HELMUT (Applied Mathematics).
HERFORTH, LIESELOTT (Technology of Radioactive Isotopes).
VON HORNUFF, GÜNTHER (Textile Chemistry).
KRIENES, KLAUS (Theoretical Physics).
LANDSBERG, MAX (Pure Mathematics).
LEHMANN, HANS-ALBERT (Inorganic Chemistry).
LEHMANN, N. JOACHIM (Automatic Computation).
MACKE, WILHELM (Theoretical Physics).
MAYER, ROLAND (Organic Chemistry).
MULLER, HEINZ (Mathematics).
NEEF, ERNST (Geography).
OPITZ, GÜNTHER (Applied Mathematics).
POSE, HEINZ (Experimental Nuclear Physics).
RECKNAGEL, ALFRED (Experimental Physics).
REISSIG, ROLF (Special Fields of Applied Mathematics).
REUTHER, RUDOLF (Scientific Photography).
REXER, ERNST (Special Fields of the Physics of High Purity Metals).
SCHINTLMEISTER, JOSEF (Nuclear Spectroscopy).
SCHULZE, GUSTAV E.R. (X-rays and the Physics of Metals).
SCHWABE, KURT (Physical Chemistry and Electrochemistry).
SEDLAG, ULRICH (Zoology).
STASIW, OSTAP (The Physics of Solids).
STATHER, FRITZ (Chemistry and Technology of Tannery).
STRAUB, WERNER (Psychology).
UHLMANN, WERNER (Chemistry of Fuels and Lubricants).
ULBRICHT, HERBERT (Botany).

Department of Civil Engineering:

BAUCH, WERNER (Landscape, Parks and Gardens, and Engineering Biology).
BRENDEL, GOTTFRIED (Theory of Reinforced and Prestressed Concrete and Masonry).
BÜRGERMEISTER, GUSTAV (Statics of Construction Systems and Structures of Steel).
BUSCH, KARL-FRANZ (Hydraulic Engineering and Agricultural Hydraulics).
CHRISTFREUND, WALTHER (Highway Engineering).
FUNK, GEORG (Town Planning).
GÖPFERT, ROLF (Building Design and Social Buildings).
HENTSCHEL, WALTER (History of Art and Preservation of Monuments).
HÜTTER, ALFRED (Building Materials).
JOCHMANN, HORST (Photogrammetry).
KINZE, WALTER (Foundations and Timber Structures).
KUSSMANN, ARPAD (Health Engineering of Buildings, Services).
MLOSCH, PAUL (Statics of Building Construction and Construction Systems).
MÜHLER, ERNEST ALFRED (Art of Interior Decoration).
MÜNTER, GEORG (Theory of Architecture and Design).
PESCHEL, HORST (Land Surveying).
PILLEWIZER, WOLFGANG (Cartography).
RETTIG, HEINRICH (Theory of Construction Systems and Design).
SANDIG, HANS-ULRICH (Geodesic Astronomy).
SCHAARSCHMIDT, FRITZ (Industrial Construction and Design).
TRAUZETTEL, HELMUT (Elementary Creating).
WIEL, LEOPOLD (Building Craft Technology and Design).
ZILL, WALTER (Surveying).

Department of Mechanical Engineering:

ALBRING, WERNER (Applied Fluid Mechanics).
BERTHOLD, HORST (Machine Tools).
BOESLER, JOHANNES (Chemical Process Engineering).
BOIE, WERNER (Combustion Engineering and Heat Economy).
ELSNER, NORBERT (Economics of Energy).
FRONIUS, STEFAN (Machine Elements).
GRUNER, WERNER (Agricultural Engineering Machinery).
JANTE, ALFRED (Internal-Combustion Engines and Road Vehicles).
JUNGNICKEL, HEINZ (Refrigeration Engineering).
LANDMANN, HERMANN (Aircraft Construction).
LICHTENHELDT, WILLIBALD (Engineering Kinematics and Precision Mechanisms).
MÜLLER, RUDOLF (Mechanics of Elastic and Plastic Deformations).
OEHMICHEN, MANFRED (Mechanical Engineering Laboratory, Special Engines).
PAWLOWITSCH, ALEXANDER (Thermodynamics of Jet Power Plants).
POHLENZ, WERNER (Reciprocating Compressors).
RICHTER, WILHELM (Aerodynamics).
SCHMIDT, RUDOLF (Strength of Jet Power Plants).
TRÄNKNER, GOTTFRIED (Mechanical Engineering—General and Design).
WEIGAND, ARTHUR (Theoretical Mechanics and Vibration).
WEINRICH, HELLMUTH (Processing Machinery).

Department of Technology:

BOBETH, WOLFGANG (Textile Raw Materials and Testing).
BREDENDICK, FRANZ (Power Plant Production).
DOBENECKER, OTTO (Measuring Technique and Interchangeable Construction).
EISENKOLB, FRIEDRICH (Engineering Materials).
FLEMMING, HERBERT (Wood and Fibre Technology).
KOLOC, KURT (Industrial Management and Standardization).
LISKE, HORST (Food Technology).
PERNER, HARALD (Spinning and Weaving).
RICHTER, ALFRED (Production Technology).
UNGER, ERNST (Paper Technology).
VOGEL, ARTUR (Work Standardization and Work Study).

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Department of Electrical Engineering:
CLAUSSNITZER, HELMUT (Telemetering and Telecontrol Engineering).
FREITAG, KURT (Telecommunication).
FRÜHAUF, HANS (High Frequency Engineering and Thermionic Valves).
HILDEBRAND, SIEGFRIED (Precision Mechanisms and Electrical Precision Appliances).
KINDLER, HEINRICH (Control Engineering).
KOETTNITZ, HARALD (Electrical Power Engineering).
LAPPE, RUDOLF (Converters and Electric Heating).
LUNZE, KLAUS (General Electrical Engineering).
MIERDEL, GEORG (Theoretical Electrical Engineering and Rectifiers).
OBENAUS, FRITZ (High Tension Engineering).
POMMER, KURT (Construction of Electric Machines)
REICHARDT, WALTER (Electroacoustics, Architectural and Room Acoustics).
SCHULTHEISS, FRITZ (Electrical Power Engineering).
SCHULZE, HERMANN (Electric Supply).

Department of Engineering Economy:
BORDAG, ARTUR (Political Economy).
GANGLOFF, WALTER (Accountancy and Costing).
HILDEBRAND, HANS-JOACHIM (Economics of Energy, incl. Organization and Planning).
LANGE, HERBERT (Organization and Planning of Machine Building Industry).
LIEBSCHER, FRITZ (Economics of Nationally Owned Building Industry).
SIEMENS, HORST (Technology of Machine Building for Engineering Economy Training).

Department of Forestry:
BLANCKMEISTER, JOHANNES (Forest Management).
FIEDLER, HANS-JOACHIM (Science of Forest Soils, Ecology (Site Factors)).
FISCHER, FRIEDRICH (Plant Chemistry and Forest Products Research).
JAHNEL, HELMUT (Forest Botany).
KIENITZ, ERWIN (Forest Economics).
KLEINERT, RUDOLF (Forest Yield Increment).
MÜLLER, GOTTFRIED (Forest Geodesy).
PLEISS, HERMANN (Forest Meteorology and Climatology).
SCHRETZENMAYR, MARTIN (Phytosociology and Systematic Botany).

Department of Vocational Education and Liberal Studies:
BACKE, HANS (Methods of Science Training in Vocational Schools).
LOHMANN, HANS (Special Methods for Engineering Subjects, Higher Technical Education).
MEYER, GERHARD (Vocational Training Methods for Electrical Engineering).
SIEBERT, HANS (Principles of Socialist Education).

COLLEGES

** Indicates that the College is of University standing*

AGRICULTURE

Hochschule für Landwirtschaft: Bernberg/Saale, Bezirk Halle; f. 1961; Rektor Prof. Dr. hab. FRITZ OBERDORF.

ART, ARCHITECTURE

Hochschule für Grafik und Buchkunst in Leipzig (*State Acad. of Graphic Arts and Book Production*): Leipzig, C.1, Dimitroffstr. 11; f. 1764; Rector Prof. BERNHARD HEISIG.

Theaterhochschule Leipzig: Leipzig C.1, Schwägrichenstr. 3; f. 1953; 30 teachers, 100 students; Rector Prof. ARMIN-GERD KUCKHOFF.

ECONOMICS, POLITICAL AND SOCIAL SCIENCES, PUBLIC ADMINISTRATION

Hochschule für Ökonomie Berlin: Berlin-Karlshorst, Hermann-Duncker-Str. 8; Rector Prof. Dr. JOHANNES RÖSSLER.

MEDICINE

***Medizinsche Akademie, Dresden, "Carl Gustav Carus":** Dresden A.16, Fiedlerstrasse; f. 1954; 21 teachers, 698 students.
Rector: Prof. Dr. WOLFGANG OELSSNER.
Registrar: HERBERT SCHWARZENBERG.

***Medizinische Akademie:** Erfurt, Nordhauser Str. 74; f. 1954; 50 teachers, 500 students.
Rector: Prof. Dr. KURT SCHRÖDER.
Pro-Rectors: Prof. Dr. HELMUT PATZER, Prof. Dr. FRITZ MARKWARDT, Prof. Dr. EBERHARD SCHUMANN.

***Medizinische Akademie:** Magdeburg; f. 1954.
Rector: Prof. Dr. K. NISSLER.
Pro-Rector: Prof. Dr. Hj. MATTHIES.

MUSIC

Deutsche Hochschule für Musik: Berlin, W.8, Wilhelmstr. 63; f. 1950; Rector Prof. Dr. EBERHARD REBLING; departments of opera and composition, orchestra and choir school; music teachers' tuition free.

Franz Liszt Hochschule: Weimar, Platz der Demokratie; f. 1872; 480 students, 167 teachers; Rector Dr. WERNER FELIX, Pro-Rectors KURT LÖFFLER, Prof. Dr. PAUL MICHEL.

Hochschule für Musik "Karl Maria v. Weber", Dresden: Dresden A.1, Blochmannstrasse 2/4; f. 1856; Rector Prof. Dr. KARL LAUX; Pro-Rectors HEINZ SIMON, Prof. WALTER BÄNSCH, OTTO KIESSLING; 145 staff, students 450.

Hochschule für Musik Leipzig: Leipzig, C.1, Grassistr. 8; f. 1843; Rector Prof. RUDOLF FISCHER.

Thomasschule: Leipzig, C.1, Hillerstr. 7; f. 1212 for the study of church music and the training of choristers, 80 of whom live in the school and form the Thomanerchor; Bach, the special study of whose music forms part of the curriculum, was Kantor from 1723-50; present Kantor Prof. Dr. KURT THOMAS.

TECHNICAL

***Bergakademie Freiberg i. Sachsen:** Freiberg i. Sachsen, Akademiestr. 6; Rector Prof. Dr. JOACHIM WRANA; Pro-Rectors Prof. Dr. HEINRICH SCHUBERT (Research), Prof. Dr. ERWIN HERLITZIUS (Science Candidates), Doz. Dr. SIEGFRIED WOLF (Basic Social Studies), Dipl.-Ing. Dipl. jur. HANS WEISSFLOG (Student Affairs); library includes 144,237 vols. and patents, documents, plans of mine-workings, etc.

***Hochschule für Architektur und Bauwesen Weimar:** Weimar, Geschw. Scholl-Str. 8; f. 1860.
Rector: Prof. Dipl.-Ing. GUSTAV BATEREAU.
Number of teachers: 62; students: 1,224.

DEANS:
Faculty of Architecture: Prof. Dipl.-Ing. SIEGFRIED SPEER.
Faculty of Civil Engineering: Prof. Dipl.-Ing. FRIEDRICH HAGEDORN.

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Faculty of Building Materials and Building Materials Technology: Prof. Dr. Teodor Schlomka.
Faculty of Workers and Peasants: Dir. Rolf Fritsch.

Hochschule für Bauwesen: Cottbus, Sielower Str. 10; f. 1953; Rektor Magnifizenz Prof. Dr. Lehmann; 63 teachers, 585 students; teaching and research institute; publs. *Wissenschaftliche Zeitschrift* and results of research.

Hochschule für Bauwesen: Leipzig, Rich.-Lehmann-Str. 32; f. 1954; Rector Prof. Dipl.-Ing. Otto-Heinrich Ledderboge.

Hochschule für Binnenhandel: Leipzig; Rector Prof. Dr. habil. Curt Teichmann; Pro-Rectors Dr. Hans Boeck, Dr. Walter Klitzsch, Dr. Lothar Bertullies, Prof. Dr. Dr. Gunter Grundke, Prof. Dr. habil. Wolfgang Heinrichs, Dr. Horst Rühlemann.

***Hochschule für Elektrotechnik:** Ilmenau, Strasse der Jungen Techniker 21; f. 1953.
Rector: Prof. Dr. phil. habil. W. Heinze.
Number of teachers, including professors: 280.
Number of Students: 2,885.

Deans:

Faculty of Mathematics, Natural Sciences and Elementary Technical Sciences: Prof. Dr.-Ing. Eugen Philippow.
Faculty of Heavy-current Engineering: Prof. Dr.-Ing. Walter Furkert.
Faculty of Light-current Engineering: Prof. Dr.-Ing. Gunther Ulrich.
Faculty of Precision Mechanics and Optics: Prof. Dr.-Ing. Karl-Otto Frielinghaus.
Faculty of Technology and Engineering Economy: Dozent Dr. oec. Heinz Geissler.

***Hochschule für Maschinenbau:** Karl-Marx-Stadt.; technical library, *c.* 150,000 vols.; Rector Prof. Dr.-Ing. Willy Nebel.

***Technische Hochschule "Otto von Guericke":** Magdeburg, Boleslaw-Beirut-Platz 5; f. 1953; Rector Prof. Dr.-Ing. habil. Ernst Joachim Giessmann; Pro-Rectors Prof. Dr. Arno Müller, Prof. Dr. Friedrich Kurth, Prof. Dr. Ernst Stump, Dipl. jur. Siegfried Müller; Deans Prof. Dr.-Ing. Hermann Göcke (Mathematics and Natural Sciences), Prof. Dr.-Ing. Herbert Weinhold (Technology), Prof. Dipl.-Ing. Walter Herrmann (Machine Construction); library of 52,000 vols.; 235 teachers, 2,000 students.

***Hochschule für Verkehrswesen "Friedrich List" Dresden:** Dresden A.1, Friedrich-List-Platz; Tel. 44761; f. 1952.
Rector magnificus: Prof. Dr. Gerhard Rehbein.
Librarian: Dr. Charlotte Boden.
The library contains 93,779 vols.
Number of teachers: 349, including 37 professors.
Number of students: 3,162.

Deans:

Faculty of Transport and Communication Engineering: Prof. Dr. Gerhart Potthoff.
Faculty of Traffic Construction Engineering: Prof. Dr. Gerhard Bienert.
Faculty of Engineering Economics of Transport and Communication: Prof. Dr. Hermann Wagener.

***Technische Hochschule für Chemie:** Mersegurg, Gensaer Str.; f. 1954; Rector Magnificus Prof. Dr. habil. Rolf Landsberg; Deans Prof. Dr. F. Matthes, Prof. Dr. F. Günther, Prof. Dr. G. Geissler; number of staff 50; number of students *c.* 1,800; publ. *Vorlesungsverzeichnisse u. Wissenschaftliche Zeitschrift* (quarterly).

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GHANA

Population 6,690,730

ACADEMY

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P.O. BOX M.32, ACCRA

Founded 1959

On January 1st, 1963, the Ghana Academy of Sciences was merged with the National Research Council, and all the Research Institutes maintained by the National Research Council have become Institutes of the Academy.

Patron: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., G.B.E., F.R.S.

President/Chairman: Osagyefo Dr. KWAME NKRUMAH, P.C.

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Members of the Presidium: Prof. W. E. ABRAHAM, Prof. J. GILLMAN, Prof. F. G. T. TORTO, Dr. R. P. BAFFOUR, Prof. E. A. BOATENG, Justice W. B. VAN LARE, C.M.G., Dr. F. T. SAI, Dr. S. R. A. DODU, Dr. J. C. DE GRAFT-JOHNSON, Prof. A. N. MAY.

Secretary: Dr. J. YANNEY-WILSON.

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Biological Sciences: Prof. J. GILLMAN.
Physical Sciences: Prof. F. G. T. TORTO.

FELLOWS:

ACKAH, Dr. C. A.
BAETA, Rev. Dr. C. G., O.B.E.
BAFFOUR, Dr. R. P.
BANNERMAN, Dr. R. H. O.
BING, G. H. C., C.M.G.
BOATENG, E. A.
CHAPMAN, D. A., C.B.E.
DANQUAH, Dr. J. B.
DE GRAFT-JOHNSON, Dr. J. C.
DE GRAFT-JOHNSON, Dr. (Mrs.), S. B. G.
DODU, Dr. S. R. A.
EASMON, Dr. C. O.
GILBERT, Dr. (Miss) C., F.R.S. (S.A.).
JACKSON, Lady.
KORSAH, Sir ARKU.
KWAPONG, Dr. A. A.
LARTEY, E.
LAMB, J., O.B.E.
MAY, Dr. A. N.
NKETIA, J. H.
OFOSU-APPIAH, L. H.
QUARTEY, Dr. J. A. K.
SAI, Dr. F. T.
STOUGHTON, Dr. R. H.
TORTO, Dr. F. G. T.
TWUM-BARIMA, K.
VAN LARE, W. B., C.M.G.
WRIGHT, Dr. R. W. H.

HONORARY FELLOWS:

H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., G.B.E., F.R.S.
CAINE, Sir SYDNEY.
TODD, LORD ALEXANDER, F.R.S.

RESEARCH INSTITUTES MAINTAINED BY THE ACADEMY

Agricultural Research Institute: P.O. Box 1433, Kumasi; Dir. K. A. QUAIGRAINE (acting).

Agronomy Research Station: Bunso, via Bososu; Officer-in-Charge M. A. ADANSI.

Building Research Institute: P.O. Box 183, Accra; Officer-in-Charge Y. ASANTE.

Cocoa Research Institute: P.O. Box 8, Tafo; Dir. S. T. QUANSAH, B.SC., B.SC.AGRIC., D.T.A.

Encyclopedia Africana: P.O. Box 2797, Accra; Dir. (Vacant).

Entomological and Parasitological Research Unit: P.O. Box 20, Achimota; Dir. Dr. C. JACKSON (acting).

Forest Research Unit: P.O. Box 1917, Kumasi; Officer-in-Charge K. O. A. MENSAH.

National Institute of Health and Medical Research: P.O. Box 2848, Accra; Dir. Prof. J. GILLMAN.

Radio-Isotope and Health Physics Unit: University of Ghana, Legon; Dir. Dr. A. H. WARD (acting).

Research in Local Medicinal Plants: Kwame Nkrumah University of Science and Technology, Dept. of Pharmacy, Kumasi; Dir. E. A. ALLMAN.

Socio-Economic Survey of Contemporary Ghana: P.O. Box 1550, Accra; Joint Dirs. Dr. I. NEUSTADT, W. B. BIRMINGHAM, E. N. OMABOE.

INSTITUTES IN PROCESS OF ESTABLISHMENT

Forest Products Research Institute.

Road Research Institute.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: P.O. Box 1573, Accra; Pres. Mme. VAN LARE; Sec.-Gen. Mme. BASSEGUY.

Arts Council of Ghana: P.O. Box 2738, Accra; f. 1958; to promote and develop the arts and preserve traditional arts; Chair. Prof. J. H. NKETIA; Exec. Sec. B. CASELY-HAYFORD.

British Council, The: P.O. Box 771, Accra; Rep. F. H. CAWSON; Regional Offices: P.O. Box 1996, Kumasi, and P.O. Box 324, Cape Coast.

Classical Association of Ghana: University of Ghana; Sec. I. M. BARTON, M.A.

Economic Society of Ghana: P.O. Box 22, Legon; f. 1954; Pres. J. H. MENSAH; Hon. Sec. T. A. BOYE; publ. *Economic Bulletin of Ghana.*

Ghana Bar Association: Legon; Pres. Dr. J. B. DANQUAH.

Ghana Geographical Association: University of Ghana; f. 1955; Pres. Prof. E. A. BOATENG; Hon. Sec. P. A. NORTEY, Jr.

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Ghana Library Association: P.O. Box 4105, Accra; f. 1962; Pres. G. M. PITCHER, F.L.A.; Sec. S. A. AFRE, A.L.A.

Ghana Science Association: University of Ghana, Legon; f. 1959; Pres. E. A. QUIST-ARCTON; Hon. Sec. W. POPLE.

Historical Society of Ghana: University of Ghana; f. 1952; formerly Gold Coast and Togoland Historical Soc.; Pres. G. W. IRWIN; Hon. Sec. Dr. A. A. BOAHEN; publ. *Transactions.*

Medical Research Institute: P.O. Box 300, Accra; f. 1920; laboratory services and training of personnel; research on tropical medicine and allied subjects; library of 7,000 vols.; Senior Staff: AKHTAR HUSSAIN, B.SC., M.B.B.S., D.C.P., W. N. LAING, M.B., CH.B., D.T.M. & H.

Pharmaceutical Society of Ghana: f. 1935; 4 brs.; Gen. Pres. J. K. A. QUASHIE.

West African Examinations Council: Headquarters office, Accra, Ghana; other offices in Lagos, Nigeria; Freetown, Sierra Leone; London, England; conducts School, Higher School Certificate and G.C.E. Examinations in Nigeria, the School Certificate examination of the West African Examinations Council and G.C.E. examinations in Ghana, the Gambia and Sierra Leone at the request of the various Ministries of Education and also examinations for entry into the Public Services; holds examinations on behalf of the University of London and U.K. examining authorities; Registrar J. DEAKIN.

West African Science Association: University of Ghana, Legon; Hon. Sec. Dr. E. B. LAING.

West African Timber-Borer Research Unit: Kumasi; f. 1953; the unit concentrates on the problems of ambrosia beetles (pin-hole borers) in logs and lumber and on the control of damage by other insects to timber trees and sawmill stock; Officer-in-charge F. G. BROWNE.

LIBRARIES

Accra Central Library: Thorpe Road, P.O. Box 663, Accra; central reference library; union catalogues.

Achimota School Library: Achimota; f. 1927; number of vols. 13,000; Acting Librarian A. C. V. B. TETTEH-CARTEY.

African Bureau of Educational Documentation: Accra; f. 1961; deals with curricula and methods, school health, textbooks, extra-curricular activities, UNESCO assisted.

Ashanti Regional Library: Bantama Road, P.O. Box 824, Kumasi.

George Padmore Research Library on African Affairs: P.O. Box 2970, Accra; f. 1961; 4,000 vols., 120 periodicals; Librarian S. I. KOTEI, A.L.A.; publs. *Monthly Accessions, Bibliographies, Bibliography of Ghana, Annual Ghana National Bibliography* (proposed).

Ghana Library Board: P.O. Box 663, Accra; f. 1950; comprises Accra Central Library (1956), regional libraries at Kumasi (1954), Sekondi (1955); branches at Cape Coast, Dunkwa, Hohoe, Takoradi, Tarkwa, Tamale, Koforidua, Jasikan, Keta, Konongo, Ho, Oda, and Kpandu; mobile libraries, children's libraries; 400,000 vols.; Dir. of Library Services ADOLFUS OFORI.

Kwame Nkrumah University of Science and Technology Library: Kumasi; 30,000 vols.; over 800 periodicals; Librarian G. M. PITCHER, F.L.A.

Library of the Medical Research Institute: Medical Research Centre, Accra; f. 1920; 7,000 vols.; 175 Current periodicals.

Sekondi Regional Library: Old Axim Road, P.O. Box 174, Sekondi.

University of Ghana Library (Balme Library): Legon; 140,000 vols.; Librarian J. E. DEAN, B.A., A.L.A.

West African Cocoa Research Institute Library: P.O. Box 8, Tafo; 2,000 vols. and papers, 120 periodicals.

MUSEUMS

Ghana National Museum: Accra; f. 1957; controlled by the Ghana Museum and Monuments Board; archæological and ethnological finds from all over Ghana; the achievement of man in Africa; Chairman of the Board NENE ANNORKWEI II; Dir. R. B. NUNOO.

Ghana Museum: Accra; Curator H. D. COLLINS.

UNIVERSITIES

UNIVERSITY OF GHANA

P.O. BOX 25, LEGON, NR. ACCRA

Telephone: Accra 77631 and 77351

Founded 1948 as the University College of Ghana (then Gold Coast); raised to University status 1961.

Chancellor: Osagyefo Dr. KWAME NKRUMAH, P.C., B.D., M.A., M.SC., President of the Republic of Ghana.

Vice-Chancellor: CONOR CRUISE O'BRIEN, B.A., PH.D.

Registrar: E. A. K. EDZII, B.A.

Number of teachers: 230.

Number of students: 1,174.

Publications: Annual Reports, *Universitas, University of Ghana Reporter.*

DEANS:

Faculty of Arts: A. A. KWAPONG, M.A., PH.D.
Faculty of Law: W. B. HARVEY, A.B., J.D.
Faculty of Science: W. J. MCCALLIEN, D.SC., F.R.S.E.
Faculty of Social Studies: E. A. BOATENG, M.A., B.LITT.
Faculty of Agriculture: T. L. COULTHARD, B.E., M.SC.

PROFESSORS:

BAETA, C. G., O.B.E., B.A., B.D., PH.D. (Study of Religions).
BOATENG, E. A., M.A., B.LITT. (Geography).
CLARKE, L. E., M.A., PH.D. (Mathematics).
COULTHARD, T. L., B.E., M.SC. (Agricultural Economy and Farm Management).
DREWNOWSKI, J., D.SC.(ECON.) (Economics).
DUNN, M. A., PH.D. (English),
ELIAS, N., D.PHIL. (Sociology).
EWER, D. W., M.B.E., M.A., PH.D., F.R.E.S., F.R.S.S. (Af.) (Zoology).
FLEMMING, W., M.A., M.SC. (Education).
GRAFT-JOHNSON, J. C. DE, B.COM., M.A., PH.D. (Public Education).
HARVEY, W. B., A.B., J.D. (Law).
IRWIN, G. W., B.A., M.A., PH.D. (History).
JONES, R. A., M.C., M.A. (French Studies).
KWAPONG, A. A., M.A., PH.D. (Classics).
LAWSON, G. W., B.SC., PH.D., F.L.S. (Botany).
MAY, A. N., B.A., PH.D. (Physics).
MCCALLIEN, W. J., D.SC., F.R.S.E. (Geology).
NKETIA, J. H., B.A. (African Studies).
SHINNIE, P. L., M.A., F.S.A. (Archæology).
TORTO, F. G. T. O'B., B.SC., PH.D. (Chemistry).
WILKS, I. G., M.A. (African Studies).
WILSON, A. S. B., B.SC. (Animal Science).
(Vacant—Biochemistry, Nutrition and Food Science; Crop Husbandry and Horticulture; Political Science).

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ATTACHED INSTITUTES:

School of Administration.
Director: R. S. AMEGASHIE, B.COMM., A.C.A., F.C.C.S.

Institute of Statistics.
Director: D. H. JONES, B.COMM.

Institute of Public Education.
Director: Dr. J. C. DE GRAFT-JOHNSON, B.COM., M.A., PH.D.

Institute of Education.
Director: W. FLEMMING, M.A., M.SC.

Institute of African Studies.
Director: T. L. HODGKIN, M.A.

Kade Agricultural Research Station: Kade.
Officer-in-Charge: G. LIEFSTINGH, M.SC.(AGRIC).

Kpong Agricultural Irrigation Research Station: Kpong.
Officer-in-Charge: (Vacant).

Nungua Agricultural Research Station.

KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

KUMASI
Telephone: 3201

Founded 1951 as Kumasi College of Technology, raised to University Status 1961.

Chancellor: The Rt. Hon. Osagyefo Dr. KWAME NKRUMAH, P.C., B.A., M.SC.(Penn.), President of the Republic of Ghana.

Vice-Chancellor: Dr. ROBERT PATRICK BAFFOUR, O.B.E., B.SC.(Eng.), Hon. D.SC., M.I.MECH.E., M.I.N.E., F.R.A.S.

Pro Vice-Chancellor: Dr. C. LEVINE, PH.D.(Lond.), B.SC. (Lond), M.A.E.A.I.

Registrar: E. A. ULZEN, B.A.(Lond.).

Librarian: G. M. PITCHER, F.L.A.

Number of teachers: 122.
Number of students: 686.
Publications: *The Journal, University Calendar.*

Faculty of Engineering:
Dean: Prof. C. LEVINE, PH.D.(Lond.)., B.SC.(Lond.)., M.A.E.A.I.
Head of Department of Electrical Engineering: (Vacant).
Head of Department of Civil Engineering: Prof. C. LEVINE.
Head of Department of Mechanical Engineering: (Vacant).

Faculty of Agriculture.
Head: Prof. K. TWUM BARIMA, M.A.DIP.AGRIC., D.T.A.

Faculty of Architecture, Town Planning and Building.
Head: Prof. J. R. LLOYD.

Faculty of Pharmacy.
Head: E. A. ALLMAN, M.P.S., F.S.C.M.

Faculty of Science.
Head: Prof. K. C. WHITTAKER, M.A., DIP.ED.(Oxon.), B.SC.(Lond.).

Faculty of Fine Art and Crafts.
Head: Prof. E. V. ASIHENE.

UNIVERSITY COLLEGE OF CAPE COAST

PRIVATE POST BAG, CAPE COAST
Telephone: Cape Coast 128

Founded 1962

The College awards degrees of the University of Ghana.

Chancellor: Osagyefo Dr. KWAME NKRUMAH, P.C., B.D., M.A., M.SC., President of the Republic of Ghana.

Principal: Dr. C. A. ACKAH.

Registrar: K. A. OBESE-JECTY.

Number of teachers: 50.
Number of students: 300.

Publication: *OGUAA* (Journal of the University College).

HEADS OF DEPARTMENTS:

Arts: M. MACMILLAN.

Science: M. G. CLARKE (acting).

COLLEGES

Awudome Residential Adult College: P.O. Box 25, Tsito; f. 1950 and now attached to the Institute of Public Education of the University of Ghana; provides residential liberal and scientific education for adult students from Ghana and other countries in Africa; subjects taught include economics, economic history, history, political science, international affairs with particular emphasis on African affairs, sociology, trade union studies, administration, science and everyday life; Number of students: 40.
Director: Prof. J. C. DE GRAFT-JOHNSON, M.A., B.COM., PH.D.

Ghana Library School: P.O. Box 2362, Accra; f. 1961; set up by the Ghana Library Board; courses lead to the examinations of the British Library Association; Principal R. G. BENGE, M.C., F.L.A.; 4 teachers, 30 students.

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GREAT BRITAIN

Population 52,673,000

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

GENERAL

THE ROYAL SOCIETY

BURLINGTON HOUSE, LONDON, W.1
Telephone: REGent 3335
Founded 1660 for the promotion of natural knowledge.
Incorporated by Royal Charter in 1662.

COUNCIL:

(to November 30th, 1963)

President: Sir HOWARD FLOREY.

Treasurer and Vice-President: Lord FLECK.

Secretary: Biological and Vice-President: Sir LINDOR BROWN.

Secretary: Physics and Vice-President: Sir WILLIAM V. D. HODGE.

Foreign Secretary and Vice-President: Sir PATRICK LINSTEAD.

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Executive Secretary: Dr. D. C. MARTIN, C.B.E., B.SC., PH.D., F.R.I.C., F.R.S.E.

Publications: *Philosophical Transactions, Proceedings, Year Book, Biographical Memoirs of Fellows, Notes and Records.*

FELLOWS:

ABERCROMBIE, MICHAEL, M.A., B.SC., embryologist.
ABRAHAM, EDWARD PENLEY, M.A., PH.D., biochemist.
ADAIR, GILBERT SMITHSON, M.A., biophysicist.
ADAM, NEIL KENSINGTON, M.A., SC.D., physical chemist.
ADAMS, JOHN BERTRAM, C.M.G., Hon. D.SC., physicist.
ADLER, SAUL, O.B.E., parasitologist.
ADRIAN OF CAMBRIDGE, Lord, O.M., M.A., D.SC., M.D., LL.D., F.R.C.P., physiologist.
AITKEN, ALEXANDER CRAIG, M.A., D.SC., F.R.S.E., statistician.
ALLEN, JOHN FRANK, M.A., PH.D., physicist.
ALLEN, NORMAN PERCY, D.SC., metallurgist.
ALLIBONE, THOMAS EDWARD, D.SC., PH.D., electrical engineer.
AMOROSO, EMMANUEL CIPRIANO, M.B., B.CH., PH.D., B.A.O., physiologist.
ANDERSON, JOHN STUART, PH.D., M.SC., chemist.
ANDRADE, EDWARD NEVILLE DA COSTA, D.SC., PH.D., F.INST.P., physicist.
ANDREWES, CHRISTOPHER HOWARD, B.SC., M.D., F.R.C.P., pathologist.
APPLETON, Sir EDWARD, G.B.E., K.C.B., M.A., D.SC., physicist.
ASHBY, Sir ERIC, M.A., D.SC., D.LITT., botanist.
ATIYAH, MICHAEL FRANCIS, PH.D., mathematician.
ATTLEE, CLEMENT RICHARD, Earl, K.G., P.C., O.M., C.H.
AUERBACH, CHARLOTTE, PH.D., D.SC., animal geneticist.

BADDILEY, JAMES, chemist.
BAGNOLD, Brigadier RALPH ALGER, O.B.E., M.A., A.M.I.E.E., F.R.G.S., geophysicist.
BAILEY, Sir EDWARD, M.C., M.A., F.R.S.E., F.G.S., geologist.
BAKER, Sir JOHN FLEETWOOD, O.B.E., mechanical engineer.
BAKER, JOHN RANDALL, M.A., PH.D., D.SC., cytologist.
BAKER, WILSON, chemist.
BARBER, HORACE NEWTON, botanist.
BARCROFT, HENRY, M.D., M.R.C.P., physiologist.
BARKER, JOHN, M.A., PH.D., plant physiologist.
BARLOW, HAROLD EVERARD MONTEAGLE, electrical engineer.
BARRER, RICHARD MALING, chemist.
BARTLETT, Sir FREDERIC, C.B.E., M.A., psychologist.
BARTLETT, MAURICE STEVENSON, statistician.
BARTON, DEREK HAROLD RICHARD, chemist.
BATCHELOR, GEORGE KEITH, PH.D., mathematician.
BATES, DAVID ROBERT, D.SC., M.R.I.A., mathematician.
BATES, LESLIE FLEETWOOD, D.SC., physicist.
BAWDEN, FREDERICK CHARLES, M.A., plant pathologist.
BAWN, CECIL EDWIN HENRY, C.B.E., B.SC., PH.D., chemist.
BEALE, GEOFFREY HERBERT, M.B.E., PH.D., geneticist.
BEALS, CARLYLE SMITH, D.SC., astrophysicist.
BEDSON, Sir SAMUEL PHILLIPS, M.D., M.SC., B.S., bacteriologist.
BELL, RONALD PERCY, M.A., chemist.
BENNET-CLARKE, THOMAS ARCHIBALD, M.A., PH.D., botanist.
BERGEL, FRANZ, chemist.
BERNAL, JOHN DESMOND, M.A., crystallographer.
BERRILL, NORMAN JOHN, B.SC., PH.D., D.SC., zoologist.
BESICOVITCH, ABRAM SAMOILOVITCH, M.A., mathematician.
BEST, CHARLES HERBERT, C.B.E., M.A., M.D., D.SC., F.R.S.C., F.R.C.P.(C.), physiologist.
BHABHA, HOMI JEHANGIR, PH.D., D.SC., physicist.
BILLINGHAM, RUPERT EVERETT, zoologist.
BINNIE, ALFRED MAURICE, engineer.
BIRCH, ARTHUR JOHN, PH.D., M.SC., organic chemist.
BISAT, WILLIAM SAWNEY, M.SC., engineer.
BISHOP, ANN, SC.D., chemist.
BLACKETT, PATRICK MAYNARD STUART, M.A., physicist.
BLACKMAN, GEOFFREY EMMET, agronomist.
BLACKMAN, MOSES, physicist.
BLACKMAN, VERNON HERBERT, M.A., SC.D., biologist.
BLASCHKO, HERMANN KARL FELIX, M.D., pharmacologist.
BLEANEY, BREBIS, M.A., D.PHIL., physicist.
BONDI, HERMAN, mathematician.
BORN, MAX, M.A., PH.D., SC.D., physicist.
BOSE, SATYENDRANATH, M.SC., statistician.
BOWDEN, FRANK PHILIP, C.B.E., SC.D., chemist.
BOWEN, EDMUND JOHN, M.A., D.SC., chemist.
BOYD, Brig. JOHN SMITH KNOX, O.B.E., M.D., bacteriologist.
BOYD-ORR OF BRECHIN MEARNS, Lord, D.S.O., M.C., M.A., M.D., D.SC., F.R.S.E., veterinary physiologist.
BRADLEY, ALBERT JAMES, D.SC., M.A., crystallographer.
BRAGG, Sir (WILLIAM) LAWRENCE, O.B.E., M.A., physicist.
BRAMBELL, FRANCIS WILLIAM ROGERS, PH.D., D.SC., zoologist.
BRIAN, PERCY WRAGG, SC.D., microbiologist.
BRIDGES, Rt. Hon. Lord, P.C., G.C.B., G.C.V.O., M.C., D.C.L., LL.D., D.LITT.
BRIGGS, GEORGE EDWARD, M.A., botanist.
BROWN, Sir LINDOR, C.B.E., M.SC., M.B., CH.B., physiologist.
BROWN, ROBERT, D.SC., botanist.
BROWN, ROBERT HANBURY, radio-astronomer.
BROWN, THOMAS GRAHAM, D.SC., M.D., physiologist.
BROWN, WILLIAM, M.A., D.SC., botanist.
BROWNING, CARL HAMILTON, M.D., D.P.H., bacteriologist.
BRUCE OF MELBOURNE, Viscount, P.C., C.H., M.C.
BRUNT, Sir DAVID, K.B.E., M.A., SC.D., meteorologist.
BÜLBRING, EDITH, pharmacologist.
BULLARD, Sir EDWARD (CRISP), B.A., PH.D., geophysicist.
BULLEN, KEITH EDWARD, M.A., PH.D., SC.D., mathematician.
BULMAN, OLIVER MEREDITH BOONE, SC.D., palæozoologist.

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BURCH, CECIL REGINALD, C.B.E., PH.D., physicist.
BURCHAM, WILLIAM ERNEST, M.A., PH.D., physicist.
BURHOP, ERIC HENRY STONELEY, nuclear physicist.
BURKILL, JOHN CHARLES, SC.D., mathematician.
BURN, JOSHUA HAROLD ,M.D., pharmacologist.
BURNET, Sir (FRANK) MACFARLANE, O.M., M.D., PH.D., biologist.
BUTLER, CLIFFORD CHARLES, physicist.
BUTLER, JOHN ALFRED VALENTINE, D.SC., chemist.

CALLAN, HAROLD GARNET, cytogeneticist.
CALLOW, ROBERT KENNETH, B.SC., M.A., PH.D., biochemist.
CAMERON, Sir GORDON ROY, D.SC., F.R.C.P., anatomist.
CARTWRIGHT, MARY LUCY, M.A., D.PH., mathematician.
CASSELS, JAMES MACDONALD, physicist.
CASSELS, JOHN WILLIAM SCOTT, PH.D., mathematician.
CATCHESIDE, DAVID GUTHRIE, D.SC., plant cytogeneticist.
CHADWICK, Sir JAMES, M.SC., PH.D., physicist.
CHAIN, ERNST BORIS, M.A., D.PHIL., chemical pathologist.
CHANDRASEKHAR, SUBRAHMANYAN, M.A., PH.D., astronomer.
CHAPMAN, SYDNEY, M.A., D.SC., mathematician.
CHATT, JOSEPH, SC.D., chemist.
CHERRY, THOMAS MACFARLAND, PH.D., SC.D., mathematician.
CHIBNALL, ALBERT CHARLES, PH.D., SC.D., biochemist.
CHRISTOPHERS, Sir (SAMUEL) RICKARD, C.I.E., O.B.E., M.B., bacteriologist.
CHRISTOPHERSON, DERMAN GUY, O.B.E., D.PHIL., mechanical engineer.
CHURCHILL, Rt. Hon. Sir WINSTON, P.C., K.G., O.M., C.H., M.P.
CLAPHAM, ARTHUR ROY, botanist.
CLARK, Sir WILFRED LE GROS, M.A., D.SC., F.R.C.S., anatomist.
CLEMO, GEORGE ROGER, D.SC., F.R.I.C., chemist.
COCHRAN, WILLIAM, PH.D., crystallographer.
COCKCROFT, Sir JOHN (DOUGLAS), O.M., K.C.B., C.B.E., M.A., PH.D., M.SC., A.M.I.E.E., physicist.
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Institute of Chartered Accountants in England and Wales: Moorgate Place, London, E.C.2; f. 1880 by Royal Charter for the elevation of the profession of public accountants as a whole and the promotion of their efficiency and usefulness; 34,000 mems.; library of 40,000 vols.; Pres. Paul Francis Granger, F.C.A.; Sec. Alan S. MacIver, C.B.E., M.C., B.A.; Librarian H. W. Thomson.

Institute of Chartered Accountants of Scotland, The: 27 Queen Street, Edinburgh 2; f. 1854; to deal with professional matters concerning its members; 7,079 mems.; libraries with 25,000 books; Pres. James C. Stewart; Sec. E. H. V. McDougall; publs. *Annual Report, Directory of Members* (annual), *The Accountants' Magazine* (monthly).

Institute of Cost and Works Accountants: 63 Portland Place, London, W.1; f. 1919 to promote the adoption of scientific methods in cost and management accountancy; and to provide a professional organisation; 8,000 mems.; Sec. Derek du Pré publ. *The Cost Accountant.*

Institute of General Managers: 90 Buckingham Palace Road, London, S.W.1; Pres. The Duke of Northumberland; Registrar Capt. Peter Walker.

Agriculture, Veterinary Science

Animal Diseases Research Association: Moredun Institute, Gilmerton, Edinburgh, 9; f. 1920 for research into diseases of farm animals; Dir. John T. Stamp, D.Sc., M.R.C.V.S., F.R.S.E.; Sec. D. M. Cameron, A.C.I.S.; publ. *Annual Report.*

British Veterinary Association (formerly National Veterinary Medical Association of Great Britain and Ireland): 7 Mansfield Street, Portland Place, London, W.1; f. 1881 to advance the veterinary art by means of publications and conferences, and to forward and protect the interests of mems. of the veterinary profession; 5,300 mems.; Pres. Prof. D. L. Hughes, PH.D., F.R.C.V.S., DIP.BACT.; Sec. J. A. Anderson, M.R.C.V.S.; publs. *The Veterinary Record* (weekly), *Research in Veterinary Science* (quarterly).

Commonwealth Forestry Association: at Royal Commonwealth Society, Northumberland Avenue, London, W.C.2; f. 1921; 1,600 mems.; Chair. Bryan Latham, Esq., M.M.; Editor-Sec. P. C. Lancaster, O.B.E., M.A.; publs. *The Commonwealth Forestry Review* (quarterly), *The Commonwealth Forestry Handbook* (occasional), *Commonwealth Forest Terminology.*

Royal Agricultural Society of England: 35 Belgrave Square, London, S.W.1; f. 1838; 16,000 mems.; Sec. and Technical Dir. Christopher Dadd, M.A., DIP.AGRIC. (Cantab.); publs. *Annual Journal, The Review.*

Royal Forestry Society of England and Wales: 49 Russell Square, London, W.C.1; f. 1882 as the English Arboricultural Society to advance the knowledge and practice of forestry and arboriculture, and to disseminate knowledge of the sciences on which they are based; 3,900 mems.; library of 2,000 vols.; Pres. Major Sir Richard Proby, Bt., M.C.; Sec. R. C. B. Gardner, O.B.E.; publ. *Quarterly Journal of Forestry.*

Royal Highland and Agricultural Society of Scotland: 8 Eglinton Crescent, Edinburgh, 12; f. 1784, inc. by Royal Charter 1787, for the promotion of the science and practice of agriculture in all its branches; 14,500 mems.; library of 6,000 vols.; Pres. The Duke of Buccleuch and Queensberry, K.T., G.C.V.O.; Sec. R. M. Lemmon, O.B.E., B.L.; publ. *Transactions* (annual).

Royal Horticultural Society: Exhibition Halls, Library, and Offices, Vincent Square, London, S.W.1; Gardens and School, Wisley, Ripley, Surrey; f. 1804; Pres. The Lord Aberconway, V.M.H.; Sec. J. Hamer, M.B.E., B.A.; publs. *R.H.S. Journal* (monthly), *Botanical Magazine* (half-yearly), year books, etc.

Royal Scottish Forestry Society: 7 Albyn Place, Edinburgh, 2; f. 1854; about 2,100 mems.; library of 600 vols.; Pres. Maj. R. N. Jardine Paterson, Damside, Auchterarder, Perthshire; Sec. Treas. and Librarian R. A. Galloway; publ. *Scottish Forestry* (quarterly).

Royal Welsh Agricultural Society: Queen's Road, Aberystwyth, Cards.; f. 1904; 3,660 mems.; Sec. J. A. George; publs. annual journal, schedules, etc.

Rural Industries Bureau: 35 Camp Road, Wimbledon Common, London, S.W.19; f. 1921 to provide a technical service for the assistance and development of rural industries; Chair. of Trustees Sir Frederick Brundrett, K.C.B., K.B.E.; Dir. Maj.-Gen. S. H. M. Battye, C.B., M.A.

Scottish Society for Research in Plant Breeding: Pentlandfield, Roslin, Midlothian; f. 1921 with the aim of establising a thoroughly equipped station for the creation of new and improved varieties of crop plants, mainly those of agricultural importance in Scotland; 389 mems.; Chair. of Dirs. Sir James Denby Roberts, Bt., O.B.E., M.A., J.P.; Sec. R. J. L. Gallie, F.C.C.S.; Dir. J. W. Gregor, C.B.E., PH.D., D.SC., F.R.S.E.; publ. *Record.*

Society of Dairy Technology: 17 Devonshire Street, London, W.1; f. 1943 for the advancement of dairy technology and for the encouragement of technical education and scientific enquiry; 2,450 mems.; Pres. W. W. Ritchie; Sec. M. Sonn; publ. *Journal* (quarterly).

Society of Foresters of Great Britain: at Commonwealth Forestry Institute, South Parks Road, Oxford; f. 1925 to advance, spread and promote the application of all aspects of forestry, especially in Great Britain and Northern Ireland; 630 mems.; Pres. J. A. B. Macdonald, O.B.E., DIP.FOR.; Sec. and Treas. John Pitt; publ. *Forestry* (half-yearly).

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ARCHAEOLOGY, ANTIQUITIES

Ancient Monuments Society: 12 Edwardes Square, London, W.8; f. 1924 for the study and conservation of ancient monuments, historic buildings and fine old craftsmanship; Pres. The Rt. Hon. The EARL OF ROSSE, M.B.E., M.A., LL.D., M.R.I.A., F.S.A.; Chair. RAYMOND RICHARDS, M.A., F.S.A., F.R.Hist.S.; Dir. Prof. Sir ALBERT RICHARDSON, K.C.V.O., P.P.R.A., M.A., F.S.A., F.R.I.B.A.; Hon. Sec. Rev. W. E. CLARKE, L.TH., F.S.A.; Sec. IVOR BULMER THOMAS, M.A.

British Archaeological Association: 11 Chandos Street, Cavendish Square, London, W.1; f. 1843; 390 mems.; Pres. ERIC G. FLETCHER, LL.D., F.S.A., F.R.HIST.S., M.P.; Hon. Sec. P. KIDSON, PH.D., F.S.A.; publs. *Journal* (annual), *News Bulletin* (monthly).

British Numismatic Society: Hon. Sec. W. SLAYTER, 63 West Way, Edgware, Middx.; f. 1903; 300 mems.; Pres. D. F. ALLEN, F.S.A.; publ. *British Numismatic Journal* (annual).

Cambrian Archaeological Association: f. 1846; 830 mems.; Pres. E. D. JONES, B.A., F.S.A.; Gen. Sec. H. NOEL JERMAN, M.A., F.S.A.; 103 Heathwood Road, Cardiff; publ. *Archaeologica Cambreniss.*

Council for the Care of Churches: 83 London Wall, E.C.2; f. 1917 to maintain the highest standards in the preservation, restoration and alteration of Anglican churches by making available the best artistic and technical advice; there is a special committee on cathedrals; library of 3,000 vols.; Sec. JUDITH SCOTT; Technical Dir. F. I. G. RAWLINS.

Egypt Exploration Society: 2 Hinde Street, London, W.1; f. 1882; Sec. WINIFRED A. KEEVES; publs. *Excavation Memoirs, Archaeological Survey, Graeco-Roman Memoirs, The Journal of Egyptian Archaeology*; library: *see* page 477.

Honourable Society of Cymmrodorion: 20 Bedford Square, London, W.C.1; f. 1751; Royal Charter 1951; approx. 2,100 mems.; Patron H.M. THE QUEEN; Pres. Sir WYNN P. WHELDON, K.B.E., D.S.O., M.A., LL.D.; Chair. Dr. LL. WYN GRIFFITH, O.B.E., D.LITT.; Hon. Sec. Sir JOHN CECIL-WILLIAMS, M.A., LL.D.; publs. *The Transactions, Y Cymmrodor*, Welsh and English versions of *The Dictionary of Welsh National Biography.*

London and Middlesex Archaeological Society: Bishopsgate Institute, Bishopsgate, London, E.C.2; f. 1855; collects and publishes archaeological information relating to London and Middlesex; 500 mems.; Pres. Dr. D. B. HARDEN, O.B.E., M.A., PH.D., F.S.A.; Hon. Sec. E. E. F. SMITH; publ. *Transactions* (annually).

Monumental Brass Society: 85 Addiscombe Road, Croydon, Surrey; f. 1887 to promote the study of, and interest in, better preservation of monumental brasses, and to compile and publish a full and accurate list of all extant and lost brasses, English and foreign; Pres. and Sec. R. H. PEARSON, F.S.A.; publs. *Transactions, Portfolio* (annual).

Palestine Exploration Fund: 2 Hinde Street, London, W.1; f. 1865; 750 subscribers; Pres. The Archbishop of CANTERBURY; Chair. Canon C. B. MORTLOCK; Hon. Sec. Prof. P. R. ACKROYD; publ. *Palestine Exploration Quarterly.*

Prehistoric Society: c/o City Museum, Birmingham 3; f. 1908; 1,138 mems.; Pres. Prof. STUART PIGOTT, B.LITT., D.LITT.HUM., F.B.A., F.S.A.; Hon. Sec. N. DE L'E. W. THOMAS, M.A., F.S.A., A.M.A.; Hon. Editor Prof. J. G. D. CLARK, SC.D., F.B.A., F.S.A.; publ. *Proceedings.*

Royal Archaeological Institute: c/o London Museum, Kensington Palace, London. W.8; f. 1843; Pres. P. K. BAILLIE REYNOLDS C.B.E., T.D., M.A., F.S.A.; Hon. Sec. S. D. T. SPITTLE, M.A., A.R.I.B.A., F.S.A.; publ. *Archaeological Journal.*

Royal Numismatic Society: c/o British Museum, London, W.C.1; f. 1836; over 550 mems.; Pres. PHILIP GRIERSON; Secs. E. S. G. ROBINSON, J. WALKER; publ. *Numismatic Chronicle.*

Royal Philatelic Society, London: 41 Devonshire Place, London, W.1; f. 1869; 1,000 mems.; Pres. H. R. HOLMES; Hon. Sec. GEORGE SOUTH, M.B.E.; publ. *The London Philatelist* (monthly).

Society for the Protection of Ancient Buildings: 55 Great Ormond Street, Queen Square, London, W.C.1; f. 1877 by William Morris. Exists to prevent the unnecessary destruction of old buildings and to advise on their proper repair and treatment; approx. 1,600 mems.; Chair. The Earl of EUSTON, F.S.A.; Sec. Mrs. H. C. DANCE, M.B.E.; publ. *Annual Report.*

Society of Antiquaries of London: Burlington House, London, W.1; f. 1707; 1,050 Fellows; Pres. JOAN EVANS, D.LITT., D.LIT., LL.D., LITT.D., Hon. A.R.I.B.A.; Sec. A. R. DUFTY, A.R.I.B.A.; publs. *Archaeologia, The Antiquaries Journal*; *see* Libraries.

Society of Antiquaries of Scotland: Queen Street, Edinburgh, 2; f. 1780; 1,021 mems.; Pres. The Hon. Lord MIGDALE, M.A.; Sec. ANGUS GRAHAM, M.A., F.S.A.; publ. *Proceedings* (annual).

ARCHITECTURE, SURVEYING

Architectural Association (Inc.): 34–36 Bedford Square, London, W.C.1; f. 1847; 3,500 mems.; library 10,000 vols.; Pres. ANTHONY COX; Dir. E. J. CARTER; Sec. G. R. WILTSHIRE; publ. *Journal* (monthly).

Faculty of Architects and Surveyors: 68 Gloucester Place, London, W.1; f. 1926; Sec. H. M. SOAR; publ. *Portico* (quarterly).

The Civic Trust: 79 Buckingham Palace Road, London, S.W.1; f. 1957 for the encouragement of good architecture and civic planning; financed by industry; Pres. Mr. DUNCAN SANDYS; administered by a board of trustees.

Incorporated Association of Architects and Surveyors: 29 Belgrave Square, London, S.W.1; f. 1925; 3,500 mems.; Pres. STANLEY R. NEVELL; Hon. Sec. A. C. WILLIAMSON; publs. *List of Members, The Architect and Surveyor* (bi-monthly).

Institute of Registered Architects: 68 Gloucester Place, London, W.1; f. 1933 to secure the unification of the architectural profession, and to provide a central organisation for all architects registered under the Acts 1931–38; 1,850 mems.; Pres. D. PLASKETT MARSHALL, F.R.I.B.A.; Sec. A. E. WARD, F.C.C.S.; publ. *Journal* (quarterly).

Royal Incorporation of Architects in Scotland: 15 Rutland Square, Edinburgh; f. 1916 as a professional organisation; 3,000 mems.; Pres. WILLIAM MCCREA, F.R.I.B.A.; Sec. K. MACRAE, W.S.; publ. *Quarterly.*

Royal Institute of British Architects: 66 Portland Place, London, W.1; f. 1834; 26,000 mems.; Pres. Prof. Sir ROBERT H. MATTHEW, C.B.E., A.R.S.A.; Sec. GORDON RICKETTS, M.A.; publs. *Journal* (monthly), *Kalendar* (annual); *see* Libraries.

Royal Institution of Chartered Surveyors: 12 Great George Street, Parliament Square, London, S.W.1; f. 1868 as the Institution of Surveyors, received Royal Charter 1881; proclaimed as a Royal Institution 1946; 25,700 mems.; Pres. C. D. PILCHER, F.R.I.C.S., F.A.I.; Sec. Rear-Admiral P. W. BURNETT, C.B., D.S.O., D.S.C.; publ. *The Chartered Surveyor* (monthly); *see* Libraries.

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ART, THE ARTS

Art-Workers' Guild: 6 Queen Square, London, W.C.1; f. 1883 to bring into closer union workers in the various arts and crafts; 275 mems.; Master Sir S. GORDON RUSSELL, C.B.E., R.D.I.; Hon. Secs. A. LLEWELLYN SMITH, F.R.I.B.A.; C. W. HUTTON, F.R.I.B.A.; publ. *Annual Report*.

Arts Council of Great Britain: 4 St. James's Square, London, S.W.1; f. 1940 as the Council for the Encouragement of Music and the Arts (C.E.M.A.) and transformed into the Arts Council in 1946 when a Royal Charter was granted directing it to develop knowledge, appreciation and practice of the fine arts, increase their accessibility to the public, and to advise and co-operate with government depts., local authorities and other bodies concerned with these objects; 16 mems.; Chair. Lord COTTESLOE, G.B.E.; Sec.-Gen. NIGEL JAMES ABERCROMBIE; publs. *Annual Report*, etc.

British Drama League: 9–10 Fitzroy Square, London, W.1; f. 1919 by Geoffrey Whitworth for the encouragement of the Art of the Theatre, and to promote a right relation between drama and the life of the community; 6,000 mems., including over 4,000 affiliated organisations; Pres. Lord ESHER, G.B.E.; Chair. IVOR BROWN, C.B.E., LL.D.; Administrator WALTER LUCAS; publ *Drama* (quarterly); library: *see* Libraries.

British Society of Master Glass-Painters: 6 Queen Square, London, W.C.1; f. 1921 to promote, encourage, and assist the art of glass-painting, and to take all necessary steps for the preservation of ancient stained glass in Great Britain; 170 mems.; Pres. Most Hon. The Marquess of SALISBURY, K.G.; Hon. Sec. E. LIDDALL ARMITAGE; publs. *Journal* (annual), *The Directory of Members' Works* (triennial).

Contemporary Art Society: Tate Gallery, Millbank, London, S.W.1; f. 1910 to acquire works by living artists for loan or gift to public galleries; Organising Sec. PAULINE VOGELPOEL, M.B.E.

Council of Industrial Design: The Design Centre, 28 Haymarket, London, S.W.1; f. 1944 to promote the improvement of design in the products of British industry; permanent exhibition of British goods at The Design Centre; Chair. of Council Sir DUNCAN OPPENHEIM; Dir. PAUL REILLY; Scottish Cttee. Chair. IAN W. S. WILSON; publs. *Design* (monthly), *Design Calendar* (monthly).

Faculty of Royal Designers for Industry: Royal Society of Arts, John Adam Street, London, W.C.2; f. 1936; number of holders of R.D.I. limited; Pres. Sir HILARY BLOOD, G.B.E., K.C.M.G., LL.D.; Master: LAURENCE IRVING, O.B.E., R.D.I.; Sec. G. E. MERCER.

Imperial Arts League: The Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1909 to protect, advise and help artists and craftsmen resident in the British Commonwealth who enrol as members; Secs. REGINALD BLACKMORE, MALCOLM FRY.

Incorporated Institute of British Decorators and Interior Designers: Alderman House, 37 Soho Square, London, W.1; f. 1899 to promote the art or craft of decoration in all its branches and the profession of interior design, and to improve the status, training and qualification of its members; Gen. Sec. C. W. ALLEN, F.R.S.A., F.C.C.S.; publ. *The Record* (quarterly).

Institute of British Photographers: 38 Bedford Square, London, W.C.1; f. 1901; represents professional photographers; to improve the quality of photography; to establish recognised examinations and standards of conduct; to safeguard the interests of the public and the profession; mems. approx. 3,500; Sec. J. L. A. HUNT, F.C.C.S.; publ. *Record* (monthly).

Institute of Contemporary Arts: 17–18 Dover Street, London, W.1; f. 1948 to promote the best and most creative in the arts and to provide a meeting-place for artists and the public; *c.* 1,800 mems.; Pres. Sir HERBERT READ; Chair. ROLAND PENROSE; publ. monthly bulletin circulated to mems.

National Art-Collections Fund: Hertford House, Manchester Square, London, W.1; f. 1903 and incorporated under Royal Charter to secure works of art for the galleries and museums of the British Commonwealth; 10,000 mems.; Chair. Rt. Hon. The Earl of CRAWFORD AND BALCARRES, K.T., G.B.E.; Hon. Treas. A. JOHN HUGH SMITH, M.C., F.S.A.; Hon. Sec. Sir ALEC MARTIN, K.B.E.; Joint Secs. Mrs. A. H. MELDRUM, M.B.E., A. R. C. GRANT.

National Society for Art Education: Brough, Yorkshire; the recognised professional body for principals, lecturers and teachers employed in colleges and schools of art and specialist teachers of art and crafts teaching elsewhere; f. 1888; Gen. Sec. S. I. HEMMING, A.R.C.A., F.S.A.E.

National Society of Painters, Sculptors and Engravers: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1930 to hold an annual exhibition to represent all aspects of art under one roof without prejudice or favour to anyone; 100 mems.; Pres. STANLEY GRIMM, R.O.I., R.P.; Sec. REGINALD BLACKMORE; publ. *Catalogue of Exhibitions*.

New English Art Club: 6½ Suffolk Street, Pall Mall East, London, S.W.1; f. 1886; exhibition October-November, open to all artists; 47 mems., 3 hon. mems., 14 associates; Hon. Sec. VINCENT LINES; Hon. Treas. GEORGE CHARLTON; Sec. M. B. BRADSHAW; publ. *Catalogue of Annual Exhibition*.

Oriental Ceramic Society: 31B Torrington Square, London, W.C.1; f. 1921; to increase knowledge and appreciation of Eastern Ceramic and other arts; Pres. BASIL GRAY, C.B.E.; Sec. Lt.-Col. J. D. GAGE-BROWN.

Pastel Society: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1898 to hold an annual exhibition of pastels and drawings by mems. and non-mems.; 60 mems.; Pres. JAMES GRANT, R.P.; Sec. REGINALD BLACKMORE.

Royal Cambrian Academy of Art: Plas Mawr, Conway, N. Wales; f. 1881 for the promotion of the arts of painting, engraving, sculpture, architecture, and other forms of art in Wales; 100 mems.; Pres. W. MCALLISTER TURNER; Hon. Sec. Mrs. M. DELLA R. WHITEHEAD, S.W.A.; Curator Capt. F. LEES.

Royal Drawing Society: 6 Queen Square, London, W.C.1; f. 1888, inc. 1902; holds examinations in painting and handwriting (The Children's Royal Academy) to encourage the development of children's creative and imaginative faculties; 180 mems.; Pres. R. R. TOMLINSON, A.R.C.A., R.B.A.; Sec. R. J. MURTON.

Royal Fine Art Commission: 5 Old Palace Yard, London, S.W.1; appointed by Royal Warrant, 1924, to inquire into questions of public amenity or artistic importance referred to them from time to time by any of the Departments of State and to report thereon to such Department, and to give advice on similar questions when so requested by public or quasi-public bodies. Further empowered by Royal Warrant, 1933, to call the attention of any Department of State, or appropriate public or quasi-public body, to projects or developments which in the opinion of the Commission may affect amenities of a national or public character, and, in 1946, to call before them such persons as may be likely to afford information and to visit and inspect

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such places as they may deem it expedient so to inspect for this purpose. Commissioners: The Rt. Hon. Lord BRIDGES, G.C.B., G.C.V.O., LL.D., PH.D., D.C.L., M.C., F.R.S. (Chair.), Sir COLIN ANDERSON, JOHN BETJEMAN, C.B.E., Hon. A.R.I.B.A., The Hon. LIONEL BRETT, M.A. F.R.I.B.A., Sir HUGH CASSON, R.D.I., M.A., F.R.I.B.A., H. M. COLVIN, M.A., RAYMOND ERITH, A.R.A., F.R.I.B.A., ARTHUR FLOYD, C.B.E., B.SC., M.I.C.E., FREDERICK GIBBERD, C.B.E., F.R.I.B.A., M.T.P.I., Sir WILLIAM HOLFORD, M.A., F.R.I.B.A., M.T.P.I., G. A. JELLICOE, F.R.I.B.A., P.P.I.L.A. M.T.P.I., Prof. RICHARD LLEWELYN DAVIES, M.A., F.R.I.B.A., Prof. Sir LESLIE MARTIN, M.A., F.R.I.B.A., HENRY MOORE, C.H., D.LITT., Hon. A.R.I.B.A., JOHN PIPER, Sir EDWARD PLAYFAIR, K.C.B., J.P., J. M. RICHARDS, A.T.I.B.A., Sir BASIL SPENCE, O.M., O.B.E., R.A., A.R.S.A., F.R.I.B.A., B. W. WATKIN, A.M.T.P.I. (Dep. Sec.), The Hon. GODFREY SAMUEL, M.A., F.R.I.B.E. (ret'd.), A.M.T.P.I.

Royal Fine Art Commission for Scotland: 51 Melville Street, Edinburgh; Chair. Sir HECTOR HETHERINGTON; Sec. J. T. BANNATYNE.

Royal Institute of Oil Painters: 195 Piccadilly, London, W.1; f. 1883; exhibitions October-November, open to all artists; 74 mems. and 4 hon. retd. mems.; membership limited to 100, exclusive of hon. mems.; Pres. IAIN MACNAB, R.E.; Sec. REGINALD BLACKMORE; publ. catalogue of exhibitions.

Royal Institute of Painters in Water Colours: 195 Piccadilly, London, W.1; f. 1831; exhibitions March-Aprll, open to all artists; 70 mems., including 4 hon. retd. mems.; also 1 hon. sculptor mem.; Pres. NORMAN WILKINSON, C.B.E.; Sec. REGINALD BLACKMORE; publ. catalogue of annual exhibition.

Royal Photographic Society of Great Britain: 16 Princes Gate, London, S.W.7; f. 1853 for the advancement of the science and art of photography; 7,000 mems.; library of 8,000 vols.; Pres. V. GALLAFENT; Sec. L. E. HALLETT; publs. *The Photographic Journal* (pictorial, monthly); *Journal of Photographic Science* (bi-monthly), *Photographic Abstracts* (8 issues a year), *The Year's Photography* (annually).

Royal Society of Arts: 6–8 John Adam Street, London, W.C.2; f. 1754 for the promotion of arts, manufactures, and commerce; 7,000 mems.; Pres. H.R.H. Prince PHILIP, Duke of EDINBURGH; Chair. Sir HILARY BLOOD, G.B.E., K.C.M.G.; publ. *Journal* (monthly).

Royal Society of British Artists: Suffolk Street, London, S.W.1; f. 1823; instituted for the exhibition and sale of the work of living artists; membership not to exceed 200; Pres. EDWARD I. HALLIDAY, R.P.; Hon. Sec. JOHN BRINE; Keeper MAURICE BRADSHAW.

Royal Society of British Sculptors: 6 Queen Square, London, W.C.1; f. 1904 for the promotion and advancement of the Art of Sculpture; 160 mems.; Pres. E. BAINBRIDGE COPNALL, M.B.E.; Vice-Pres. R. BENTLEY CLAUGHTON; Sec. Miss GRACE CARTER.

Royal Society of Miniature Painters, Sculptors, and Gravers: 6½ Suffolk Street, Pall Mall East, London, S.W.1; f. 1894 to encourage miniature painting and small sculptures; 90 mems.; Pres. SCOTT SHEPHERD, O.B.E.; Sec. M. B. BRADSHAW.

Royal Society of Painter-Etchers and Engravers: 26 Conduit Street, London, W.1; f. 1880 to promote engraving and revive its exercise as a painter's art; annual exhibition; number of Fellows limited to 50; Pres. ROBERT AUSTIN, R.A., P.R.W.S.; Sec. MALCOLM FRY, Hon. R.W.S.

Royal Society of Painters in Water Colours (*Old Water Colour Society*): 26 Conduit Street, London, W.1; f. 1804; exhibitions confined to the work of its members are held twice yearly; 50 mems.; Pres. ROBERT AUSTIN, R.A.; Sec. MALCOLM FRY, F.R.S.A.

Royal Society of Portrait Painters: 6½ Suffolk Street, Pall Mall East, London, S.W.1; f. 1891; 45 mems.; 1 hon. mem.; mems. limited to 50; Pres. JAMES GUNN, A.R.A., LL.D.; Hon. Sec. EDWARD HALLIDAY, P.R.B.A.; Sec. M. B. BRADSHAW; publ. *Catalogue of Annual Exhibition*.

Society for Education through Art: Morley College, 61 Westminster Bridge Road, London, S.E.1; f. 1939 by amalgamation of Art Teachers' Guild and New Society of Art Teachers; seeks to establish an education through art which shall develop the imagination and creative power of the whole rising generation; 1,000 mems.; Pres. Sir HERBERT READ, D.LITT., D.S.O.; Sec. Miss C. J. CROWTHER; publ. *Athene* (bi-annually).

Society for Theatre Research, The: 103 Ralph Court, Queensway, London, W.2; f. 1948; acts as a clearing house for information concerning the history and technique of the British theatre and encourages research in these subjects; library includes MSS., programmes, etc.; Pres. Prof. ALLARDYCE NICOLL; Chair. WILLIAM KENDALL; Hon. Secs. Miss SYBIL ROSENFELD, JACK READING; publs. *Theatre Notebook* (quarterly), an annual publication and pamphlet series.

Society of Designer Craftsmen, The: 6 Queen Square, London, W.C.1; f. 1888 to maintain a standard of integrity in materials and craftsmanship, and to bring the work of craftsmen before the public; 400 mems.; Pres. REGINALD MARLOW; Sec. Mrs. DENHOLM.

Society of Graphic Artists: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1920; to create greater public interest in contemporary work of fine draughtsmanship and print making in colour and black and white; holds exhibitions; 70 mems.; Pres. STUART TRESILIAN; Sec. DAVID IORWERTH JOHN; publ. *Catalogue of Exhibitions*.

Society of Industrial Artists and Designers: 7 Woburn Square, London, W.C.1; f. 1930 as a professional organisation of those engaged in design or illustration for publishing, merchandising or publicity, and in the design of goods for production in quantity; Pres. JACK HOWE, R.D.I., F.R.I.B.A., F.S.I.A.; Exec. Sec. Mrs. A. TOWNSEND; publs. *Journal* (monthly), *Year Book*.

Society of Miniaturists: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1895 to hold an annual exhibition; 53 mems.; Pres. ERNEST LLOYD; Sec. REGINALD BLACKMORE.

Society of Portrait Sculptors: R.W.S. Galleries, 26 Conduit Street, London, W.1; f. 1953 to hold an annual exhibition; Pres. FRANTA BELSKY, F.R.B.S., A.R.C.A.; Dir. MALCOLM FRY, Hon. R.W.S.

BIOLOGY, NATURAL HISTORY

Association of Applied Biologists: f. 1904 to promote the study and advancement of all branches of biology, with special reference to their applied aspects; approx. 800 mems.; Pres. Prof. A. H. BUNTING, M.SC., D.PHIL.; Hon. Sec. F. T. LAST, PH.D., A.R.C.S., Glasshouse Crops Research Institute, Rustington, Littlehampton, Sussex; publ. *Annals of Applied Biology* (bi-monthly).

Association of British Zoologists: f. 1929 to discuss relevant matters and to take action, where necessary, in the interest of zoologists; 550 mems.; Sec. Dr. E. W. BAXTER, F.L.S., Biology Department, Guy's Hospital Medical School, London, S.E.1.

Botanical Society of Edinburgh: Royal Botanic Garden, Edinburgh; f. 1836; 471 mems. and Fellows; Pres. Prof. J. WALTON; Secs. R. WATLING, B.SC., Miss P.

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WATSON, M.A., PH.D.; publs. *Transactions and Proceedings* and *Contemporary Botanical Thought* (series of lectures).

Botanical Society of the British Isles: c/o The Honorary General Secretary, Dept. of Botany, British Museum (Natural History), London, S.W.7.

British Ecological Society: f. 1913 to promote and foster the study of ecology in its widest sense; 1,200 mems.; Pres. Prof. P. W. RICHARDS; Hon. Secs. E. D. LE CREN, Osmington House, Osmington, Weymouth, Dorset, G. C. GOODMAN; publs. *Journal of Ecology* (thrice yearly), *Journal of Animal Ecology* (thrice yearly) and *Journal of Applied Ecology* (twice yearly).

British Mycological Society: f. 1896; 800 mems.; Sec. Dr. R. C. F. MACER, Plant Breeding Institute, Maris Lane, Trumpington, Cambridge; publ. *Transactions* (quarterly).

British Ornithologists' Union: c/o Bird Room, British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1858 for the advancement of the science of ornithology; 1,200 ordinary mems., 15 hon. mems., 29 corresp. mems.; Pres. R. E. MOREAU, M.A.; Hon. Sec. Sir HUGH ELLIOTT; publ. *The Ibis* (quarterly); Editor J. F. MONK, D.M.

British Social Biology Council: 69 Eccleston Square, London, S.W.1; f. 1914 to promote and encourage the teaching of human biology as a cultural and practical subject, and to preserve and strengthen the family as the basic social unit; Pres. The Earl of CRANBROOK; publ. *Biology and Human Affairs* (three times a year).

British Trust for Ornithology: 2 King Edward Street Oxford; f. 1932 to help bird-watchers of the British Isles by stimulating field research in ornithology and by acting as a clearing centre for information; administers National Bird Ringing Scheme and Nest Record Scheme, maintains, jointly with the Univ. of Oxford, the Alexander Library at the Edward Grey Institute of Field Ornithology; approx. 2,800 mems.; Pres. C. A. NORRIS; Sec. D. R. WILSON; publs. *Bird Study* (quarterly) *Bird Migration* (bi-annually), *Annual Report*, Field Guides, special reports.

Challenger Society: c/o National Institute of Oceanography, Wormley, nr. Godalming, Surrey; f. 1903 for the promotion of the study of oceanography; about 300 mems.; Hon. Sec. R. I. CURRIE, B.SC.; publ. *Occasional Papers* and *Annual Reports*.

Eugenics Society: 69 Eccleston Square, London, S.W.1; f. 1907 to promote the study of eugenics; approx.500 mems.; 4,500 vols. in library; Pres. Prof. Sir JAMES GRAY, C.B.E., M.C., F.R.S.; Sec. G. C. L. BERTRAM, M.A., PH.D.; publ. *The Eugenics Review* (quarterly).

Fauna Preservation Society, The: c/o Zoological Society of London, Regent's Park, London, N.W.1; f. 1903 to collect information about the status of wild animals in many parts of the world, particularly in the British Commonwealth; investigate reports of animals in need of protection; make representations to governments to induce them to protect wild animals; form a focus in London for efforts being made for the conservation of wild life, and co-operate with similar organisations in other countries and with the International Union for Conservation of Nature and Natural Resources, encourage the formation of National Parks and Reserves; bring to the public notice the urgent need for the preservation of wild animals; *ca.* 2,000 mems.; Pres. The Marquess of WILLINGDON; Sec. R. S. R. FITTER; publ. *Oryx* (*The Journal of the F.P.S.*) (three times yearly).

Field Studies Council: 9 Devereux Court, Strand, London, W.C.2; f. 1943 to provide facilities for every aspect of field work and to set up for this purpose residential field study and research centres in localities selected for the richness and variety of their ecological features and their geological, geographical, archæological and artistic interest; seven field centres are at present in operation; approx. 4,000 mems.; Pres. The Rt. Hon. Lord HURCOMB, G.C.B., K.B.E.; Chair. Prof. A. R. CLAPHAM, M.A., PH.D., F.R.S.; Founder and Educational Adviser F. H. C. BUTLER, M.A., M.SC.; Sec. and Treas. W. W. J. TINKER, F.C.A.; publs. *Programmes of Courses, Annual Report, Field Studies.*

Freshwater Biological Association: The Ferry House, Ambleside, Westmorland; f. 1929 to promote the investigation of the biology of the animals and plants found in fresh (including brackish) water, and to establish and maintain a laboratory or laboratories equipped with boats and other necessary apparatus for the investigation of freshwater life; 940 mems.; library of 35,000 books and reprints and 3,700 vols. of scientific periodicals; Pres. Sir EDWARD CHADWYCK-HEALEY, Bt., M.C.; Chair. of Council Prof. W. H. PEARSALL, F.R.S.; Sec. and Dir. H. C. GILSON, M.A.; publs. *Annual Report, Scientific Publications.*

Institute of Biology: 41 Queens Gate, London, S.W.7; Sec. D. J. B. COPP.

Linnean Society of London: Burlington House, Piccadilly, London, W.1; f. 1788; *c.* 890 Fellows, 50 Foreign Members and 25 Associates h.c.; 13 ordinary Associates; Pres. T. M. HARRIS, F.R.S.; Secs. Dr. H. G. VEVERS, M.B.E. (Zoology), Dr. C. R. METCALFE (Botany), Dr. JOHN SMART (Editorial); Gen. Sec. T. O'GRADY; publs. *Journal* (Botany), *Journal* (Zoology), *Proceedings*, *Transactions* (irregular); library: *see* Libraries.

London Natural History Society: f. 1858 for the study and enjoyment of natural history and kindred subjects, especially within a radius of 20 miles from St. Paul's Cathedral; 1,500 mems.; Pres. B. L. J. BYERLEY, F.R.E.S.; Gen. Sec. Mrs. SMALL, 13 Woodfield Crescent, W.5; publs. *The London Naturalist, The London Bird Report* (both annual).

Malacological Society of London: c/o The Linnean Society, Burlington House, Piccadilly, London, W.1; f. 1893 to promote the study of the Mollusca; 240 mems.; Pres. Dr. L. R. COX, F.R.S., SC.D.; Sec. JOYCE E. RIGBY, B.SC.; publ. *Proceedings* (three times a year).

Marine Biological Association of the United Kingdom: The Laboratory, Citadel Hill, Plymouth; f. 1884 to promote accurate researches leading to the advancement of zoological and botanical science, and to an increase in our knowledge of the food, life, conditions, and habits of British fishes; the Assn. receives grants from universities and other public bodies and an annual grant-in-aid from H.M. Govt.; 1,300 mems.; library of 30,000 vols.; Pres. Prof. C. F. A. PANTIN, SC.D., F.R.S.; Sec. and Dir. of Laboratory and Editor F. S. RUSSELL, C.B.E., D.S.C., D.F.C., D.SC., LL.D., F.R.S.; publ. *Journal.*

Ray Society: c/o British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1844 to publish works primarily concerned with the natural history of the British Isles; 575 mems.; 144 vols. published; Pres. G. H. LOCKET, M.A., M.SC.; Hon. Sec. D. MACFARLANE, B.SC., F.R.E.S.; Hon. Treas. A. C. TOWNSEND, M.A.

Royal Entomological Society of London: 41 Queen's Gate, London, S.W.7; f. 1833; 1,300 mems.; Pres. Prof. O. W. RICHARDS; Sec. PAUL FREEMAN, M.SC.; publs. *Transactions* (annual), *Proceedings: Series A (General Entomology), Series B (Taxonomic Entomology), Series C (Journal of Meetings), Handbooks for the Identification of British Insects*; library: *see* Libraries.

Royal Physical Society of Edinburgh: c/o Department of Animal Genetics, University of Edinburgh; f. 1771,

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granted Royal Charter 1788, for the cultivation of the natural and physical sciences; originally covered the whole field of science, but, as other societies formed, its scope has narrowed to natural history and palæontology; now mainly concerned with experimental biology and genetics; approx. 160 mems.; Pres. Prof. C. H. WADDINGTON, D.SC., SC.D., C.B.E., F.R.S.; Sec. Dr. H. KACSER, M.SC., PH.D.; publ. *Proceedings* (triennial).

Royal Society for the Protection of Birds: The Lodge, Sandy, Bedfordshire; f. 1889, inc. 1904; approx. 18,000 mems.; Pres. The Rt. Hon. Lord HURCOMB, G.C.B., K.B.E.; Chair. Rev. P. H. T. HARTLEY; Sec. P. E. BROWN, M.B.O.U.O; publs. *Bird Notes* (bi-monthly), *Annual Report*.

Royal Zoological Society of Scotland: Zoological Park, Edinburgh, 12; f. 1909, inc. by Royal Charter 1913, for the promotion of the study of zoology and animal physiology, investigation and preservation of Scottish wild animal life, the establishment and maintenance of zoological parks or gardens in Scotland, etc.; 3,000 mems.; library of 1,000 vols.; Pres. Rt. Hon. The Earl of ROSEBERY, K.T., P.C., D.S.O., M.C., LL.D.; Dir.-Sec. GILBERT D. FISHER; publ. *Annual Report*.

Scottish Field Studies Association: c/o Dept. of Botany, The University, Glasgow, W.2; f. 1945; provides residential facilities for scientific field work at Garth, by Aberfeldy, Perthshire, and organises courses in various parts of Scotland; 700 mems.; Pres. Prof. J. R. MATTHEWS, C.B.E., M.A., F.R.S.E., F.L.S.; Hon. Sec. B. W. RIBBONS, B.SC., M.I.BIOL., F.L.S.; publs. *Annual Report*, programmes of courses.

Selborne Society: f. 1885 to perpetuate the memory of Gilbert White of Selborne and to promote the study of natural history; 700 mems.; Hon. Sec. Maj. G. A. CATTLEY, 57 Corfton Road, Ealing, London, W.5.; publs. *The Selborne Magazine* (quarterly), incorporated in *Birds and Country*.

Society for the Bibliography of Natural History: c/o British Museum (Natural History), London, S.W.7; f. 1936; Pres. Dr. J. RAMSBOTTOM, O.B.E.; Sec. and Editor A. C. TOWNSEND; publ. *Journal*.

Society for the Promotion of Nature Reserves: c/o British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1912; inc. by Royal Charter 1916, for the collection of information about areas of scientific importance, in the United Kingdom or elsewhere in the British Commonwealth, threatened by development; for the preparation of schemes for nature reserves and for their acquisition and maintenance; and for the education of public opinion on the value of nature; 400 mems.; Pres. CHRISTOPHER CADBURY; Secs. N. D. RILEY, C.B.E., A. E. SMITH, O.B.E., M.A.; publ. *Handbook* (annual).

Zoological Society of London: Regent's Park, London, N.W.1; f. 1826; approx. 6,500 mems.; Pres. Sir LANSBOROUGH THOMSON, C.B., O.B.E., M.A., D.SC.; Sec. Prof. Sir SOLLY ZUCKERMAN, C.B., D.SC., F.R.S.; Science Dir. L. HARRISON MATTHEWS, SC.D., F.L.S., F.R.S.; Controller Major-General C. J. G. DALTON, C.B., C.B.E.; publs; *Proceedings* (8 times a year), *Transactions* (irregular).

CHEMISTRY

Biochemical Society: f. 1911 for the advancement of the science of biochemistry; 3,600 mems.; Office: 20 Park Crescent, London, W.1; publs. *The Biochemical Journal* (monthly), *Clinical Science* (bi-monthly), etc.

British Association of Chemists: Hinchley House, 14 Harley Street, London, W.1; f. 1917 to protect the interest of chemists, promote education in chemistry and improve the status of the profession of chemistry; 2,000 mems.; Pres. G. T. GURR, F.R.I.C.; Hon. Sec. F. W. KAY, M.SC., PH.D.; publ. *The British Chemist* (bi-monthly).

Chemical Society: Burlington House, London, W.1; f. 1841; over 14,000 Fellows; Pres. Prof. J. M. ROBERTSON, C.B.E., M.A., D.SC., F.R.S.; Gen. Sec. J. R. RUCK KEENE, M.B.E., T.D., M.A.; publs. *Journal and Proceedings of the Chemical Society*, *Annual Reports*, *Quarterly Reviews* (Editor Dr. L. C. CROSS, T.D., F.R.I.C.), *Current Chemical Papers*; library: *see under* Libraries.

Faraday Society: 6 Gray's Inn Square, London, W.C.1; f. 1903; approx. 2,400 mems.; Pres. (1963) Prof. A. R. UBBELOHDE, C.B.E., M.A., D.SC., F.R.S.; Sec. and Editor F. C. TOMKINS, D.SC., F.R.I.C., F.R.S.; publs. *Transactions of the Faraday Society* (monthly), *Discussions of the Faraday Society* (twice a year).

Pharmaceutical Society: 17 Bloomsbury Square, London, W.C.1; f. 1841; 28,575 mems.; Pres. Miss M. A. BURR, M.P.S.; Sec. HUGH N. LINSTEAD, O.B.E., M.P.; Sec. and Registrar F. W. ADAMS, B.SC., F.P.S., F.R.I.C.; publs. *The Pharmaceutical Journal* (weekly), *Journal of Pharmacy and Pharmacology* (monthly), *The Pharmaceutical Society's Calendar* (annual), *Annual Register of Pharmaceutical Chemists*, *British Pharmaceutical Codex*, *British Veterinary Codex*, *The Extra Pharmacopaeia*, *The Pharmaceutical Pocket Book* (occasional), *Hormones: A Survey of their properties and uses*, *Antibiotics: A Survey of their properties and uses*, and *British National Formulary* (published jointly with the British Medical Association), *Poisons and T.S.A. Guide*.

Royal Institute of Chemistry: 30 Russell Square, London, W.C.1; f. 1877; incorporated by Royal Charter, 1885, second Charter 1949; 16,000 mems. (Fellows, Associates and Graduate Members), also nearly 3,000 students; Pres. Prof. H. J. EMELÉUS; Sec. H. J. T. ELLINGHAM, O.B.E., PH.D., A.R.C.S., M.I.MECH.E., F.I.M., F.R.I.C.; publs. *Journal* (monthly), *Lectures Series* (about 6 issues annually), *Monographs for Teachers* (irregular), *Register of Fellows and Associates* (alternate years); special publications (irregular).

Society for Analytical Chemistry: 14 Belgrave Square, London, S.W.1; f. 1874, inc. 1907; 2,000 mems.; Pres. D. C. GARRATT; Hon. Sec. S. A. PRICE; publs. *The Analyst* (monthly) and *Analytical Abstracts* (monthly).

Society of Chemical Industry: 14 Belgrave Square, London, S.W.1; f. 1881, Royal Charter 1907; 8,000 mems.; Pres. Sir SIDNEY BARRATT; Gen. Sec. FRANCIS J. GRIFFIN; publs. *Chemistry and Industry* (weekly), *Journal of Applied Chemistry* (with abstracts; monthly), *Journal of the Science of Food and Agriculture* (with abstracts; monthly), *Annual Report on the progress of Applied Chemistry*.

ECONOMICS, POLITICS

British Sociological Association, The: Skepper House, 13 Endsleigh Street, London, W.C.1; f. 1951 to promote interest in sociology, to advance its study and application in Britain, and to encourage contacts between workers in all relevant fields of enquiry; Pres. Baroness WOOTTON of ABINGER, M.A., L.H.D., J.P.; Chair. Prof. T. S. SIMEY, M.A.; Vice-Chair. Prof. KEITH KELSALL, M.A.; Hon. Gen. Sec. W. H. SCOTT, B.A., PH.D.; Hon. Treas. R. FLETCHER, B.A., PH.D.; Sec. Miss G. M. AYERS, B.SC.(ECON.).

Electoral Reform Society: Albany Institute, Creek Road, London, S.E.8; f. 1884 to secure an effective vote for every parliamentary and local government elector by

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the adoption of the single transferable vote form of proportional representation for all elections of representative bodies, and similarly for elections in all voluntary organisations; 1,000 mems.; comprehensive reference library; Chair. HAROLD E. B. BRIGHTLEY, T.D.; Sec. Miss ENID LAKEMAN, B.SC.

Fabian Society: 11 Dartmouth Street, London, S.W.1; f. 1884 for the furtherance of socialism and the education of the public on socialist lines; 5,000 mems.; Chair. EIRENE WHITE, M.P.; Gen. Sec. W. T. RODGERS; publs. *Fabian Journal, Venture, Fabian News* (monthly), books and pamphlets.

Hansard Society for Parliamentary Government: 162 Buckingham Palace Road, London, S.W.1; f. 1944 for promoting knowledge of and interest in parliamentary government; 1,600 mems.; 3,000 vols. in library; Chair. Sir EDWARD FELLOWES K.C.B., C.M.G., M.C.; publ. *Parliamentary Affairs* (quarterly).

Institute for Strategic Studies, The: 18 Adam Street, London, W.C.2; f. 1958; aims to promote on a non-party basis the study and discussion of, and the exchange of information upon, the influence of modern and nuclear weapons and methods of warfare upon the problems of defence, strategy, disarmament and international relations; international membership; approx. 360 full mems. and 280 assoc. mems.; Pres. The Rt. Hon. Earl ATTLEE, K.G., P.C., O.M., C.H., F.R.S.; Chair. of the Council Sir KENNETH GRUBB, C.M.G.; Dir. The Hon. ALASTAIR BUCHAN, M.B.E.; publs. *Survival* (bi-monthly), *The Communist Bloc and the Western Alliance—The Military Balance* (annual), *Studies in International Security: NATO in the 1960s, Control of the Arms Race, Men in Uniform, World Order and New States, The Spread of Nuclear Weapons.*

Institute of Economic Affairs: Eaton House, 66A Eaton Square, London, S.W.1; f. 1956; to improve understanding of economics and its applications to business and public policy; Gen. Dir. RALPH HARRIS; publs. major studies, statistical surveys, *Hobart Papers* (shorter studies).

London and Cambridge Economic Service: London School of Economics and Political Science, Houghton Street, Aldwych, London, W.C.2; f. 1923 by economists of London and Cambridge Universities with the aim of providing a service of statistical information and considered interpretations of the facts of current economic developments in the United Kingdom and elsewhere; Sec. to the Editorial Committee H. C. EDEY, B.COM.; publs. quarterly bulletins which appear as supplements to the March, June, September and December issues of the *Times Review of Industry*, Printing House Square, London, E.C.4.

Overseas Development Institute: 160 Piccadilly, London, W.1; f. 1960; to act as a forum and stimulus for the development of the countries of Africa, Asia and Latin America; Chair. Sir LESLIE ROWAN, K.C.B., C.V.O.; Dir. WILLIAM CLARK, M.A.

Royal Economic Society: The Marshall Library, Sidgwick Avenue, Cambridge; f. 1890; 6,000 mems.; Pres. Sir ROY HARROD, F.B.A.; Sec. Prof. AUSTIN ROBINSON, C.M.G., O.B.E., F.B.A.; publ. *Economic Journal* (quarterly).

Royal Institute of Public Administration: 24 Park Crescent, London, W.1; f. 1922 to promote the study and improve the practice of public administration; many public authorities (including governments) and over 4,500 public officials; Pres. Rt. Hon. Lord BRIDGES, P.C., G.C.B., G.C.V.O., M.C., F.R.S.; Dir. RAYMOND NOTTAGE; publ. *Public Administration* (quarterly), books and pamphlets.

Royal Statistical Society: 21 Bentinck Street, London, W.1; f. 1834; approx. 3,400 mems.; Pres. Dr. J. O. IRWIN; Hon. Secs. P. ARMITAGE, B. P. EMMETT, S. V. CUNLIFFE; publs. *Journal* (Series A quarterly), *Journal* (Series B, 2 parts annually), *Applied Statistics* (3 parts annually).

EDUCATION

Central Bureau for Educational Visits and Exchanges: 55A Duke Street, Grosvenor Square, London, W.1; f. 1948; Chair. Sir RONALD GOULD, M.A.; Sec. G. DICKSON; publs. *Special opportunities for Visits Abroad, Working Holidays Abroad, Vacation Courses Abroad, Information for Young Visitors to Britain.*

Central Council of Physical Recreation: 6 Bedford Square London, W.C.1; f. 1935 to improve the physical and mental health of the community through physical recreation; aided by the Ministry of Education; mems. over 200 national orgs. and 70 individual mems.; Pres. H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., K.T., G.M.B.E.; Chair. of Exec. Cttee. Sir STANLEY ROUS, C.B.E.; Gen. Sec. WALTER WINTERBOTTOM; publ. *Sport and Recreation* (quarterly).

City and Guilds of London Institute: 76 Portland Place, London, W.1; f. 1878; for the advancement of technical education and the holding of related examinations; 400 mems.; Chair. A. M. HOLBEIN, C.B.E., F.C.G.I., D.I.C., B.SC.(ENG.), M.I.C.E.; Dir.-Gen. Maj.-Gen. C. LLOYD, C.B. C.B.E., T.D., B.SC., F.INST.P.; Dir. B. D. HANKIN, A.C.G.I. B.SC.(ENG.), A.M.I.E.E.; publs. *Annual Report, Broadsheet, General Regulations.*

College of Preceptors: 2 and 3 Bloomsbury Square, London, W.C.1; f. 1846, incorporated by Royal Charter 1849; Pres. Prof. H. C. DENT, B.A., F.C.P.; Dean B. E. LAWRENCE, C.B.E., M.A., PH.D.; Sec. J. VINCENT CHAPMAN, F.C.P.; provides courses on School Administration for Head Teachers and their Deputies and also conducts the Senior Certificate examination for young people; publs. *Education Today* (quarterly), *Teachers' Guide* (annual), *Your Secondary Modern Schools.*

Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom: 36 Gordon Square, London, W.C.1; Chair. Sir WILLIAM MANSFIELD COOPER, LL.M.; Sec. J. F. FOSTER, M.A., LL.D.

Commonwealth Education Liaison Unit: Marlborough House, Pall Mall, London, S.W.1; f. 1960; the Unit was formed on the recommendation of the Commonwealth Education Conference, July 1959, to assist the Commonwealth Education Liaison Committee in the task of matching educational needs and educational resources in countries of the Commonwealth; Dir. F. K. STEWART, PH.D.

Council for Overseas Colleges of Arts, Science and Technology: 12 Lincoln's Inn Fields, London, W.C.2; f. 1949; advises the Secretary of State for the Colonies on the development in the British Commonwealth of higher technical and commercial education, and recruits teaching staff; activities directed mainly to the Freetown Training College for Teachers, Sierra Leone, the Royal College, Nairobi, the Jamaica College of Arts, Science and Technology and the Malta College of Arts, Science and Technology; Chair. Sir D. LINDSAY KEIR, M.A., LL.D., D.C.L.; Sec. H. M. COLLINS, M.A.

Educational Centres Association: Walthamstow Educational Settlement, Greenleaf Road, Walthamstow, London, E.17; f. 1920; Pres. Prof. Ross D. WALLER, C.B.E., M.A.; Hon. Sec. RAY LAMB.

Educational Foundation for Visual Aids: 33 Queen Anne Street, London, W.1; f. 1948; set up by the Ministry of Education in conjunction with the local education authorities for the promotion, production and distribution of visual aids in education; Dir. J. A. HARRISON.

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Educational Interchange Council, (Inc.), The: 43 Parliament Street, London, S.W.1; f. 1947; promotes and assists educational visits and exchanges; Pres. ROBERT BIRLEY, C.M.G., F.S.A., M.A., D.C.L.; Chair. FRANK E. BELL, M.A.; Gen. Sec. T. RENDALL DAVIES.

Inter-University Council for Higher Education Overseas: 29 Woburn Square, London, W.C.1; f. 1946 to strengthen co-operation between the universities of the U.K. and the existing universities in Colonial territories and newly developing territories within the Commonwealth; to foster the development of higher colleges in such countries and their advancement to university status; to promote higher education, learning and research in such countries; Chair. Sir CHARLES MORRIS; Sec. I. C. M. MAXWELL.

National Adult School Union: 35 Queen Anne Street, London, W.1; f. 1899 as co-ordinating body for County Unions of Adult Schools; 5,500 mems.; Gen. Sec. W. ARNOLD HALL, B.A., B.D.; publs. *One and All* (monthly) and *Annual Study Handbook*.

National Council for Technological Awards: 24 Park Crescent, London, W.1; f. 1955; set up by the Minister of Education as an independent self-governing body, to create and administer technological awards of high standing having a national currency and available for students in technical colleges who successfully complete courses approved by the Council; Chair. Sir HAROLD ROXBEE COX, D.SC., PH.D., D.I.C., M.I.MECH.E., F.R.AE.S., F.INST.F.; Sec. F. R. HORNBY, M.B.E., M.A.; the Council administers:

College of Technologists (address as above); f. 1959; to award Membership of College of Technologists (M.C.T.) as a qualification higher than the Diploma in Technology.

National Council of Labour Colleges: Tillicoultry, Scotland; f. 1921; provides educational facilities specially suited to the needs of the Trade Union, Labour and Co-operative Movements; in conjunction with British T.U.C. it runs education schemes for most trade unions in Britain and N. Ireland and for 12 unions in Colonial or ex-Colonial territories and the Malaya T.U.C., etc.; Pres. Rt. Hon. ARTHUR WOODBURN, P.C., M.P.; Gen. Sec. J. P. M. MILLAR; publs. *Plebs* (monthly) and books.

National Froebel Foundation: 2 Manchester Square, London, W.1; formed 1938 by amalgamation of National Froebel Union (f. 1887) and the Froebel Society; 1,200 mems.; library of over 6,000 vols.; Chair. Miss E. JEBB, C.B.E., M.A.; Organising Dir. Miss A. L. MURTON; Gen. Sec. Miss V. E. NIGHTINGALL; publ. *Bulletin* (alternate months).

National Institute of Adult Education (England and Wales): 35 Queen Anne Street, London, W.1; f. 1949 by incorporation of the British Institute of Adult Education and the National Foundation for Adult Education to promote understanding and co-operation between bodies and individuals engaged in adult education, to encourage inquiry and experiment and serve as a centre of information; both corporate and individual membership; Sec. E. M. HUTCHINSON, O.B.E., M.A.; publs. *Adult Education* (bi-monthly), *Bibliography, Year Book of Adult Education, Calendars of Residential Short Courses, Research Studies*.

Newman Association: Newman International Centre, 31 Portman Square, London, W.1; f. 1942 as Graduate Division of University Catholic Federation of Great Britain; 3,000 mems.; Pres. Miss N. HODGSON, M.A.; Hon. Sec. Miss R. NIXON, B.A.; publ. *The Newman* (monthly).

Parents' National Educational Union (Incorporated): Murray House, Vandon Street, London, S.W.1; f. 1888 to maintain a high standard of education by means of a liberal curriculum and the use of Charlotte Mason's principles as set forth in her books; Chair. BASIL MARSDEN-SMEDLEY, O.B.E., M.A.; Gen. Sec. Mrs. L. MCEWAN HAYLES; publ. *Parents' Review* (monthly).

Provincial Council for Education, Church in Wales: 8 Hickman Road, Penarth, Glam.; f. 1948; Gen. Sec. Rev. D. G. CHILDS.

University Grants Committee: 38 Belgrave Square, London, S.W.1; f. 1919; to enquire into the financial needs of university education in Great Britain and to advise the Government on the application of any grants made by Parliament towards meeting them; Chair. Sir JOHN WOLFENDEN, C.B.E., M.A.; Sec. E. R. COPLESTON; publs. *Returns from Universities and University Colleges in receipt of Treasury grant* (annually), *University Development* (every five years).

Workers' Educational Association: Temple House, 27 Portman Square, London, W.1; f. 1903 to stimulate public interest in education and to provide opportunities for adults to pursue liberal studies and to encourage them to render effective service to the community; co-operates with the universities and university colleges through its twenty-one districts in joint cttees., for the provision of classes including tutorial classes based on a three-year period of study; it is recognised by the Ministry of Education as a Responsible Body, and the classes which it provides independently rank for grants from public funds; 34,700 mems., 115,000 students; Pres. Prof. ASA BRIGGS, M.A.; Gen. Sec. HARRY NUTT, M.A.; Education Officer Miss MARGARET MARSH, B.A.; publs. *Highway*, works on adult education and *Annual Report*.

ENGINEERING

Association of Public Lighting Engineers: 76 Victoria Street, London, S.W.1; f. 1923, inc. 1928, to promote, encourage, and improve the science of efficient public lighting, and to facilitate the exchange of information and ideas on this subject; Pres. R. PARKER (Aberdeen); Sec. ERIC EVANS; publ. *Public Lighting* (quarterly).

British Institution of Radio Engineers: 9 Bedford Square, London, W.C.1; f. 1925, inc. by Royal Charter 1961, to promote the advancement of the science of radio and electronic engineering and their applications, to facilitate the exchange of information and ideas on these subjects, to conduct examinations in all branches of radio and electronic engineering; 8,500 mems.; Pres. Admiral of the Fleet the EARL MOUNTBATTEN OF BURMA, K.G.; Sec. GRAHAM D. CLIFFORD, F.C.C.S.; publs. *Journal* (monthly), *Year Book*.

Illuminating Engineering Society, The: York House, Westminster Bridge Road, London, S.E.1; f. 1909 to promote the art, science and technology of lighting and to disseminate knowledge relating to lighting and seeing; confers the title of Fellow of the Society (F.I.E.S.) and Diploma member (Dip. M.I.E.S.); Pres. J. S. MCCULLOCH; Sec. G. F. COLE; publs. *Transactions* (quarterly), *Light and Lighting* (monthly).

Institute of Marine Engineers: The Memorial Building, 76 Mark Lane, London, E.C.3; f. 1889 to promote the scientific development of marine engineering in all its branches; 15,500 mems.; Pres. Sir NICHOLAS CAYSER, Bt.; Chair. of Council Commdr. F. M. PASKINS, O.B.E., R.D., R.N.R.; Sec. J. STUART ROBINSON, M.A.; publs. *Transactions* (monthly).

Institution of Chemical Engineers, The: 16 Belgrave Square, London, S.W.1; f. 1922, inc. by Royal Charter to promote the science and practice of chemical engineering, to improve the standards and methods of education therein, and to act as a qualifying body for

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chemical engineers, etc.; approx. 6,000 mems.; Pres. C. E. SPEARING, F.R.I.C., M.I.CHEM.E.; Gen. Sec. J. B. BRENNAN, M.B.E., M.SC., PH.D.; publs. *Transactions* and *The Chemical Engineer* (monthly).

Institution of Civil Engineers: Great George Street, Westminster, London, S.W.1; f. 1818; inc. by Royal Charter in 1828 for the general advancement of mechanical science and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in Nature for the use and convenience of man; 26,270 corporate and non-corporate mems.; Pres. Sir HERBERT (JOHN BAPTISTA) MANZONI, C.B., M.I.C.E.; Sec. A. MCDONALD, B.SC., M.I.C.E.; publs. *Proceedings*, *Géotechnique* (monthly); library: *see* Libraries.

Institution of Electrical Engineers: Savoy Place, London, W.C.2; f. in 1871 and inc. by Royal Charter in 1921 to promote the general advancement of electrical science and engineering and their applications, and to facilitate the exchange of information and ideas on those subjects; 50,820 mems.; Pres. Sir ALBERT MUMFORD, K.B.E., B.SC.(ENG.); Sec. G. F. GAINSBOROUGH, B.SC., PH.D., M.I.E.E.; publs. *Journal*, *Proceedings*; *see* Library.

Institution of Engineering Designers: 38 Portland Place, London, W.1; f. 1945 to promote the general advancement of the science appertaining to engineering design and to forward the practice and standardisation of engineering draughtsmanship; Gen. Sec. W. E. WALTERS, F.I.E.D., F.R.S.A., F.F.C.S.; publ. *The Engineering Designer* (monthly).

Institution of Engineers and Shipbuilders in Scotland: 39 Elmbank Crescent, Glasgow, C.2; f. 1857 to facilitate the exchange of information and ideas amongst its mems., and to promote the advancement of the science and practice of engineering and shipbuilding; 1,600 mems.; library of 10,000 vols.; Pres. Prof. A. S. T. THOMSON, D.SC., PH.D.; Sec. P. W. THOMAS, B.SC.(ENG.); publ. *Transactions*.

Institution of Fire Engineers: 94 Southwark Bridge Road, London, S.E.1; f. 1918, inc. 1924, to promote, encourage, and improve the science of fire engineering and fire technology; 2,700 mems.; Pres. E. R. ASHILL, O.B.E., M.I.FIRE.E.; Gen. Sec. H. L. OATES; publ. *Quarterly*.

Institution of Gas Engineers: 17 Grosvenor Crescent, London, S.W.1; f. 1863, Royal Charter 1929, for the promotion of engineering science and technology as applied to the gas industry in all or any of its branches, and to facilitate the exchange of information and ideas among mems. of the Institution, and otherwise, on the subjects of improved methods of production, etc., in gas undertakings; 3,800 mems.; library of over 10,000 vols.; Pres. A. E. HAFFNER, PH.D., B.SC., M.I.GAS.E., M.I.CHEM.E., F.INST.F., A.R.C.S., D.I.C.; Sec. A. G. HIGGINS, M.SC., F.R.I.C.; publs. *Journal* (monthly), *Communications* (twice a year).

Institution of Heating and Ventilating Engineers: 49 Cadogan Square, London, S.W.1; 1897 for the promotion of the science and practice of heating, ventilating, air-conditioning, drying, domestic hot-water supplies, and all branches of engineering kindred thereto; 4,100 mems.; Pres. J. W. L. BEAVEN, M.I.H.V.E.; Sec. B. A. HODGES, B.A.; publ. *I.H.V.E. Journal* (monthly).

Institution of Highway Engineers: 47 Victoria Street, London, S.W.1; f. 1930 to promote the furtherance, consideration and discussion of all questions affecting the profession of Highway Engineering; 3,300 mems.; Pres. W. R. THOMSON, M.I.C.E., M.I.MUN.E., F.INST.H.E.; Hon. Sec. J. T. COURTNEY HATCHER; publ. *Quarterly Journal*.

Institution of Locomotive Engineers: Locomotive House, Buckingham Gate, London, S.W.1; f. 1911; Pres. (1963-64) S. B. WARDER, M.I.E.E., M.I.MECH.E., M.I.LOCO.E.; Sec. and Editor G. T. HART, B.SC., M.I.MECH.E., M.I.LOCO.E.; publs. *Journal of the Institution of Locomotive Engineers* (six annually).

Institution of Mechanical Engineers: 1 Birdcage Walk, London, S.W.1; f. 1847, inc. by Royal Charter 1930; 56 000 mems.; Pres. R. C. BOND, M.I.MECH.E.; Sec. K. H. PLATT, M.B.E., M.I.MECH.E.; publs. *Proceedings* (from 1847), *Chartered Mechanical Engineer*; library: *see* Libraries.

Institution of Mining Engineers: 3 Grosvenor Crescent, London, S.W.1; f. 1889, inc. by Royal Charter 1915, for the advancement of the science of engineering in relation to coal and iron ore mining, and the promotion of the acquisition of the scientific knowledge necessary for the control and direction of mining operations in relation to stratified deposits; over 4,400 mems.; Pres. (1964-65) G. C. PAYNE; Sec. J. MCDERMID, T.D.; publ. *The Mining Engineer* (monthly).

Institution of Municipal Engineers: 25 Eccleston Square, London, S.W.1; f. 1873, inc. by Royal Charter 1948, to promote the science and practice of engineering and kindred subjects in the interests of local government authorities and the communities they serve; 8,120 mems.; Pres. J. A. KENYON, M.I.C.E., M.I.MUN.E.; Sec. A. BANISTER, O.B.E., B.SC., M.I.C.E.; publ. *Journal* (monthly).

Institution of Production Engineers: 10 Chesterfield Street, London, W.1; f. 1921 to promote the science and practice of production engineering; 13,270 mems.; Pres. HAROLD BURKE; Sec. W. F. S. WOODFORD; publs. *The Production Engineer* (monthly), *The International Journal of Production Research* (quarterly).

Institution of Public Health Engineers: 179/181 Vauxhall Bridge Road, London, S.W.1; f. 1895; 1,350 mems.; Pres. J. D. WALL, B.SC., M.I.C.E., M.CONS.E., F.I.P.H.E., Chair. W. FILLINGHAM BROWN, B.SC.(ENG.), M.I.C.E., M.CONS.E., F.I.P.H.E.; Sec. E. V. BALSOM, M.B.E., A.M.I.MECH.E., F.R.S.H.; publ. *Journal and Proceedings* (quarterly).

Institution of Structural Engineers: 11 Upper Belgrave Street, London, S.W.1; f. 1908, inc. by Royal Charter 1934, to promote the general advancement of the science and art of structural engineering; over 8,500 mems.; Pres. Lt. Col. G. W. KIRKLAND, M.B.E. (Mil.), M.I.STRUCT.E., M.I.C.E.; Sec. Major R. F. MAITLAND, O.B.E.;, publs. *The Structural Engineer* (monthly), *Year Book and List of Members* (annually) and *Technical Reports* (as issued).

Institution of Water Engineers: Parliament Mansions, Abbey Orchard Street, London, S.W.1; f. 1896, inc. 1911, to promote the advancement of water engineering and all matters connected with or relating to water undertakings; approx. 2,000 mems.; Pres. M. T. B. WHITSON, B.SC., M.I.C.E.; Sec. W. O. SKEAT, B.SC., A.M.I.C.E.; publs. *Manual of British Water Engineering Practice*, *Journal*, *Year Book and List of Members*.

Newcomen Society for the Study of the History of Engineering and Technology: Science Museum, South Kensington, London, S.W.7; f. 1920 to encourage and foster study of the history of engineering and technology in all parts of the world; Hon. Sec. K. R. GILBERT, M.A., D.I.C.; Science Museum, London, S.W.7; publ. *Transactions* (annual).

Royal Institution of Naval Architects, The: 10 Upper Belgrave Street, London, S.W.1; f. 1860, inc. 1910 and

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1960 to promote the improvement of ships; 4,711 mems.; Pres. Viscount SIMON, C.M.G.; Sec. L. A. TILTMAN; publ. *Transactions* (quarterly, and in annual volumes).

Society of Consulting Marine Engineers and Ship Surveyors: 4 Lloyd's Avenue, London, E.C.3; f. 1920 to provide a central organisation for consulting engineers, naval architects and ship surveyors, and generally to elevate the status and procure the advancement of the interests of the profession; Pres. ROBERT BEATTIE; Sec. Miss D. E. JACOB; publ. *Quarterly Report.*

Society of Engineers (Inc.): Abbey House, 2-8 Victoria Street, London, S.W.1; f. 1854 to promote the science and practice of engineering, etc.; 2,978 mems.; library of 3,200 vols.; Pres. W. E. HUMPHREY; Sec. I. C. COCKING; publ. *Journal and Transactions.*

South Wales Institute of Engineers: Institute Buildings, Park Place, Cardiff; f. 1857 for the encouragement and advancement of engineering science and practice; 950 mems.; Pres. Prof. JOHN SINCLAIR, M.ENG., PH.D., M.I.MIN.E., Barrister-at-law; Acting Sec. Mrs. E. M. DAVIES; publ. *Proceedings* (thrice yearly).

GEOGRAPHY, GEOLOGY, MINERALOGY

Geographical Association: c/o The Park Branch Library, Duke Street, Sheffield, 2; f. 1893 to further the interests of teachers of geography and of the study of geography generally; 6,177 mems.; library of 10,000 vols.; Pres. (1964) D. L. LINTON, D.SC.; Chair. of Council Prof. G. J. FLEURE, D.SC., F.R.S.; Hon. Sec. Prof. ALICE GARNETT; publ. *Geography* (quarterly).

Geological Society: Burlington House, London, W.1; f. 1807; 2,500 Fellows; Pres. Prof. O. M. B. BULMAN, SC.D., PH.D., A.R.C.S., F.R.S., F.L.S.; Secs. W. B. HARLAND, M.A., P. A. SABINE, PH.D., A.R.C.S.; publs. *Quarterly Journal, Proceedings*; library: *see* Libraries.

Geologists' Association: f. 1858 to foster the progress and diffusion of the science of geology and to encourage research and the development of new methods; about 2,000 mems.; Pres. Prof. J. F. KIRKALDY, D.SC., F.G.S.; Hon. Gen. Sec. F. H. MOORE, PH.D., F.G.S., 278 Fir Tree Road, Epsom Downs, Surrey; publ. *Proceedings* (quarterly).

Hakluyt Society: c/o British Museum, London, W.C.1; f. 1846; 1,520 mems.; Pres. Sir A. BURNS, G.C.M.G.; Hon. Secs. R. A. SKELTON, B.A., F.S.A., Miss E. M. J. CAMPBELL, M.A., F.S.A.; publ. early travel and geographical records.

Institute of British Geographers: c/o Prof. Smailes, Queen Mary College, London, E.1; f. 1933 to hold meetings for field work and for the reading and discussion of papers; to publish reports of the proceedings of the Institute and the results of research presented by its members; and to promote research in geography by such other means as the Institute Council shall determine; 550 mems.; Pres. K. C. EDWARDS; Sec. Prof. A. E. SMAILES; publ. *Transactions* and *Papers.*

London Topographical Society: 9 Rivercourt Road, London, W.6; f. 1898; 300 mems.; Patron: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., K.T., G.M.B.E.; Sec. PHILIP D. WHITTING, G.M.; publ. *The London Topographical Record* (irregular).

Manchester Geographical Society: Geographical Chambers, 16 St. Mary's Parsonage, Manchester, 3; f. 1884 to promote the study of all branches of geographical science; 400 mems.; library of 6,500 vols.; Pres. T. N. L. BROWN, M.A., F.R.G.S., F.R.A.I.; Sec. A. MURCH; publ. *Journal* (irregularly).

Mineralogical Society of Great Britain and Ireland: 41 Queen's Gate, London, S.W.7; f. 1876; 775 mems.; Pres. Prof. L. R. WAGER, M.A., SC.D., B.SC., F.R.S.; Hon. Gen. Sec. Dr. J. R. BUTLER, M.A., PH.D.; publs. *Mineralogical Magazine, Mineralogical Abstracts, Clay Minerals Bulletin* and monographs on clay minerals.

Palaeontographical Society: c/o Geological Society, Burlington House, London, W.1; f. 1847 for the illustration and description of British fossils; Pres. Prof. L. DUDLEY STAMP, C.B.E.; Sec. J. D. D. SMITH, B.SC.; publ. *Annual Volume* (monographs).

Royal Geographical Society: Kensington Gore, London, S.W.7; f. 1830; 7,100 mems.; Pres. Sir RAYMOND PRIESTLEY, M.C.; Dir. and Sec. L. P. KIRWAN, C.M.G., T.D.; publ. *Geographical Journal*; *see* Library.

Royal Scottish Geographical Society: 10 Randolph Crescent, Edinburgh; f. 1884 in order to extend geographical education in Scotland and to maintain contact with Scotsmen abroad and with others interested in the subject; large geographical library; over 3,000 mems.; Pres. The Rt. Hon. The Earl of WEMYSS AND MARCH, LL.D.; Sec. DONALD G. MOIR, F.R.S.G.S.; Hon. Librarian DOUGLAS GUTHRIE, M.D., F.R.C.S.E., F.R.C.P.E., F.R.S.E., F.R.S.G.S.; publ. *The Scottish Geographical Magazine* (thrice yearly).

Yorkshire Geological Society: Department of Geology, The University, Leeds 2; f. 1837; 720 mems.; library of 5,000 vols.; Pres. G. S. GOWING, M.A.; Sec. G. A. L. JOHNSON, PH.D.; Dept. of Geology, University Science Laboratories, South Road, Durham City; publ. *Proceedings* (twice a year).

HISTORY

British Records Association: The Charterhouse, London, E.C.1; f. 1932 for the preservation and use of records (archives), and for the co-ordination of the work of institutions and individuals interested in the subject; 1,300 mems.; Pres. Rt. Hon. Lord DENNING; Hon. Sec. B. C. REDWOOD; publ. *Archives* (twice yearly).

Canterbury and York Society: f. 1904; 216 mems.; Pres. The Archbishops of CANTERBURY and YORK; Sec. A. C. WOOD, Green End, Roydon, Harlow, Essex; Gen. Editor Miss R. HILL; publ. *Bishops' Registers.*

Dugdale Society for the Publication of Warwickshire Records: Shakespeare's Birthplace, Stratford-upon-Avon; f. 1920; 200 mems.; Pres. Sir WILLIAM STRATFORD DUGDALE, Bt., D.L., J.P., F.S.A.; Chair. B. A. FETHERSTON-DILKE, M.B.E., J.P., M.A., M.B.; Hon. Sec. and Gen. Editor LEVI FOX, M.A., F.S.A., F.R.HIST.S., F.R.S.L.; Hon. Treas. R. T. JONES.

English Place-Name Society: University College, London, W.C.1; f. 1923 for the publication of a yearly volume on the place-names of a county, or part of a county; about 650 mems.; Pres. Sir FRANK STENTON, M.A., D.LITT., LITT.D., F.B.A.; Dir. Prof. A. H. SMITH, O.B.E., D.LITT., FIL.DR.

Friends Historical Society: Friends House, Euston Road, London, N.W.1; f. 1903; 390 mems.; Sec. EDWARD H. MILLIGAN; Jt. Editors RUSSELL S. MORTIMER, ALFRED W. BRAITHWAITE; publ. *Journal of the Friends Historical Society* (twice a year).

Harleian Society: 79 Duke Street, London, W.1; f. 1869, inc. 1902, for the publication of unedited MSS. relating to genealogy, family history and heraldry; 260 subscribers; Chair. Sir ANTHONY WAGNER, K.C.V.O., D.LITT., F.S.A., Garter King of Arms; Hon. Sec. and Treas. N. H. MACMICHAEL, F.S.A.

Historical Association: 59A Kennington Park Road, London, S.E.11; f. 1906; 8,500 mems.; 9,000 vols. in library; aims to support the claims of history as an essential element in education and culture, to promote improved teaching methods and to develop public interest;

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affiliated socs. in Australia, Canada, S. and E. Africa; Pres. G. R. POTTER, M.A., PH.D., F.S.A.; Hon. Sec. H. A. T. SIMMONDS, O.B.E., M.A.; publs. *History* (journal), *Annual Bulletin of Historical Literature, Helps for Students of History, Aids for Teachers* and other *Pamphlet* series.

Historical Society of the Church in Wales: 8 Hickman Road, Penarth, Glam.; f. 1946 to promote the study of the history of the Church in Wales and to make known its work, by the encouragement of research and the publication of texts and studies; Pres. The Lord Archbishop of WALES; Hon. Sec. Rev. D. G. CHILDS; publ. *Journal*.

Huguenot Society of London: c/o Barclays Bank, 1 Pall Mall East, London, S.W.1; f. 1885; 10 Hon. Fellows, 297 Ordinary Fellows, 11 Junior Fellows, 91 subscribing libraries, 15 societies in correspondence; Pres. E. JEFFRY LEFROY, M.A.; Hon. Sec. Miss IRENE SCOULOUDI, M.SC.(ECON.), F.S.A., F.R.HIST.S.; publs. *Proceedings* (19 vols. issued), *Quarto Series* (47 vols. issued).

Jewish Historical Society of England: 33 Seymour Place, London, W.1; f. 1893; 650 mems.; Hon. Sec. Rev. ARTHUR BARNETT, B.A.; publs. *Transactions, Miscellanies*, etc.

Navy Records Society: c/o Royal Naval College, Greenwich, London, S.E.10; f. 1893; Pres. The Master of the Rolls; Hon. Sec. Prof. C. CHRISTOPHER LLOYD, F.R.HIST.S.

Presbyterian Historical Society of England: 86 Tavistock Place, London, W.C.1; f. 1913; 300 mems.; Sec. J. T. DARLING, I.S.O.; publ. *Journal* (annually).

Royal Historical Society: 96 Cheyne Walk, London, S.W.10; f. 1868; Pres. Prof. Sir GORONWY EDWARDS, M.A., D.LITT., LITT.D., F.B.A.; Hon. Sec. ALUN DAVIES, M.A.; publs. *Transactions*, Camden Series, Guides and Handbooks Series; library: *see* Libraries.

Scottish History Society: 2 South Learmonth Gardens, Edinburgh; f. 1886 for the printing of unpublished documents illustrating the history of Scotland; 400 mems.; Pres. Sir DAVID LINDSAY KEIR, LL.D.; Hon. Sec. E. W. M. BALFOUR-MELVILLE, D.LITT.

Society for Army Historical Research: War Office Library, London, S.W.1; f. 1921; over 1,000 mems.; Pres. Field Marshal Sir CLAUDE J. E. AUCHINLECK, G.C.B., G.C.I.E., C.S.I., D.S.O., O.B.E., LL.D.; Sec. Major N. P. DAWNAY, M.A.; publ. *Journal* (quarterly).

Society for Nautical Research: National Maritime Museum Greenwich, London, S.E.10; f. 1910; over 1,000 mems. Pres. Prof. M. A. LEWIS, F.S.A.; Chair. ALAN VILLIERS D.S.C.; Hon. Sec. Lt.-Cmdr. G. P. B. NAISH, F.S.A., R.N.R.; publ. *The Mariners' Mirror* (quarterly).

Society of Genealogists: 37 Harrington Gardens, London, S.W.7; f. 1911; about 2,000 mems.; Pres. Admiral of the Fleet The Earl MOUNTBATTEN OF BURMA, K.G., P.C., G.C.B., G.C.S.I., G.C.I.E., G.C.V.O., D.S.O.; Sec. Mrs. C. M. MACKAY; publ. *The Genealogists' Magazine* (quarterly); library: *see* Libraries.

Wesley Historical Society: f. 1893 to promote the study of the history and literature of Methodism; 800 mems. in U.K. (including N. Ireland); Pres. Rev. Dr. MALDWYN L. EDWARDS; Gen. Sec. Rev. THOMAS SHAW, 94 Albany Road, Redruth, Cornwall; publ. *Proceedings* (quarterly).

INTERNATIONAL CULTURAL RELATIONS

Austrian Institute: 28 Rutland Gate, London, S.W.7; f. 1956; agency of the Austrian Ministry of Education; Dir. Prof. Dr. H. ZELZER.

Britain in Europe: Europe House, 43 Parliament Street, London, S.W.1; to help industrial and commercial companies, banks and trade unions to keep abreast of developments in the field of European economic integration; Pres. Rt. Hon. Lord GLADWYN, G.C.M.G., G.C.V.O., C.B.; Vice-Pres. LAWRENCE ROBSON, F.C.A., F.C.W.A.; Gen. Sec. VAL SCHUR; publs. *Quarterly Review, Industrial and Commercial Integration, Europe House Papers*.

British Council: 65 Davies Street, London, W.1; estab. in November 1934, and incorp. by Royal Charter in 1940; its principal purposes are the promotion of a wider knowledge of the United Kingdom and the English language abroad and the development of closer cultural relations between the United Kingdom and other countries. The Council derives most of its funds from votes of the Foreign Office, Commonwealth Relations Office, Colonial Office and Department of Technical Co-operation. For the year ending March 31st, 1964, the total of the sums so voted was £8,634,000.

The principal officers of the Council are: Pres. Sir RONALD ADAM, Bt., G.C.B., D.S.O., O.B.E.; Vice-Pres. Sir REGINALD LEEPER, G.B.E., K.C.M.G.; Chair. Lord BRIDGES, P.C., G.C.B., G.C.V.O., M.C., F.R.S.; Vice-Chair. The Countess of ALBEMARLE, D.B.E., D.LITT., D.C.L., M. EDELMAN, M.P., Sir CHARLES MOTT-RADCLYFFE, M.P.; Dir.-Gen. Sir PAUL SINKER, K.C.M.G., C.B.

Under the Charter the powers of the Council are vested in the Executive Committee of 30 mems., of whom 9 are nominated by the following: The Lord President of the Council, the Secretaries of State for Foreign Affairs, the Home Department, Commonwealth Relations, Scotland and the Colonies, the Chancellor of the Exchequer, the President of the Board of Trade, and the Minister of Education. There are the following expert advisory committees and panels (the names of Chairmen holding office as at July 1st, 1962 are given in brackets): Books Committee (Sir CHARLES SNOW), Drama Committee (NORMAN MARSHALL), English Studies Committee (Prof. B. PATTISON) (with Literature and Linguistic Panels), Fine Arts Committee (Sir PHILIP HENDRY), Law Committee (Lord EVERSHED), Medical Panel (Dr. E. A. CARMICHAEL), Music Committee (The Earl of HAREWOOD), Science Committee (Sir WILLIS JACKSON) (with Agriculture, Science and Engineering and Veterinary Panels), Universities Committee (Sir ROBERT AITKEN). There are advisory panels for Scotland (Vacant) and Wales (Lady MEGAN LLOYD GEORGE, M.P.).

There are offices of the Council in the following Commonwealth countries: Australia, Canada, Ceylon, Cyprus, Ghana, India, Jamaica, Kenya, Malaya, Pakistan, New Zealand, Nigeria, Sierra Leone, Tanganyika, Trinidad, Uganda, Aden, British Guiana, British Honduras, British N. Borneo, British West Indies, Hong Kong, Fiji, Malta, Mauritius, Northern Rhodesia, Nyasaland, Sarawak, Singapore; and in the following foreign countries: Argentina, Austria, Belgium, Brazil, Burma, Chile, Colombia, Congo Republic (Léopoldville), Denmark, Ethiopia, Finland, France, Germany, Greece, Indonesia, Iran, Iraq, Israel, Italy, Japan, Jordan, Lebanon, Libya, Mexico, Morocco, Nepal, Netherlands, Norway, Persian Gulf, Peru, Poland, Portugal, Somalia, South Africa, Spain, Sudan, Sweden, Switzerland, Thailand, Turkey, U.A.R., Uruguay, Venezuela, Vietnam and Yugoslavia.

In most of these countries, except in Latin America, the Council maintains British Institutes, or similar centres. In Latin America, the Council co-operates with and assists a large number of organisations which exist to promote English studies and educational and cultural exchanges with Britain.

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The Council's activities overseas include the promotion of English language teaching and British studies; the maintenance of libraries of British books and periodicals; art exhibitions; concert and theatre tours; documentary film shows; and the exchange of knowledge, material and equipment between scientists in the United Kingdom and other countries.

The Council provides many services for overseas students studying in the United Kingdom. It arranges programmes of studies for professional people and groups from overseas and its organisation for receiving such visitors is often used by United Kingdom Government Departments, overseas governments, universities and professional societies. The Council also organises short courses and summer schools in the United Kingdom on a variety of educational and other subjects.

The Council publishes the following periodicals: *British Medical Bulletin, British Medical Book List* and *British Book News.*

It also publishes a number of booklets on cultural and educational subjects, including the *Writers and their Works* series, *Higher Education in the United Kingdom* and *How to Live in Britain.*

British Society for International Understanding: Benjamin Franklin House, 36 Craven Street, London, W.C.2; f. 1939; to promote understanding of other peoples and international affairs on the basis of accurate information; Dir. and Editor JOHN EPPSTEIN, O.B.E.; publ. *British Survey* (monthly—two series).

China Society: 31B Torrington Square, London, W.C.1; f. 1906 to encourage the study of the Chinese language, literature, history, folk-lore, art, etc.; *c.* 200 mems.; Pres. Sir ALEXANDER CADOGAN; Joint Hon. Secs. Prof. S. H. HANSFORD, C. W. FEI; Sec. Lt.-Col. J. D. GAGE-BROWN.

Commonwealth Institute: Kensington High Street, London, W.8; f. 1887 to assist the development of Empire commerce by technical investigation and advice, and to promote public knowledge of the Commonwealth; in 1949 its scientific and technical functions were transferred to other departments; the Institute retains its educational functions and carries them out by means of permanent, temporary and travelling exhibitions, films, visual aids, publications, conferences and lectures, etc.; Dir. Sir KENNETH BRADLEY, C.M.G.; Deputy Dir. Mrs. MARY BURKE, B.A.

East India Association: 193 Temple Chambers, Temple Avenue, London, E.C.4; f. 1866; 700 mems.; Pres. Rt. Hon. Lord SPENS, K.B.E.; Hon. Sec. Sir FRANCIS LOW; publ. *Proceedings* (published in *Asian Review*).

Egyptian Education Bureau: 4 Chesterfield Gardens, Park Lane, London, W.1; f. 1906 as a centre of Egyptian cultural affairs and a cultural link between Great Britain and Egypt; Dir. Dr. ABDEL HAMID EL BATRIK; publ. *Bulletin* (quarterly).

English-Speaking Union of the Commonwealth: Dartmouth House, 37 Charles Street, Berkeley Square, London, W.1; f. 1918 to foster relations between English-speaking peoples; 45 branches in Great Britain, 6 in New Zealand, 5 in Australia, 13 in Canada, 6 in India, 1 each in Bermuda, Malta and Pakistan; works closely with E.S.U. of the U.S.; educational and social activities (including student and teacher exchange), meetings, lectures; library of approx. 5,000 vols.; Pres. H.R.H. The Prince PHILIP Duke of EDINBURGH, K.G., K.T., G.B.E.; Chair. Lord BAILLIEU, K.B.E., C.M.G.; Dir.-Gen. Air Chief Marshal Sir FRANCIS FOGARTY, G.B.E., K.C.B., D.F.C., A.F.C.; Sec. C. COLBECK, F.C.A.

Fédération Britannique des Comités de l'Alliance Française: 3 Queensberry Place, S. Kensington, London, S.W.7.

German Institute: 51 Princes Gate, London, S.W.7; Dir. Baron DONALD VON HIRSCH, PH.D.; Dir. of Studies Dr. phil. DOROTHEA STRELLER; Librarian MARGIT ROSTOCK.

Hispanic and Luso-Brazilian Councils: Canning House, 2 Belgrave Square, S.W.1; f. 1943; Librarian and Information Officer G. H. GREEN, B.A.; free library and information bureau on Portugal, Spain and Latin America, with a stock of over 27,000 volumes and over 200 commercial periodicals; publ. *Canning House Library Bulletin, British Bulletin of Publications on Latin America, the West Indies, Portugal and Spain* (twice yearly), the Educ. Dept. publishes *Diamante*; classes are held in Spanish and Portuguese and a close liaison is maintained with over 600 schools in Great Britain; lectures, films, recitals, etc., on Latin America, Portugal and Spain; Pres. The Rt. Hon. Viscount DAVIDSON, G.C.V.O., C.H., C.B.; Acting Dir. J. C. HUNT.

Institut Français du Royaume-Uni: Queensberry Place, London, S.W.7; f. 1913; run in conjunction with the Universities of Paris and Lille; lectures, concerts, films, exhibitions, evening classes; lending library of 60,000 vols.; Dir. F. M. GUYARD.

Institute of Spain: 102 Eaton Square, London, S.W.1; f. 1946; courses on Spanish language and culture; library of 14,000 vols.; Dir. Prof. CARLOS CLAVERÍA.

Islamic Cultural Centre: Regent's Lodge, 146 Park Road, London, N.W.8; f. 1944 to spread Islamic culture in Great Britain; library of 5,000 vols., mostly Arabic; Dir. Dr. ALI ABDEL KADER; publ. *The Islamic Quarterly.*

Italian Institute: 39 Belgrave Square, London, S.W.1; organises lectures, concerts, film shows, exhibitions and discussion groups; library of 20,000 vols., and about 140 Italian newspapers and periodicals; provides Italian lessons for advanced students; Dir. FILIPPO DONINI.

Maison Française d'Oxford: Westbury Lodge, Norham Road, Oxford; f. 1946; attached both to the University of Oxford and the University of Paris (Sorbonne); cultural and social centre; library of 18,500 vols., reference catalogue of 60,000 entries; organises exchanges between students and between teachers; Dir. M. AUGUSTE ANGLES.

Queen Elizabeth House: 20/21 St. Giles, Oxford; f. 1954 to provide a centre for the study of political, economic, legal, administrative, social and cultural matters affecting the British Commonwealth and to link individuals and institutions concerned with these affairs; Pres. Viscount CHANDOS, D.S.O., M.C.; Warden L. C. WILCHER, C.B.E., B.LITT., M.A.

Royal African Society: 18 Northumberland Avenue, London, W.C.2; f. 1901; 1,000 mems.; Pres. Sir CHARLES PONSONBY, Bt., T.D., D.L.; Sec. Miss H. HEATHER; publs. *Journal* (quarterly), *African Affairs.*

Royal Asiatic Society of Great Britain and Ireland: 56 Queen Anne Street, London, W.1; f. 1823 for the study of the history, sociology, institutions, customs, languages and art of Asia; approx. 800 mems.; 250 subscribing libraries; branches in various Eastern cities; Pres. and Dir. Sir RICHARD WINSTEDT, K.B.E., C.M.G., F.B.A., D.LITT.; Sec. Mrs. M. DAVIS, M.B.E.; publs. *Journal* and monographs on Oriental subjects; library: *see* Libraries.

Royal Central Asian Society: 12 Orange Street, London, W.C.2; f. 1901; 2,000 mems. with past or present knowledge of Central Asia, Middle and Far East; library of about 5,000 vols.; Pres. Marshal of the R.A.F.

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Sir WILLIAM DICKSON, G.C.B., K.B.E., D.S.O., A.F.C.; Chair. General Sir RICHARD GALE, G.C.B., K.B.E., D.S.O., M.C.; Sec. Miss M. K. MARSH; publ. *Journal* (quarterly).

Royal Commonwealth Society: 18 Northumberland Avenue, London, W.C.2; f. 1868; 31,500 mems.; Chair. of Council The Rt. Hon. Viscount BOYD of MERTON, C.H.; Sec.-Gen. D. K. DANIELS, C.B.E.; publ. *Commonwealth Journal* (bi-monthly).

Royal India, Pakistan and Ceylon Society: 191 Temple Chambers, Temple Avenue, London, E.C.4; f. 1910; 450 mems.; Pres. Rt. Hon. The Earl of INCHCAPE; Chair. Rt. Hon. R. A. BUTLER, C.H., M.P.; Hon. Sec. F. RICHTER, C.B.E., M.A.; publs. *Art and Letters* (twice yearly), and an annual volume.

Society for Cultural Relations with the U.S.S.R.: 118 Tottenham Court Road, London, W.1; f. 1924; 1,300 mems.; ref. and lending library of 20,000 Russian and English books, periodicals, photographs, etc.; Chair. LIPMANN KESSEL, M.B.E., M.C., F.R.C.S.; Sec. H. C. CREIGHTON, M.A.; publs. *Anglo-Soviet Journal* (quarterly), quarterly special bulletins, and pamphlets and surveys.

LAW

British Academy of Forensic Science: 28 Portland Place, London, W.1; f. 1959 to advance forensic science in all its aspects to the benefit of justice and the law; annual meetings; over 500 mems.; Pres. L. HARRISON MATHEWS, SC.D., F.R.S.; publ. *Medicine, Science and the Law* (quarterly).

British Institute of International and Comparative Law: 1 Temple Gardens, London, E.C.4; f. 1960 by the amalgamation of the Grotius Society and the Society of Comparative Legislation and International Law; plans a survey of Colonial law; provides information on foreign company law, foreign laws on restrictive trade practises and the protection of industrial property, patents and copyright; Chair. Lord DENNING; Chair. for public international law section Lord SHAWCROSS; comparative law, including Commonwealth, Colonial, and foreign law Mr. Justice DIPLOCK; private international law Mr. Justice KARMINSKI; Dir. N. S. MARSH; publ (in assoc.) *British Digest of International Law and Practice*.

Council of Legal Education: 7 Stone Buildings, Lincoln's Inn, London, W.C.2; constituted in 1852 for the purpose of superintending the education and examination of students preparing for call to the Bar at the four Inns of Court; the Council is a committee of the four Inns entrusted with educational duties; teaching staff (approx.) 50 barristers; Chair. The Hon. HENRY WYNN-PARRY; Dir. Sir FRED. PRITCHARD, M.B.E., LL.D.; Sec. and Deputy Dir. T. HARVATT, C.M.G.; publ. *Calendar* (annually in Sept.).

General Council of the Bar: Carpmael Building, Temple, London, E.C.4; f. 1894; Chair. GEOFFREY LAWRENCE, Q.C., Sec. W. W. BOULTON, C.B.E., T.D.

Law Society: Law Society's Hall, Chancery Lane, London, W.C.2; f. 1825; 17,948 mems.; Pres. HENRY BRAILSFORD LAWSON, M.C., B.A., LL.B.; Sec. Sir THOMAS LUND, C.B.E.; publ. *Gazette* (monthly); library: *see* Libraries.

Royal Faculty of Procurators in Glasgow, The: 34 West George Street, Glasgow, C.2; inc. long prior to 1668, and by Royal Charter 1796; a legal society; 469 mems.; library of 42,837 vols.; Dean ALEXANDER RUSSELL MCFADYEN; Clerk, Treasurer and Fiscal A. F. FERGUSON, T.D., B.L.; Librarian G. C. A. TERRY.

Selden Society: c/o Institute of Advanced Legal Studies, 25 Russell Square, London, W.C.1; f. 1887; 1,100 mems.; Pres. Rt. Hon. Lord Justice UPJOHN, C.B.E.; Hon. Treas. RUDYARD H. RUSSELL; Literary Dir. Prof. T. F. T. PLUCKNETT, F.B.A.; Sec. K. HOWARD DRAKE; publ. 79 vols. on sources of English legal history.

Society of Public Teachers of Law: c/o Faculty of Laws, University College, Gower Street, London, W.C.1; Pres. Prof. A. H. CAMPBELL; Hon. Sec. Prof. E. R. HARDY IVAMY; publ. *Journal* (twice yearly).

Stair Society: 2 St. Giles' Street, Edinburgh 1; f. 1934 to encourage the study and advance the knowledge of the history of Scots Law; 554 mems.; Pres. Lord CLYDE, LL.D.; Chair. of Council HECTOR MCKECHNIE, Q.C., LL.D.; Sec. for U.S.A. JOHN H. TUCKER, Jnr., LL.D.; Sec. G. R. THOMSON, T.D., PH.D.

LITERATURE, BIBLIOGRAPHY, PHILOLOGY

Aslib (incorporating the Association of Special Libraries and Information Bureaux and the British Society for International Bibliography): 3 Belgrave Square, London, S.W.1; f. 1924; an association of industrial and commercial firms, Government departments, research associations and institutions, universities and learned societies providing an intelligence service on all subjects at research level for mems., the services of consultants in library management and documentary reproduction services; maintaining registers of scientific translations and specialist translators and indexers; holding an annual conference and meetings and publishing various papers, manuals, and periodicals; membership of 2,600 firms, universities, Government departments, research establishments, learned societies, etc., grant-aid by H.M. Department of Scientific and Industrial Research; Pres. Lord SHACKLETON of BURLEY (from June 1963); Dir. LESLIE WILSON, M.A.; publs. *Index to Theses accepted for Higher Degrees in the Universities of Great Britain and Ireland* (annually), *The Journal of Documentation* (quarterly), *Aslib Proceedings incorporating Aslib Information* (monthly), *Aslib Book List* (monthly); library: *see* Libraries.

Bibliographical Society: British Academy, Burlington Gardens, London, W.1; f. 1892; 880 mems.; Pres. S. NOWELL SMITH; Hon. Secs. Sir F. FRANCIS, K.C.B. and R. J. ROBERTS; publs. *The Library* (quarterly), various books on bibliographical subjects.

Brontë Society: The Brontë Parsonage Museum, Haworth, near Keighley, Yorks.; f. 1893, inc. 1902, to collect and act as guardian of Brontë letters, MSS., and personal belongings which are housed in the Brontë Parsonage Museum, former home of the Brontës and now in the care of the Society; 1,000 mems.; Pres. DONALD HOPEWELL, M.A., LL.B.; Chair. of Council Sir LINTON ANDREWS, LL.D., F.J.I.; Hon. Sec. W. T. OLIVER, c/o *The Yorkshire Post*, Leeds; publ. *Brontë Society Transactions* (annual).

Cambridge Bibliographical Society: University Library, Cambridge; f. 1949; 500 mems.; Pres. Sir GEOFFREY KEYNES; Hon. Sec. J. M. MORRIS; publs. *Transactions* (annual), *Monographs* (irregular).

Classical Association: c/o Prof. B. R. REES, M.A., PH.D. (University College, Cardiff), T. W. MELLUISH, M.A. (Joint Hon. Secs.); f. 1903; 3,500 mems.; Pres. E. R. DODDS, M.A., D.LITT., F.B.A.; Hon. Treas. Prof. L. A. MORITZ, M.A., D.PHIL.; 29 brs.; publs. *Classical Review* (quarterly), *Classical Quarterly*, *Greece and Rome* (twice a year), *Proceedings* (annual).

Dickens Fellowship: 48 Doughty Street, London, W.C.1; f. 1902 to knit together in a common bond of friendship lovers of Charles Dickens, and to assist in the preservation and purchase of buildings and objects associated with Dickens or mentioned in his works; approx. 10,000 mems.; Pres. Sir EVELYN WRENCH, K.C.M.G., LL.D. (1961-62); Hon. Sec. JOHN GREAVES; Hon. Editor LESLIE C. STAPLES; publ. *The Dickensian* (four-monthly).

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Early English Text Society: 40 Walton Crescent, Oxford; f. 1864; approx. 550 mems.; Hon. Dir. Prof. NORMAN DAVIS, M.B.E.; Hon. Sec. R. W. BURCHFIELD, M.A.

Edinburgh Bibliographical Society: c/o National Library of Scotland, George IV Bridge, Edinburgh, 1; f. 1890 (the oldest bibliographical society in Great Britain) for discussion and elucidation of questions connected with books, printed or manuscript, especially Scottish, the promotion and encouragement of bibliographical studies, the exhibition of rare or remarkable books, and the printing of bibliographical works; approx. 150 mems.; Hon. Sec. J. R. SEATON, M.A.; Hon. Treas. J. S. RITCHIE, M.A.; publ. *Transactions*.

English Association: 8 Cromwell Place, London, S.W.7; f. 1906 to promote the knowledge and appreciation of the English language and of English literature and to uphold the standards of written and spoken English; 3,000 mems.; Pres. Sir MAURICE BOWRA, D.LITT., F.B.A.; Sec. Mrs. E. M. FIELDING; Org. Officer E. WYNNE HICKIE; publs. *English* (three times yearly), *Essays and Studies, The Year's Work in English Studies*.

Francis Bacon Society Inc., The: Reg. Office: Canonbury Tower, Islington, London, N.1; f. 1886; Chair. NOEL FERMOR; publ. *Baconiana* (irregularly).

Friends of the National Libraries: c/o The British Museum, London, W.C.1; f. 1931 to promote the acquisition of printed books and MSS. of historical, literary or archæological significance for libraries of national importance; Chair. Lord KENYON, D.L., J.P., LL.D.; Hon. Sec. T. S. BLAKENEY; publ. *Annual Report*.

Institute of Linguists: 3 Craven Hill, London, W.2; f. 1910 to encourage the study of foreign languages for practical ends and to unite professional linguists in a learned association; Pres. Lady THRELFORD; Sec. G. HUMPHREY SMITH, O.B.E., B.A.; publ. *The Incorporated Linguist*.

Johnson Society of London: f. 1928 to study the life and works of Dr. Johnson and the period in which he lived. Pres. Very Rev. W. R. MATTHEWS, C.H., K.C.V.O., D.LIT.; D.D.; Sec. A. G. DOWDESWELL, 92 St .Paul's Road, Canonbury, London, N.1; publ. *The New Rambler*, (twice yearly).

Kipling Society: 11 Newgate Street, London, E.C.1; f. 1927; 800 mems.; Pres. Lt.-Gen. Sir FREDERICK BROWNING, G.C.V.O., K.B.E., C.B., D.S.O.; Hon. Sec. Lt.-Col. A. E. BAGWELL PUREFOY; publ. *The Kipling Journal* (quarterly).

Library Association: Chaucer House, Malet Place, London, W.C.1; f. 1877; 15,000 mems.; Sec. H. D. BARRY, D.P.A.; publs. include *Library Association Record, British Technology Index* (monthly), *British Humanities Index, Library Science Abstracts* (quarterlies), *Year Book, Students' Handbook* (annuals); *see* Library.

Malone Society: f. 1906 for the study of early English drama; Hon. Sec. Miss K. M. LEA, Lady Margaret Hall, Oxford.

Modern Humanities Research Association: f. at Cambridge in 1918 with the object of encouraging advanced studies in modern and medieval languages and literatures; approx. 1,000 mems.; Hon. Treas. Dr. R. A. WISBEY, Downing College, Cambridge; Hon. Sec. J. LAIDLAW, Trinity Hall, Cambridge; publs. *Modern Language Review* (quarterly), *Annual Bibliography of English Language and Literature, The Year's Work in Modern Language Studies, Annual Bulletin*.

Modern Language Association: 2 Manchester Square, London, W.1; f. 1893 to assist teachers and students of modern languages, and to secure due recognition for modern languages as instruments of general educational and cultural value; 2,000 mems.; Hon. Sec. W. L. PRESSWOOD, B.A., PH.D.; publ. *Modern Languages* (quarterly).

National Book League: 7 Albemarle Street, London, W.1; a non-profit-making organisation; f. 1944; originally founded in 1925 as The National Book Council to extend the use and enjoyment of books, which is still its aim; provides book lists, Readers' Guides and book information services; organises meetings, mainly at its London headquarters, and exhibitions all over the country; over 10,000 mems.; library of over 5,000 books about books; special collections: James Joyce, Arts Council Poetry Library; Pres. H.R.H. The Duke of EDINBURGH, K.G.; Dir. and Sec. J. E. MORPURGO; publ. *Books*.

Philological Society: University College, Gower Street, London, W.C.1; f. 1842, inc. 1879, to investigate and promote the study and knowledge of the structure, affinities, and history of languages; 517 mems.; Pres. Prof. W. C. SCOTT, B.A., B.SC.; Secs. R. H. ROBINS, M.A. (School of Oriental and African Studies, University of London, W.C.1), Prof. D. M. JONES, M.A.; publ. *Transactions* (annual).

Phonetic Alphabet Association: 86 Dalmain Road, London, S.E.23; f. 1955 to further the cause of a new alphabet; Hon. Sec. BARBARA SMOKER; publ. *Newsletter*.

Poetry Society: 21 Earls Court Square, London, S.W.5; f. 1909 to promote the study and appreciation of poetry; 3,520 mems.; 10,000 vols. in library; Pres. Sir COMPTON MACKENZIE; Chair. of Gen. Council WILLIAM KEAN SEYMOUR; Hon. Treas. ROBERT ARMSTRONG; Gen. Sec. Mrs. SYDNEY MOULE; publs. *The Poetry Review* and *Voice of Youth* (quarterly).

P.E.N. (*Poets, Playwrights, Editors, Essayists, Novelists*): 62-63 Glebe Place, Chelsea, London, S.W.3; f. 1921 by Mrs. C. A. Dawson Scott; international assn. of writers; over 60 centres throughout the world; approx. 7,500 mems.; Int. Pres. Dr. VICTOR E. VAN VRIESLAND (Holland); Sec. DAVID CARVER; publs. *P.E.N. News, International P.E.N. Bulletin of Selected Books* (the latter issued with the assistance of UNESCO), Newsletters.

P.E.N. Fund for Exiled Writers: 62 Glebe Place, London, S.W.3; maintained by allocations of royalties and gifts from fellow-writers, exists to help writers in exile and obtain translation and publication of their work.

Royal Society of Literature of the United Kingdom: 1 Hyde Park Gardens, London, W.2; f. 1823; lectures, discussions and poetry readings; 600 fellows and mems.; Pres. Rt. Hon. R. A. BUTLER, C.H., M.P.; Chair. Lord BIRKENHEAD; Sec. Mrs. J. M. PATTERSON; publs. *Transactions, Report*, Special Editions.

Shaw Society: 86 Dalmain Road, London, S.E.23; f. 1941 to promote a wider and clearer understanding of Bernard Shaw's life and work; Pres. ELLEN POLLOCK; Hon. Gen. Sec. BARBARA SMOKER; publ. *The Shavian*.

Society for the Promotion of Hellenic Studies: 31-34 Gordon Square, London, W.C.1; f. 1879; 2,000 mems.; Pres. Prof. A. ANDREWES, F.B.A.; Hon. Sec. Prof. R. P. WINNINGTON-INGRAM, F.B.A.; publ. *Journal of Hellenic Studies*; library: *see* Libraries.

Society for the Promotion of Roman Studies: 31-34 Gordon Square, London, W.C.1; f. 1910; 1,500 mems.; Pres. Prof. F. W. WALBANK, F.B.A.; publ. *Journal of Roman Studies*; library: *see* Libraries.

Society for the Study of Medieval Languages and Literature: 49 Broad Street, Oxford; f. 1932; Pres. Dr. R. W. HUNT; Sec. R. C. PERMAN, St. Peter's College, Oxford; publs. *Medium Ævum*, monographs.

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Society of Authors: 84 Drayton Gardens, London, S.W.10; f. 1884 by Sir Walter Besant, to protect the rights and interests of authors; nearly 4,000 mems.; Pres. JOHN MASEFIELD, O.M.; Sec.-Gen. D. KILHAM ROBERTS, O.B.E., M.A.; Sec. M. E. BARBER, M.A.; publ. *Author* (quarterly).

Standing Conference of National and University Libraries (SCONUL): f. 1950 to promote the work of the national and university libraries; 35 libraries are mems.; Chair. E. ANSELL, M.A.; Hon. Sec. K. W. HUMPHREYS, B.LITT., M.A., The Library, The University, Edgbaston, Birmingham 15.

MATHEMATICS, ASTRONOMY, METEOROLOGY

British Interplanetary Society: 12 Bessborough Gardens, London, S.W.1; f. 1933 for the development of interplanetary travel by the study of the sciences of rocket engineering, chemistry, astronomy, electronics, physics and allied subjects, and the dissemination of knowledge thereon; inc. 1945; Mem. International Astronautical Federation; branches in U.K., U.S.A. and Australia; 800 Fellows, 2,500 mems.; Chair. Dr. W. R. MAXWELL, B.SC.; Sec. L. J. CARTER, A.C.I.S.; publs. *Journal* (bi-monthly), *Spaceflight* (bi-monthly).

London Mathematical Society: Burlington House, London, W.1; f. 1865 for the promotion and extension of mathematical knowledge; approx. 650 mems.; Pres. Dr. MARY I. CARTWRIGHT, F.R.S.; Hon. Secs. S. J. TAYLOR, PH.D., J. A. TODD, PH.D., F.R.S.; Treas. Sir EDWARD COLLINGWOOD, C.B.E.; publs. *Journal* (quarterly), *Proceedings* (quarterly).

Mathematical Association: 29 Gordon Square, London, W.C.1; f. 1871 as the Association for the Improvement of Geometrical Teaching; now aims at encouraging good mathematical methods; over 5,000 mems.; large library at the University of Leicester; Pres. (1963) J. B. MORGAN; Hon. Secs. F. W. KELLAWAY, Miss R. K. TOBIAS; publs. *Reports* and *Mathematical Gazette*.

Royal Astronomical Society: Burlington House, London, W.1; f. 1820; granted Royal Charter in 1831; *c.* 1,650 mems.; Pres. Sir RICHARD WOOLLEY, O.B.E., F.R.S.; Secs. Prof. H. BONDI, F.R.S., Dr. M. W. OVENDEN; publs. *Monthly Notices* (monthly), *Geophysical Journal* (six a year), *Quarterly Journal* (quarterly), and *Memoirs* (published irregularly); library: *see* Libraries.

Royal Meteorological Society: 49 Cromwell Road, London, S.W.7; f. 1850; approx. 2,000 mems.; Pres. Prof. P. A. SHEPPARD, B.SC., F.INST.P.; Hon. Secs. P. J. MEADE, O.B.E., B.SC., R. S. SCORER, M.A., PH.D.; publs. *Quarterly Journal*, *Weather* (monthly); library: *see* Libraries.

MEDICINE, MICROSCOPY, OPHTHALMOLOGY

Anatomical Society of Great Britain and Ireland: f. 1887; 500 mems.; Pres. Prof. G. A. G. MITCHELL, O.B.E., T.D., M.B., CH.M., D.SC.; Hon. Sec. Prof. R. J. HARRISON, M.A., M.D., D.SC., London Hospital Medical College, Turner Street, London, E.1; publ. *Journal of Anatomy*.

Assurance Medical Society: 11 Chandos Street, London, W.1; f. 1893 for the promotion and study of life insurance medicine; 225 mems. and subscribers; Pres. A. LATTER, M.D.; Hon. Secs. G. C. PETHER, M.D., and I. MACDONALD, M.D.; publ. *Transactions* (biennially).

British Association of Physical Medicine: at The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1943 to promote appreciation of the value of medicine and to encourage the highest efficiency and effectiveness in its application, with special regard to rehabilitation and rheumatic diseases; 200 mems.; Hon. Sec. W./Cdr. C. B. WYNN PARRY, M.B.E., R.A.F.; publ. *Annals of Physical Medicine*.

British Council for the Rehabilitation of the Disabled: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1944; covers the whole field of rehabilitation, promotes study courses, engages in research and operates a Preparatory Training Bureau in over 100 subjects; Chair. Rt. Hon. Lord SEMPILL, A.F.C.; Gen. Sec. IAN R. HENDERSON; publ. *Rehabilitation* (quarterly).

British Dental Association: 13 Hill Street, Berkeley Square, London, W.1; f. 1880 as a professional assen.; 11,000 mems.; library of 10,000 vols.; Sec. J. N. PEACOCK, L.D.S.; Librarian H. A. CUFFLIN, B.A., A.L.A.; publ. *British Dental Journal* (twice monthly).

British Diabetic Association: 152 Harley Street, London, W.1; f. 1934 to provide an organisation for the benefit of and service to diabetics and others interested in diabetes, and to promote the study of the causes thereof and the diffusion of information concerning the same; Chair. Dr. B. A. YOUNG; Sec.-Gen. J. G. L. JACKSON; publ. *Balance* (quarterly).

British Empire Cancer Campaign: 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1; f. 1923 with the object of attacking and defeating the disease of cancer in all its forms by research into its causes, distribution, symptoms, pathology and cure; Pres. H.R.H. The Duke of GLOUCESTER; Sec.-Gen. Capt. F. B. TOURS, O.B.E., R.N. (retd.); publs. *British Journal of Cancer* (quarterly), *Annual Report*.

British Medical Association: Tavistock Square, London, W.C.1; f. 1832; 67,000 mems.; Pres. IAN FRASER, D.S.O., O.B.E., M.D., M.CH., F.R.C.S., F.R.C.S.I., F.A.C.S., F.R.S.ED., D.L.; Chair of Council J. R. NICHOLSON-LAILEY, F.R.C.S.; Sec. D. P. STEVENSON, M.R.C.S., L.R.C.P.; publs. *British Medical Journal* (weekly), and numerous journals on specialised medical subjects.

British Optical Association: 65 Brook Street, London, W.1; f. 1895 for the encouragement of the science of optics and its application to the improvement of human vision; 4,500 mems.; library of 8,000 vols.; Pres. T. A. HARWOOD, B.SC.; Sec. G. H. GILES, O.B.E.; Librarian Miss J. M. MITCHELL, M.A.; publs. *British Journal of Physiological Optics* (quarterly), *Dioptric News* (fortnightly).

British Society for the Study of Orthodontics: Manson House, 26 Portland Place, London, W.1; f. 1907; 500 mems.; Pres. (1961) S. GRANGER MCCALLIN; Hon. Sec. B. C. LEIGHTON; publ. *Transactions* (annual).

British Society of Medical Hypnotists, The: f. 1948 to promote the study and use of hypnotism in medicine; officially recognised; Pres. Dr. S. J. VAN PELT, 126 Harley Street, London, W.1; publ. *The British Journal of Medical Hypnotism* (quarterly).

Central Council for Health Education: Tavistock House North, Tavistock Square, London, W.C.1; f. 1927, inc. 1936, to carry out health education work for local authorities in England, Wales and Northern Ireland; mainly directed towards medical officers, health visitors, teachers, public health inspectors, and others involved in the education of the public in health matters; services provided are: lectures, information, film and film-strip consultation, library, publications and exhibitions, courses, etc.; Chair. Ald. G. S. BURDEN, B.SC.; Medical Dir. A. J. DALZELL-WARD, M.R.C.S., L.R.C.P., D.P.H.; publs. *Health Education Journal* (quarterly), *Health Information Digest* (twice-yearly).

Chartered Society of Physiotherapy: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1894, inc. by Royal Charter 1920 to improve the training, education, and professional status of persons engaged in the practice of massage, medical gymnastics, electrothera-

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peutics, etc.; 17,000 mems.; Pres. Sir CECIL WAKELEY, Bt., K.B.E., C.B., LL.D., F.R.C.S.; Chair. of Council Prof. RUTH E. M. BOWDEN D.SC., M.B., B.S.; Sec. JOHN E. DIGBY, B.A.; publ. *Physiotherapy* (monthly).

Chest and Heart Association, The: Tavistock House North, Tavistock Square, London, W.C.1; f. 1899; for the prevention and conquest of tuberculosis and diseases of the chest and heart, through research, education and propaganda; Pres. H.R.H. Princess MARINA, Duchess of KENT; Chair. of Council Her Grace The Duchess of PORTLAND, D.B.E.; Sec.-Gen. J. H. HARLEY WILLIAMS, O.B.E., M.D., D.P.H.; publs. *Chest and Heart Bulletin* (six times yearly), *Health Horizon* (quarterly), *Chest Diseases Index and Abstracts including tuberculosis* (quarterly), *Cardiac News Letter*, (quarterly), *Handbook of Tuberculosis Activities* (Fifteenth edition 1957).

College of General Practitioners: 14 Princes Gate, London, S.W.7; f. 1952 to represent general practitioners; 6,400 mems.; Pres. Dr. E. M. ROSE, O.B.E., M.B., B.CH.; Chair. K. MACFOSTER, M.R.C.S., L.R.C.P.; Hon. Sec. of Council J. H. HUNT, D.M., M.R.C.P.; Sec. Commdr. A. E. P. DORAN, D.SC., F.C.C.S.

Faculty of Radiologists: 47 Lincoln's Inn Fields, London, W.C.2; practice of radiology; 1,100 mems.; Pres. D. W. SMITHERS, M.D., F.R.C.P., F.F.R.; Hon. Sec. C. J. HODSON, F.R.C.P., F.F.R.; publ. *Clinical Radiology* (quarterly).

Harveian Society of London: 11 Chandos Street, London, W.1; f. 1831 by zealous professional men anxious to improve their own knowledge and promote the advance of medical science: 385 mems.; Pres. D. N. MATTHEWS, O.B.E., M.A., M.D., M.CH., F.R.C.S.; Hon. Secs. R. P. GOULDEN, M.B., CH.B., A. M. DAWSON, M.D., M.R.C.P.

Hunterian Society: f. 1819; 491 mems.; Secs. Dr. O. GARROD, M.B.E., 31 Weymouth Street, London, W.1, HOWARD G. HANLEY, M.D., F.R.C.S., 147 Harley Street, London, W.1.

Institute of British Surgical Technicians, Inc.: 6 Holborn Viaduct, London, E.C.1; f. 1935; 1,081 mems.; Pres. A. DICKSON WRIGHT, M.S., F.R.C.S.; Chair. G. MAURICE DOWN, F.I.B.S.T.; Sec. R. NUNN; publ. *Journal* (annual).

Institute of Medical Laboratory Technology: 74 New Cavendish Street, London, W.1; inc. 1942 to act as a professional and qualifying body in the techniques applicable to bacteriology, chemical pathology, histopathology, hæmatology, parasitology and virology; 7,000 mems.; Pres. Prof. H. A. MAGNUS, M.D., F.R.C.P.; Chair. W. H. VALENTINE; Sec. R. J. LAVINGTON; publ. *Journal of Medical Laboratory Technology* (quarterly).

Listerian Society of King's College Hospital: King's College Hospital, Denmark Hill, London, S.E.5; f. 1833 as King's College Medical and Scientific Society; renamed Listerian Society 1912 on the death of Lord Lister; at present addressed on a variety of medical and cultural topics by distinguished speakers on six occasions during the winter months; 300 mems.; Pres. SELWYN TAYLOR, D.M.(OXON.), M.CH., F.R.C.S.; Secs. D. R. DAVIES, G. H. R. ROWELL, B.A.

Medical Society of London: 11 Chandos Street, London, W.1; f. 1773; Pres. ALEC L. WINGFIELD, M.D., F.R.C.P.; Hon. Secs. JOHN HUNT, D.M., M.R.C.P. and H. H. G. EASTCOTT, M.S., F.R.C.S.; Registrar and Librarian Lt.-Col. E. J. TUCKER; library: *see* Libraries.

Medico-Legal Society: 40 Carey St., Lincoln's Inn, London, W.C.2; f. 1901; approx. 600 mems.; Pres. Prof. KEITH SIMPSON, M.D.; Hon. Secs. MEADOWS MARTINEAU, B.A., D. G. RUSHTON, M.B., B.S.; Sec. J. P. BEAVEN, F.L.A.; publ. *The Medico-Legal Journal*.

Ophthalmological Society of the United Kingdom: at the Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1880 for the cultivation and promotion of ophthalmology; approx. 900 mems.; Pres. L. B. SOMERVILLE-LARGE, M.B.; Hon. Secs. D. P. GREAVES, F.R.C.S. and I. M. DUGUID, M.A., F.R.C.S.; publ. *Transactions* (annual).

Physiological Society: Magdalen College, Oxford (regd. office); f. 1876 to promote the advancement of physiology and facilitate the intercourse of physiologists at home and abroad; 650 mems.; Secs. Dr. J. A. B. GRAY, Department of Physiology, University College, Gower Street, London, W.C.1, and Prof. A. A. HARPER, King's College, Newcastle-on-Tyne, 1; publ. *Journal of Physiology* (monthly).

Quekett Microscopical Club: 2 Tudor Street, London, E.C.4; f. 1865 to encourage the study of every branch of microscopical science; 300 mems.; Business Sec. Mrs. E. M. BARRON; publ. *Q.M.C. Journal* (four times a year).

Research Defence Society: 11 Chandos Street, London, W.1; f. 1908; approx. 1,000 mems.; Pres. The Earl of HALSBURY; Chair. of Cttee. Brig. Sir JOHN BOYD, O.B.E., F.R.C.P., F.R.S.; Hon. Sec. Prof. A. D. MACDONALD; Sec. Mrs. K. WILLIAMS; publ. *Conquest*.

Royal College of Obstetricians and Gynaecologists: 27 Sussex Place, Regent's Park, London, N.W.1; f. 1929; Pres. HECTOR A. MACLENNAN.

Royal College of Physicians: Regent's Park, London, N.W.1; f. 1518; Pres. Sir CHARLES DODDS, M.V.O., M.D., F.R.C.P., F.R.S.; Sec. Miss I. L. COOK, M.B.E.; library: *see* Libraries.

Royal College of Physicians of Edinburgh: 9 Queen Street, Edinburgh, 2; f. 1681; Sec. Dr. R. F. ROBERTSON; library: *see* Libraries.

Royal College of Physicians and Surgeons of Glasgow: 242 St Vincent Street, Glasgow, C.2; f. 1599; a medical licensing corporation; 1,045 Fellows; library of approx. 150,000 vols.; Pres. Sir CHARLES ILLINGWORTH; Visitor A. B. KERR; Sec. G. B. SHAW.

Royal College of Surgeons of Edinburgh: 18 Nicolson Street, Edinburgh; f. 1505; Pres. J. J. MASON BROWN, O.B.E.; Sec. JAMES A. ROSS; Hon. Librarian Sir WALTER MERCER; Conservator D. E. C. MEKIE.

Royal College of Surgeons of England: Lincoln's Inn Fields, London, W.C.2; f. 1800; 5,000 fellows, 26,000 mems., 500 students; Pres. Sir RUSSELL BROCK, F.R.C.S.; Sec. R. S. JOHNSON-GILBERT, M.A.; publs. *Annals* (monthly), *Calendar* (occasional), *Annual Report*; Nuffield College of Surgical Sciences for postgraduate students; f. 1957.

Royal College of Veterinary Surgeons: 32 Belgrave Square, London, S.W.1; f. 1844; the governing body of the veterinary profession in the United Kingdom, which maintains the Statutory Registers and the discipline of the profession and superintends veterinary education in the universities; possesses the foremost veterinary library in the United Kingdom, which is open to veterinary surgeons and bona fide scientific workers; Pres. W. L. WEIPERS, B.SC., F.R.C.V.S., D.V.S.M., F.R.S.E.; Registrar W. G. R. OATES.

Royal Medico-Psychological Association: 11 Chandos Street, Cavendish Square, London, W.1; f. 1841 for the promotion and cultivation of science in relation to mental disease and the improvement in the treatment of persons suffering from mental disorder, and to facilitate the exchange of ideas on those subjects; 1,750 mems.; Pres. WILLIAM MCCARTAN, M.D., M.R.C.P., D.P.H., D.P.M.; Gen. Sec. A. B. MONRO, PH.D., M.D., D.P.M.; Sec. N. H. COBBING; publ. *Journal of Mental Science*.

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Royal Microscopical Society: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1839 for the promotion of Microscopical Science and its applications; granted Royal Charter in 1866; 800 Fellows; library of approx. 13,000 vols.; Gen. Sec. G. G. PRINCE; publ. *Journal* (quarterly).

Royal Society of Medicine: 1 Wimpole Street, London, W.1; f. 1805; first Royal Charter 1834, supplemental Charter 1907; world-wide membership, over 12,000; 27 Sections cover whole field of medicine; Photographic Unit making motion films, clinical and x-ray pictures, microfilms and photocopy; Pres. TERENCE CAWTHORNE, F.R.C.S.; Sec. R. T. HEWITT, O.B.E., M.A.; publs. *Calendar* (annual), *Proceedings* (monthly).

Royal Society of Tropical Medicine and Hygiene: Manson House, 26 Portland Place, London, W.1; f. 1907 for the stimulation of inquiry and research into causes, treatment, and prevention of human and animal diseases in warm climates; 2,000 mems.; Pres. Prof. Brig. J. S. K. BOYD, O.B.E., M.D., F.R.S.; Hon. Secs. Dr. C. WILCOCKS, M.D., F.R.C.P., and Prof. A. W. WOODRUFF, M.D., F.R.C.P.; publs. *Transactions* (six times yearly), *Year Book* (Editor Sir WILLIAM MACARTHUR, K.C.B., D.S.O., M.D., F.R.C.P.).

St. John's Hospital Dermatological Society (incorporating The London Dermatological Society): meeting at St. John's Hospital for Diseases of the Skin; f. 1911 to promote the knowledge and study of dermatology by showing and discussion of rare and interesting cases; 400 Fellows; Pres. (1962-64) Dr. F. R. BETTLEY; Hon. Sec. Dr. K. V. SANDERSON; publ. *The Transactions* (twice yearly).

Society of Medical Officers of Health, The: Tavistock House, (South) Tavistock Square, London, W.C.1; f. 1856 for the advancement of public health in every branch, and of the knowledge and interests of the public health service; approx. 2,400 mems.; Pres. Dr. E. HUGHES, M.D., D.P.H., D.P.A.; Sec. Col. J. C. HAMILTON, T.D., B.L.; publ. *Public Health* (bi-monthly).

Society of Radiographers: 32 Welbeck Street, London, W.1; f. 1920; affiliated with British Institute of Radiology in 1927; 6,250 mems.; Sec. K. C. DENLEY, Hon. F.S.R.; publ. *Radiography* (monthly).

Tavistock Institute of Medical Psychology: 3 Devonshire Street, London, W.1; f. 1920; promotes the study and practice of psychotherapy and sponsors research in the field of family psychiatry, practical training in the psychodynamics of group relations for people drawn from fields such as industry and commerce and the medical, educational and social services; Sec. S. G. GRAY, F.C.C.I., F.C.C.S.

Worshipful Society of Apothecaries of London: Apothecaries' Hall, Black Friars Lane, London, E.C.4; f. 1617 by King James I; grants a registrable medical qualification (L.M.S.S.A. Lond.), also the post-graduate diplomas of Mastery of Midwifery (M.M.S.A.), diploma in Industrial Health (D.I.H.), and a certificate for assistants in dispensing; 750 mems.; Master Dr. W. S. C. COPEMAN; Clerk and Registrar ERNEST BUSBY.

MUSEOLOGY

Museums Association: 87 Charlotte Street, London, W.1; f. 1899; 1,366 mems.; Pres. Sir TRENCHARD COX, C.B.E., D.LITT., F.S.A., F.H.A.; Hon. Sec. G. L. CONRAN, F.M.A.; Hon. Treas. CHARLES CARTER, M.SC., F.S.A. (SCOT.), F.M.A.; Chair. of Education Cttee. T. A. WALDEN, F.M.A.; Sec. PHILIP JAMES, C.B.E.; publs. *Museums Journal* (quarterly), *Bulletin* (monthly), *Museums Calendar* (annual).

Standing Commission on Museums and Galleries: 6 Carlton House Terrace, London, S.W.1; appointed 1931; objects (1) to advise generally on questions relevant to the most effective development of the National Institutions as a whole, and on any specific questions which may be referred to them from time to time; (2) to promote co-operation between the National Institutions themselves, and between the National and Provincial Institutions; (3) to stimulate the generosity and direct the efforts of those who aspire to become public benefactors; Chair. The Earl of ROSSE, M.R.I.A., F.S.A., F.R.A.S., LL.D.; Sec. Miss A. L. T. OPPÉ.

MUSIC

British Federation of Music Festivals: 106 Gloucester Place, London, W.1; inc. 1921; mems.: 278 Festivals, 650 gen. mems.; Patron H.M. The QUEEN; Pres. Sir ADRIAN BOULT; Sec. STANLEY HARPER; publ. *Year Book* (March).

Composers' Guild of Great Britain: 5 Egmont House, 116 Shaftesbury Avenue, London, W.1; f. 1945; Pres. Sir ARTHUR BLISS; Vice-Pres. BENJAMIN BRITTEN, C.H., Sir WILLIAM WALTON; Sec. Mrs. T. LEVAN.

The Dolmetsch Foundation (for the Renaissance of Early Music and Instruments): Greenstead, Beacon Hill, Hindhead, Surrey; f. 1928; to manufacture and play authentically early types of musical instruments; Chair. H. O. YOUNG; Sec. and Treas. Mrs. A. H. EVANS; publ. *The Consort* (annually).

English Folk Dance and Song Society: Cecil Sharp House, 2 Regent's Park Road, London, N.W.1; f. 1932 (Folk Song Society 1898, English Folk Dance Society 1911) to collect, study and preserve English folk dances and songs and other folk music and to encourage their performance; 10,000 mems.; library of 5,000 vols. and 3,000 recordings; Artistic Adviser DOUGLAS KENNEDY, O.B.E.; Administrator S. R. S. PRATT; publs. *Journal, English Dance and Song.*

Hallé Concerts Society: 8 St. Peter's Square, Manchester, 2; f. 1857; 1,800 mems.; Conductor Sir JOHN BARBIROLLI; Gen. Man. and Sec. CLIVE F. SMART.

Incorporated Association of Organists: Regd. Office: 3 Stanmore Promenade, West Kirby, Ches.; f. 1913 as the National Union of Organists, Associations and inc. 1929; 100 associations, with 7,500 mems., throughout the Empire; aims to improve and advance the knowledge of their art among organists and choirmasters; administers a Benevolent Fund for organists; Pres. Dr. H. LOWERY; Hon. Sec. W. F. MAHONEY.

Incorporated Guild of Church Musicians: f. 1888; 350 mems.; Pres. Lord ILFORD, Q.C., M.C., M.A.; Vice-Pres. The Ven. The Archdeacon of LUDLOW, P.C.; Hon. Sec. Rev. GEORGE H. BROWNING, O.B.E., L.TH., Hon. C.F., St. George's Vicarage, Edgbaston, Birmingham.

Incorporated Society of Musicians: f. 1882, inc. 1892; representative body of the profession of music in Great Britain; 4,500 mems.; Pres. (1963) Prof. Sir JACK WESTRUP; Gen. Sec. DENIS BREARLEY, LL.B., 48 Gloucester Place, London, W.1; publs. *Handbook* (biennial), *Music Journal* (quarterly).

London Association of Organists: Suffolk House, 5 Laurence Pountney Hill, London, E.C.4; f. 1913; incorporating London and Eastern Society of Organists, North London Society of Organists, Southwark and South London Society of Organists, South-west London Society of Organists, West London and Middlesex Society of Organists; Pres. H LOWERY, M.ED., B.A., D.SC., PH.D., F.T.C.L.; Hon. Sec. C. H. MORTLOCK, M.C.I.M., F.I.A.C.; publ. *The Bulletin* (quarterly).

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Music Teachers' Association, The: 106 Gloucester Place, London, W.1; inc. 1946; Patron Sir ARTHUR BLISS; Pres. ERNEST READ, C.B.E., F.R.A.M.; Sec. STANLEY HARPER.

Philharmonia Concert Society: 55 Heath Street, London, N.W.3; promotes and arranges concerts and recitals for the Philharmonia Orchestra and Philharmonia Chorus; Chair. and Artistic Dir. WALTER LEGGE.

Plainsong and Medieval Music Society: f. 1888 for the publication of facsimiles, editions and catalogues of plain song and early polyphony; also for performing this music; library in Senate House, London University; Pres. Dr. HERBERT HOWELLS, C.B.E.; Sec. DENIS STEVENS, 41 Blenheim Park Road, South Croydon, Surrey.

Renaissance Society: f. 1944 to propagate vocal and instrumental music of the English and Continental schools of ecclesiastical polyphony; Dir. and Founder MICHAEL HOWARD; Hon. Sec. BRUNO TURNER, 34 Highcroft Gardens, London, N.W.11.

Royal Choral Society: The Royal Albert Hall, London, S.W.7; f. 1871 for the provision in the best possible manner of good choral music; 400 mems.; Pres. H.R.H. Princess MARINA, Duchess of KENT; Conductor Sir MALCOLM SARGENT; Sec. Miss P. G. DABBS.

Royal Liverpool Philharmonic Society: Liverpool; the Royal Liverpool Philharmonic Orchestra is the third oldest in the world; Chair. PATRICK W. RATHBONE, M.B.E.; Gen. Manager and Sec. GERALD MCDONALD.

Royal Musical Association, The: 44 Philip Victor Road, Handsworth, Birmingham, 21; f. 1874, inc. 1904, for the investigation and discussion of subjects connected with the art and science of music; 520 mems.; Pres. Prof. ANTHONY LEWIS; Sec. Dr. N. FORTUNE; publs. *Proceedings* (annual), *Musica Britannica* (Vols. I-XXI already published), *Research Chronicle* (annual).

Royal Philharmonic Society: 4 St. James's Square, London, S.W.1; f. 1813; 691 mems.; Chair. GEORGE BAKER; Hon. Sec. LESLIE REGAN; Hon. Treas. GEORGE BAKER; Hon. Co.-Treas. MYERS FOGGIN.

Rural Music Schools Association: Little Benslow Hills, Hitchin, Herts.; f. 1934 by the existing Rural Music Schools to co-ordinate their policy, supervise their work, and establish new schools; over 10,000 students in all Rural Music Schools; Pres. The Earl of HAREWOOD; Dirs. HELEN WRIGHT and BERNARD SHORE; Sec. MARGARET THORNTON; publs. *Annual Report, Making Music* (thrice yearly), *Graded Lists of Music for String Class Teaching, Chamber Music, Orchestral Music.*

Society for the Promotion of New Music: 4 St. James' Square, London, S.W.1; f. 1943; 600 mems.; monthly recitals of new chamber music; new orchestral works also performed twice every year; Pres. (Vacant); Vice-Pres. WILLIAM ALWYN, LENNOX BERKELEY, C.B.E., Sir ARTHUR BLISS, BENJAMIN BRITTEN, C.H., EDRIC CUNDELL, C.B.E., ALAN RAWSTHORNE, Dr. EDMUND RUBBRA, MICHAEL TIPPETT, Sir WILLIAM WALTON; Founder FRANCIS CHAGRIN; Sec. Miss JUDITH JACKSON.

Society of Women Musicians, Inc.: c/o Cramer's, 139 New Bond Street, London, W.1; f. 1911; approx. 500 mems.; Pres. Miss SEYMOUR WHINYATES, O.B.E., Hon. R.A.M.; Sec. Miss ALICE MARTIN.

South Place Ethical Society: Conway Hall, Red Lion Square, London, W.C.1; lectures, discussions, chamber music concerts, etc. from October to April; publ. *Monthly Record.*

Workers' Music Association Ltd.: 136A Westbourne Terrace, London, W.2; f. 1936 to promote and further working-class musical activities; Pres. ALAN BUSH.

PHILOSOPHY, PSYCHOLOGY, RELIGION

Aristotelian Society: f. 1880 for the systematic study of philosophy, its historic development and its methods and problems; 450 mems. and 90 subscribing libraries; Hon. Sec. A. A. KASSMAN, 30 Frith Street, London, W.1; publs. *Proceedings* (annual) and *Supplementary Volume* (annual).

British Psychological Society: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1902; 2,801 mems.; Pres. Prof. G. C. DREW, M.A., DIP.ED.; Deputy Pres. DONALD BROADBENT, M.A.; Hon. Sec. Miss GRACE RAWLINGS, B.A.; Hon. Treas. ALASTAIR HERON, PH.D.; publs. *British Journal of Psychology, British Journal of Medical Psychology, British Journal of Educational Psychology, British Journal of Statistical Psychology, British Journal of Social and Clinical Psychology.*

Ecclesiological Society: Walcot House, 139 Kennington Road, London, S.E.11; f. 1839 as The Cambridge Camden Society; object: to study the science of worship in all its aspects, including architecture, sculpture, painting, woodwork, metalwork, mosaics and stained glass, ceremonial, liturgies, and music, and to preserve our heritage of records and remains; 150 mems.; Pres. Rt. Rev. W. R. GLYN SIMON; Hon. Sec. LESLIE W. BULL; publ. *Transactions.*

Leeds Philosophical and Literary Society Ltd.: City Museum, Leeds, 1; f. 1820 for the advancement of knowledge in all its branches, excepting religion, politics and ethics; 120 mems.; Sec. H. HENSON; publ. *Proceedings.*

Manchester Literary and Philosophical Society: 36 George Street, Manchester 1; f. 1781 for the advancement of literature and science; 500 mems.; Pres. L. COHEN, F.B.I.M.; Hon. Secs. L. COHEN, PH.D., D.I.C., F.INST.P., R. G. COX, PL.D., M.D.; Hon. Treas. H. HAYHURST, F.R.I.C., A.M.I.CHEM.E., F.R.E.S.; publ. *Memoirs and Proceedings* (annual).

Mind Association: c/o Thomas Nelson and Sons Ltd., Parkside, Edinburgh, 9; f. 1900; 778 mems.; Editor Prof. GILBERT RYLE; Hon. Sec. Prof. A. R. WHITE; publ. *Mind* (f. 1876; quarterly).

Modern Churchmen's Union: f. 1898; for the advancement of liberal religious thought; 1,000 mems.; Pres. Rt. Rev. J. L. WILSON, Bishop of Birmingham; Chair. Canon J. D. PEARCE-HIGGINS, M.A.; Sec. Rev. F. E. COMPTON, Caynham Vicarage, Ludlow, Salop; publ. *The Modern Churchman* (quarterly).

National Institute of Industrial Psychology: 14 Welbeck Street, London, W.1; f. 1921 to ensure the maximum adjustment of the individual to his job by scientific methods of vocational guidance, selection and training, and the promotion of good industrial relations; research programme supported by grant from Dept. of Scientific and Industrial Research; Pres. Rt. Hon. Lord PIERCY, C.B.E., B.SC.; Chair. The Rt. Hon. The Earl of HALSBURY, F.R.I.C., F.INST.P.; Dir. C. B. FRISBY, PH.D.; Sec. G. HUMPHREY SMITH, O.B.E.; publ. *Occupational Psychology* (quarterly).

National Society for Promoting Religious Education in accordance with the Principles of the Church of England: 69 Great Peter Street, London, S.W.1; f. 1811; 3,600 mems.; Pres. The Archbishop of CANTERBURY; Chair. Lord SOULBURY; Gen. Sec. Rev. Canon G. D. LEONARD.

Society for Psychical Research: 1 Adam and Eve Mews, London, W.8; f. 1882 for the purpose of making an organised and systematic attempt to investigate certain debatable phenomena which are *prima facie* inexplicable on any generally recognised hypothesis; 1,089 mems.; Pres. Prof. E. R. DODDS, D.LITT.; publs.

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Proceedings (irregularly), *Journal* (quarterly), and pamphlets.

Swedenborg Society (Inc.): 20-21 Bloomsbury Way, London, W.C.1; f. 1810 for the translation and publication of the writings of Emanuel Swedenborg, Swedish scientist, philosopher and theologian; approx. 800 mems.; Pres. (1963-64) ALAN A. DRUMMOND, M.SC.; Hon. Sec. Mrs. FREDA G. GRIFFITH, PH.D., B.SC.

Victoria Institute, or Philosophical Society of Great Britain: 15 Quarry Road, London, S.W.18; f. 1865; approx. 500 mems.; Pres. Prof. F. F. BRUCE, M.A., D.D.; Chair. R. J. C. HARRIS, A.R.C.S., B.SC., PH.D., F.R.I.C.; publs. *Journal of Transactions, Faith and Thought.*

PHYSICS

Institute of Physics and Physical Society: 47 Belgrave Square, London, S.W.1; f. 1918, amalgamated 1960; 9,000 mems.; aims to elevate the profession of physicist and to advance and diffuse a knowledge of physics pure and applied; Pres. Sir ALAN WILSON, M.A., D.SC., F.INST.P., F.R.S.; Hon. Sec. C. G. WYNNE, B.A., PH.D., F.INST.P.; Sec. H. R. LANG, PH.D., F.INST.P.; publs. *Journal of Scientific Instruments, British Journal of Applied Physics, Proceedings of the Physical Society, Reports on Progress in Physics, Bulletin, Handbook of Scientific Instruments and Apparatus,* and *Student Monograph* series.

Newtonian Society: inaugurated 1935 to honour the name of Isaac Newton and link his admirers; to study his life, character, and genius; to delineate Newton's contemporaries, literary and scientific; to discuss interrelations of science, philosophy, and religion; meetings held at the Newton Institute, Long Court, St. Martin's Street, London, W.C.2; Pres. Rev. F. H. E. HARFITT, F.R.S.S., F.PH.S., F.R.S.A., correspondence to JOHN CLEE, D.PH. (Hon. Treas.), 3 Tudor Close, Middleton-on-Sea, Bognor, Sussex; A. J. B. BROWN, D.SC. (Hon. Sec.); publ. *The Newtonian* (occasional).

Physical Society: *See* Institute of Physics and Physical Society, (above).

SCIENCE

British Association for the Advancement of Science: 3 Sanctuary Buildings, Gt. Smith Street, London, S.W.1; f. 1831 "to give a stronger impulse and a more systematic direction to scientific inquiry; to promote the intercourse of those who cultivate science in different parts of the British Empire with one another and with foreign philosophers; to obtain more general attention for the objects of science and the removal of any disadvantages of a public kind which impede its progress"; the B.A. has an organised relationship with over 150 scientific bodies and learned societies; 5,000 mems.; Pres. (1963-64) Lord BRAIN; Gen. Sec. Dame KATHLEEN LONSDALE, F.R.S.; publ. *The Advancement of Science.*

British Society for the History of Science: f. 1946; 225 mems.; Pres. THOMAS MARTIN, M.SC.; Hon. Sec. F. H. C. BUTLER, Ravensmead, Keston, Kent; publ. *British Journal for the History of Science* (twice yearly).

Cambridge Philosophical Society: Free School Lane and Benet Street, Cambridge; f. 1819 to promote scientific enquiry and to facilitate the communication of facts connected with the advancement of Science; 840 mems.; library of 80,000 vols., mainly periodicals, covering most branches of science, but especially mathematics, physics and general biology; Senior Sec. Dr. S. SMITH, M.A., PH.D.; Librarian Miss J. E. I. LARTER, M.A., F.L.A.; publs. *Proceedings* (*Mathematical and Physical Sciences*), *Biological Reviews.*

Society for Visiting Scientists, Ltd: 19 Albemarle Street, London, W.1; f. 1944 on initiative of British Council in consultation with the Royal Society; 3,370 mems.; Pres. and Chair. Prof. A. V. HILL, C.H., O.B.E., F.R.S.

South-Eastern Union of Scientific Societies: 53 The Drive, Shoreham-by-Sea, Sussex; f. 1896; unites some 70 natural history and archæological societies in 12 counties; Pres. Dr. MAURICE BURTON, F.L.S.; Sec. F. EDWARDS, F.L.S., F.PH.S.; Editor F. D. S. RICHARDSON, M.A., F.L.S.; publ. *South-Eastern Naturalist and Antiquary* (annual).

SOCIOLOGY

Folk-Lore Society: c/o University College, Gower Street, London, W.C.1; f. 1878; about 550 mems. and subscribers; library of 17,000 vols.; Pres. PETER OPIE; Hon. Sec. ALAN W. SMITH; publ. *Folklore* (quarterly).

International African Institute: St. Dunstan's Chambers, 10-11 Fetter Lane, Fleet Street, London, E.C.4; f. 1926 to disseminate information and to organise research relating to the cultures, languages and social institutions of African peoples; 1,750 mems.; library of 5,000 vols.; Admin. Dir. Prof. DARYLL FORDE; publs. *Africa* (quarterly), *African Abstracts* (quarterly) and numerous monographs.

Institute of Community Studies: 18 Victoria Park Square, London, E.2; f. 1954; social studies in East London and elsewhere; publs. *Family and Kinship in East London, The Family Life of Old People, Widows and their Families, Family and Class in a London Suburb, Family and Change in an African City, Education and the Working Class, Living with Mental Illness.*

Institute of Race Relations: 36 Jermyn Street, London, S.W.1; to study the relations between different races and peoples and the circumstances and conditions in which they live and work, and to consider and advise upon any proposals to improve such relations, circumstances, and conditions; Chair. Sir ALEXANDER CARR-SAUNDERS, K.B.E., F.B.A.; Dir. PHILIP MASON, C.I.E., O.B.E.; publs. *Race* (twice yearly), books.

Royal Anthropological Institute: (*see* Research Institutes—Sociology).

Saltire Society: Gladstone's Land, 483 Lawnmarket, Edinburgh, 1; f. 1936 to foster the Scottish way of life; 1,700 mems.; Pres. ROBERT HURD; Hon. Sec. Dr. R. M. GORKIE; publ. *The New Saltire* (quarterly).

TECHNOLOGY

British Coal Utilisation Research Association: Randalls Road, Leatherhead; f. 1938 to promote research and other scientific work in connection with the utilisation of coal and its derivatives; is under the aegis of the D.S.I.R.; 133 mems.; Pres. E. H. BROWNE, C.B.E.; Dir.-Gen. D. HICKS; Dir. of Intelligence and Publications I. G. C. DRYDEN; Dir. of Industrial and Domestic Development Laboratories J. S. HALES, O.B.E.; Company Sec. P. T. SUTTON.

British Glass Industry Research Association: Northumberland Road, Sheffield 10; f. 1955; Chair. A. W. CLARK, O.B.E.

British Horological Institute: 35 Northampton Square, London, E.C.1; f. 1858 to promote the cultivation of the science of horology; *c.* 4,000 mems.; Pres. RICHARD VAN DER RIET WOOLLEY, O.B.E., M.A., SC.D., LL.D., F.R.S., F.B.H.I.; Sec. F. B. COWEN, M.B.E., M.C., T.D.; publ. *The Horological Journal* (monthly).

British Institute of Management: Management House, 80 Fetter Lane, London, E.C.4; the central national body for the study and promotion of good management; 20,000 mems.; Dir. JOHN MARSH.

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British Ship Research Association: Prince Consort House, 27/29 Albert Embankment, London, S.E.1; f. 1944; Chair. of Council Sir EUSTACE SMITH, C.B.E.; Dir. of Research Dr. R. HURST, G.M.; Dir. of Marine Engineering Research Dr. T. W. F. BROWN, C.B.E.; Admin. Dir. and Sec. J. C. ASHER, B.SC.(ECON.).

British Society of Dowsers: York House, Portugal Street, London, W.C.2; f. 1933 to encourage the study of all matters connected with the perception of radiation by the human organism; to spread information of the use of dowsing for geophysical, medical, agricultural and other purposes, and to keep a register of competent dowsers; approx. 500 mems.; Pres. Col. A. H. BELL, D.S.O., O.B.E.; Hon. Sec. and Treas. C. SOMERS TAYLOR, M.A.; publ. *Journal* (quarterly).

British Standards Institution: 2 Park Street, London, W.1; formed 1901 as Engineering Standards Committee; inc. 1918 as British Engineering Standards Assn., f. under Royal Charter as B.S.I. in 1929; the Institution is the organisation for the promulgation of all national standards, other than for a few specialised subjects; over 11,000 subscribing mems.; Pres. and Chair. G. CUNLIFFE; Dir. H. A. R. BINNEY, C.B.; Associate Dir. GORDON WESTON, O.B.E.; publs. *Year Book, B.S.I. News* (monthly), *Annual Report* and *British Standard Specifications*.

Federation of British Industries: 21 Tothill Street, London, S.W.1. *Education Committee:* f. 1917 to recommend policies in the whole field of education as it affects industry (with the exception of operatives) and to take any necessary action; Chair. Dr. J. A. POPE, D.SC., PH.D.; Sec. S. MOORE-COULSON, C.B., E.R.D. *Industrial Research Committee:* to keep under review questions relating to research as affecting industry and to take any necessary action; Sec. S. MOORE-COULSON, C.B., E.R.D.

Gemmological Association of Great Britain, Inc.: Saint Dunstan's House, Carey Lane, London, E.C.2; f. 1931 for promotion of the study of gemmology and the scientific and industrial study of all materials and articles used or dealt in by persons interested in gemmology; Pres. Sir LAWRENCE BRAGG, F.R.S.; Chair. F. H. KNOWLES-BROWN, F.S.M.C., F.G.A.; Sec. G. F. ANDREWS; publ. *Journal of Gemmology* (quarterly).

Institute of Fuel: 18 Devonshire Street, Portland Place, London, W.1; f. 1927, Royal Charter 1946, to promote, foster, and develop the general advancement of the various branches of fuel technology, to promote research, and to act as a professional organisation; 5,700 mems.; Pres. M. W. THRING, M.A.; Sec. R. W. REYNOLDS-DAVIES, O.B.E.; publs. *Journal* (monthly), *Fuel Abstracts and Current Titles* (monthly), periodical reports on special studies.

Institute of Housing (Incorporated): 50 Tufton Street, Westminster, S.W.1; f. 1931 to establish a national organisation for those engaged in housing management of publicly owned estates; 1,800 mems.; Sec. KENNY KEY; publ. *Housing* (quarterly).

Institute of Metals: 17 Belgrave Square, London, S.W.1; f. 1908; local sections in big industrial towns; approx. 6,000 mems.; Pres. The Rt. Hon. The Earl of VERULAM; Sec. R. E. MOORE; Editors E. A. S. COTTON, A.M.I.MECH.E., J. S. BRISTOW, B.SC.; publs. *Journal of the Institute, Metallurgical Abstracts, Metallurgical Reviews, Annotated Equilibrium Diagrams*, jointly with Iron and Steel Institute *Powder Metallurgy* (official publication of Powder Metallurgy Joint Group); joint library with Iron and Steel Institute, *see* Libraries.

Institute of Petroleum: 61 New Cavendish Street, London, W.1; f. 1913 to promote, encourage, and co-ordinate the study of petroleum and its allied products, and to accumulate and disseminate information and knowledge relating thereto; 4,400 mems.; Pres. J. C. GRIDLEY; Gen. Sec. D. A. HOUGH, F.I.A.C.; Editor M. J. WELLS; publs. *Journal, Institute of Petroleum Review* (both monthly), *IP Standards for Petroleum and its Products* (annual), *Safety Codes*.

Institute of Quarrying: 62-64 Baker Street, London, W.1; f. 1917; professional institute to improve science and practice of quarrying and to provide a forum for technical discussion; over 1,600 home and overseas mems.; Pres. J. E. CARLETON; Chair. C. E. MARSTON; Sec. MARY ROBERTS; Tech. Officer B. G. FISH; publs. *The Quarry Managers' Journal* (monthly).

Institute of Refrigeration: New Bridge Street House, New Bridge Street, London, E.C.4; f. 1900 (as the Cold Storage and Ice Association) for the general advancement of refrigeration in all its applications; *c.* 1,025 mems.; Pres. C. M. BRAIN, M.I.MECH.E., M.INST.R.; Sec. D. T. LEE; publ. *Proceedings*.

Institute of Sewage Purification: 10 Cromwell Place, London, S.W.7; f. 1901; 1,100 mems.; Pres. M. LOVETT, O.B.E., B.SC., F.R.I.C., Hon. F.I.P.H.E., F.INST.S.P.; Joint Secs. W. F. A. SNOOK and R. G. MEREDITH, F.C.I.S.; publ. *Journal and Proceedings* (bi-monthly).

Institute of Transport: 80 Portland Place, London, W.1; f. 1919, inc. by Royal Charter 1926, to promote, encourage, and co-ordinate the study and advancement of the science and art of transport in all its branches; 11,000 mems.; library of 12,000 vols.; Pres. KEITH GRANVILLE, C.B.E., M.INST.T.; Sec. F. W. CREWS; publ. *Journal* (two monthly).

Institute of Welding: 54 Princes Gate, London, S.W.7; f. 1923 to promote the advancement of the science and practice of welding by means of gases or electricity, or by other means, and allied sciences; 4,900 mems.; Pres. H. WEST, M.SC., M.I.MECH.E., M.I.E.E.; Sec. G. PARSLOE, M.A.; publs. *British Welding Journal* (monthly), *Handbook of Welding Design*, etc.

Institution of Electronics: Pennine House, 78 Shaw Road, Rochdale, Lancs.; f. 1930, inc. 1935, for the furtherance of the science of electronics and other scientific subjects; over 1,700 mems.; Gen. Sec. W. BIRTWISTLE, M.INST.E.; publ. *Proceedings* (quarterly).

Institution of Metallurgists, The: 4 Grosvenor Gardens, London, S.W.1; f. 1945 to bring within one professional body qualified metallurgists engaged in production, research, teaching, consulting work, etc.; to promote the better education and training of metallurgists; holds examinations every July in the U.K. and Overseas for admission to its three grades of membership; weekend residential courses are held twice a year; 5,783 mems.; Pres. L. NORTHCOTT, C.B.E., PH.D., D.SC., F.R.I.C., F.I.M.; Registrar-Sec. R. G. S. LUDLAM, B.A.; publs. *The Metallurgist* (bi-monthly), *Annual Year Book*.

Institution of the Rubber Industry: 4 Kensington Palace Gardens, London, W.8; f. 1921; to maintain diplomas in rubber technology, to widen the scope of technical education, and to advance the rubber industry; Pres. Sir JOHN N. DEAN; Chair. of the Council GEO. MARTIN; Sec. G. E. HOLMES-SIEDLE; publs. *Transactions* and *Annual Reports*.

Iron and Steel Institute: 4 Grosvenor Gardens, London, S.W.1; f. 1869, inc. by Royal Charter 1899, for the collection and dissemination of knowledge and information on the making, use, and properties of iron and steel and all subjects of interest to ferrous metallurgists; *c.* 5,000 mems.; Pres. F. B. GEORGE; Sec. K. HEADLAM-MORLEY; publ. *Journal* (monthly); library: *see* Libraries.

Joint Committee for National Certificates and Diplomas in Metallurgy: Ministry of Education, Curzon Street, London, W.1; f. April 1945; consists of representatives

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of The Iron and Steel Institute, The Institution of Mining and Metallurgy, The Institute of Metals, The Institution of Metallurgists and The Ministry of Education; administers the award of Ordinary and Higher National Certificates and Higher National Diplomas in Metallurgy; Joint Sec., Ministry of Education.

National Society for Clean Air: Field House, Breams Buildings, London, E.C.4; founded in 1899 as Coal Smoke Abatement Society and amalgamated with the Smoke Abatement League of Great Britain in 1929; 1,500 mems.; 600 of whom are local authorities; Pres. ALBERT PARKER, C.B.E., D.SC., M.INST.CHEM.E., M.INST. GAS.E., F.R.S.H.; Dir. and Editor ARNOLD MARSH, O.B.E., M.SC.(TECH.), M.INST.F.; publs. *Smokeless Air* (quarterly), *Clean Air Year Book, Proceedings of Annual Conferences, Annual Conference and Exhibition Handbook.*

Oil and Colour Chemists' Association: Wax Chandlers Hall, Gresham Street, London, E.C.2; f. 1918 to promote by discussion and scientific investigation the technology of the paint, oil, printing ink, and allied industries; approx. 4,000 mems.; Pres. J. E. ARNOLD, B.SC., PH.D., F.R.I.C., A.INST.P.; Gen. Sec. R. H. HAMBLIN, M.A., F.C.I.S., F.C.C.S.; publs. *Journal* (monthly), *Introduction to Paint Technology, Paint Technology Manuals.*

Plastics Institute, The: 6 Mandeville Place, London, W.1; f. 1931; to advance the standards and methods of education in the fields of plastics, high polymers and related subjects and to promote the development of the art, science and technologies of these subjects by facilitating the exchange of information; acts as a qualifying body for plastics technologists; over 3,900 mems.; Pres. T. L. BIRRELL, M.A., B.COMM., F.P.I.; Chair. L. M. READ, A.R.C.S., A.M.I.CHEM.E., F.P.I.; Sec. J. N. RATCLIFFE, F.C.I.S.; publs. *Transactions and Journal* (bi-monthly), technical moographs.

Radio Society of Great Britain: New Ruskin House, Little Russell Street, London, W.C.1; f. 1913 to promote interest in the science of radio-communication by amateurs, and to safeguard the interests of those of its members who operate or aspire to operate amateur transmitting stations; 11,500 mems.; Pres. NORMAN CAWS, F.C.A.; Gen. Sec. JOHN CLARRICOATS, O.B.E.; publ. *Bulletin* (monthly).

Royal Aeronautical Society: 4 Hamilton Place, London, W.1; f. 1866; 10,000 mems.; Pres. Prof. A. R. COLLAR; Sec. A. M. BALLANTYNE, B.SC., PH.D.; publs. *Journal* (monthly), *Aeronautical Quarterly, Data Sheets.*

Society of Dyers and Colourists: Dean House, 19 Piccadilly, Bradford, 1, Yorks.; f. 1884 to promote the advancement of science and technology, especially in the theory and practice of the tinctorial arts; approx. 3,400 mems.; Pres. GEORGE H. CARNALL, F.C.I.S.; Gen. Sec. J. W. NICHOLLS, F.C.I.S.; publ. *Journal of the Society of Dyers and Colourists* (monthly).

Society of Glass Technology: "Thornton", 20 Hallam Gate Road, Sheffield, 10; f. 1916 to promote the asssociation of persons interested in glass technology; approx. 1,400 mmes.; Hon. Sec. and Editor Prof. R. W. DOUGLAS, D.SC., F.INST.P., F.S.G.T.; Asst. Sec. D. HAWKSWORTH; publs. *Glass Technology, Physics and Chemistry of Glasses* (bi-monthly).

Television Society: f. 1927 for the furtherance of the science and practice of television; over 1,400 mems.; Pres. Sir HAROLD BISHOP; Chair. R. C. HARMAN, O.B.E.; Sec. C. A. MARSHALL, B.SC., A.M.I.E.E.; publ. *Journal* (quarterly).

Textile Institute: 10 Blackfriars Street, Manchester, 3; f. 1910; Royal Charter 1925 and 1955, to secure closer contact between scientific and practical men in the textile industry, to promote the profession and practice of textile technology, to promote and encourage technical training and education in the industry, and to constitute an authority for the determination and recognition of technical and trade standards, usages, terms and definitions for the industry; 7,700 mems.; Pres. Prof. J. B. SPEAKMAN, C.B.E., D.SC., F.R.I.C., F.T.I. (Hon.), F.S.D.C.; Gen. Sec. D. B. MOORE, B.A., A.M.B.I.M.; publs. *Journal* (monthly), *Year Book, Annual Review of Textile Progress*, etc.

TOWN AND COUNTRY PLANNING

Association for the Preservation of Rural Scotland: 15 Rutland Square, Edinburgh, 1; f. 1927 to protect the amenities of the Scottish countryside, particularly in regard to modern development, advertising, hydro-electric development, etc., and to encourage the planting and preservation of trees; Hon. Pres. The Rt. Hon. The Earl of HADDINGTON, K.T., M.C.; Pres. The Rt. Hon. The Earl of GALLOWAY; Sec. K. MACRAE, W.S.

Commons, Open Spaces and Footpaths Preservation Society: 11 King's Bench Walk, London, E.C.4; f. 1865; 3,500 mems. Chair Sir FELIX BRUNNER, Bt.; Sec. Miss B. K. SEARLE; publ. *Quarterly Journal.*

London Society: 3 Dean's Yard, London, S.W.1; f. 1912 to stimulate a wider concern for the beauty of the capital city, the preservation of its charms and the careful consideration of its development; approx. 750 mems., Pres. Rt. Hon. Viscount ESHER, G.B.E.; Chair. Exec. Cttee. W. R. HORNBY STEER, D.L.; Hon. Sec. Miss E. BRIGHT ASHFORD, B.A.; publ. *The London Society Journal* (from four or five times a year).

National Housing and Town Planning Council Inc.: 42 Devonshire Street, London, W.1; est. 1900 as the National Housing Reform Council to secure the abolition of unhealthy and socially undesirable houses; to promote the principle of sound town and country planning; and to disseminate information as to the improvement of the housing conditions of the people and the best standards of planning; 1,250 mems.; Gen. Sec. A. R. KERRELL-VAUGHAN, D.P.A., HON. A.T.P.I., F.I.HSG.; publs. *The British Housing and Planning Review* (bi-monthly), *British Housing and Planning Year Book.*

National Trust for Places of Historic Interest or Natural Beauty: 42 Queen Anne's Gate, London, S.W.1; f. 1895 for the purpose of promoting the permanent preservation of, and public access to, land of natural beauty and buildings of historic interest; list of properties available at above address; 100,000 mems.; Sec. J. F. W. RATHBONE; publs. *List of Properties, Annual Report, News Bulletin.*

National Trust for Scotland: 5 Charlotte Square, Edinburgh 2; promotes the preservation of places of historical or architectural interest or natural beauty in Scotland; Sec. J. C. S. DARLING.

Oxford Preservation Trust: The Painted Room, 3 Cornmarket Street, Oxford; f. 1927 to combine together Oxford City and University, Oxfordshire, and Berkshire to work for the beauty of Oxford and its surroundings; *c.* 1,250 mems.; Hon. Pres. Rt. Hon. HAROLD MACMILLAN, P.C., M.P.; Chair. Viscount HARCOURT, K.C.M.G., O.B.E.; Sec. I. LLOYD PHILLIPS, O.B.E., M.A.; publ. *Oxford Preservation Annual Report.*

Town and Country Planning Association: 28 King Street, London, W.C.2; f. 1899 to further the cause of town and country planning, decentralisation of overcrowded areas, and the creation of new self-contained towns; 2,000 mems.; Chair. of Exec. PETER SELF, M.A.; Dir. WYNDHAM THOMAS; publ. *Town and Country Planning* (monthly).

Town Planning Institute: 18 Ashley Place, London, S.W.1; f. 1914; Pres. C. D. BUCHANAN, B.SC., M.T.P.I., A.M.I.C.E., A.R.I.B.A.; Sec. PHILIP R. RATHBONE, B.A.; publ. *Journal* (10 issues a year).

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RESEARCH INSTITUTES

Agriculture, Biology, Horticulture

Agricultural and Horticultural Research Station (University of Bristol): Long Ashton, Bristol; f. 1903 as National Fruit and Cider Institute, which was in 1912 incorporated in the Research Station; research into fruit culture and related subjects, control of diseases of agricultural and horticultural crops, and into domestic preservation of fruit, vegetables and meat; Dir. Prof. H. G. H. Kearns, O.B.E., B.SC., PH.D.; Sec. A. L. Leggett, A.C.A.; publ. *Annual Report.*

Agricultural Research Council: Cunard Building, 15 Regent Street, London, S.W.1; f. by Royal Charter in 1931; under a committee of Privy Council for Agricultural Research; Chair. His Grace The Duke of Northumberland, K.G., T.D.; Sec. E. G. Cox, T.D., D.SC., F.INST.P., F.R.I.C., F.R.S.

The Council controls the following institutes and units:

A.R.C. Animal Breeding Research Organisation: 6 South Oswald Road, Edinburgh, 9; Dir. H. P. Donald, D.SC., PH.D., F.R.S.E.

A.R.C. Field Station: Compton, nr. Newbury, Berks., Dir. W. S. Gordon, C.B.E., PH.D., M.R.C.V.S., F.R.S.E;

A.R.C. Institute of Animal Physiology: Babraham. Cambridge; Dir. J. H. Gaddum, M.A., SC.D., M.R.C.S., L.R.C.P., F.R.S., F.R.S.E.

A.R.C. Poultry Research Centre: King's Buildings, West Mains Road, Edinburgh, 9; Dir. Dr. T. C. Carter, O.B.E., D.SC., F.R.S.E.

A.R.C. Radiobiological Laboratory: Letcombe Regis, Wantage, Berks.; Dir. R. Scott Russell, M.A., M.SC., PH.D.

A.R.C. Plant Growth Substance and Systemic Fungicide Unit: Wye College, Ashford, Kent; Hon. Dir. Prof. R. L. Wain, D.SC., PH.D., F.R.I.C., F.R.S.

A.R.C. Unit of Plant Physiology: Imperial College of Science and Technology, Prince Consort Road, London, S.W.1; Dir. Prof. Helen K. Porter, D.SC., F.R.S.

A.R.C. Unit of Plant Morphogenesis and Nutrition: Wye College, Ashford, Kent; Dir. F. J. Richards, D.SC., F.R.S.

A.R.C. Statistics Group: School of Agriculture, Cambridge; Under supervision of R. C. Campbell, M.A., PH.D.

A.R.C. Unit of Animal Genetics: King's Buildings, West Mains Road, University of Edinburgh; Hon. Dir. Prof. C. H. Waddington, C.B.E., M.A., SC.D., F.R.S.

A.R.C. Unit of Biometrical Genetics: Department of Genetics, University of Birmingham, Edgbaston, Birmingham, 15; Hon. Dir. Prof. K. Mather, C.B.E., D.SC., PH.D., F.R.S.

A.R.C. Unit of Embryology: University College of North Wales, Bangor, Caerns.; Hon. Dir. Prof. F. W. Rogers Brambell, B.A., D.SC., PH.D., F.R.S.

A.R.C. Unit of Experimental Agronomy: Department of Agriculture, University of Oxford; Hon. Dir. Prof. G. E. Blackman, M.A., F.R.S.

A.R.C. Unit of Insect Physiology: Department of Zoology, Downing Street, Cambridge; Dir. Prof. V. B. Wigglesworth, C.B.E., M.A., M.D., B.CH., F.R.S.

A.R.C. Unit of Microbiology: Department of Microbiology, The University, Sheffield, 10; Hon. Dir. Prof. S. R. Elsden, B.A., PH.D.

A.R.C. Unit of Reproductive Physiology and Biochemistry: Molteno Institute, Cambridge; Dir. T. R. R. Mann, C.B.E., M.D., SC.D., PH.D., F.R.S.

A.R.C. Unit of Soil Physics: School of Agriculture, Cambridge; Dir. E. C. Childs, SC.D., PH.D.

A.R.C. Unit of Statistics: University of Aberdeen, Meston Walk, Old Aberdeen; Dir. D. J. Finney, M.A., SC.D., F.R.S., F.R.S.E.

A.R.C. Virus Research Unit: Huntingdon Road, Cambridge; Dir. R. Markham, M.A., PH.D., F.R.S.

A.R.C. Farm Buildings Unit: Wrest Park Lodge, Silsoe, Beds.; Hon. Dir. W. H. Cashmore, C.B.E., B.A., N.D.A.

Ditton Laboratory: Larkfield, Maidstone, Kent; Dir. R. A. Tomkins, M.A., PH.D., M.INST.R.

Low Temperature Research Station: Downing Street, Cambridge; Dir. E. C. Bate-Smith, SC.D., PH.D., M.INST.R., F.L.S.

Pest Infestation Laboratory: London Road, Slough, Bucks.; Dir. G. V. B. Herford, C.B.E., M.SC.

Weed Research Organisation: Begbroke Hill, Kidlington, near Oxford; Dir. E. K. Woodford, O.B.E., M.SC., PH.D., D.I.C.

Anti-Locust Research Centre: 1 Princes Gate, Kensington, London, S.W.7; set up in 1945 under the Colonial Office; transferred to Department of Technical Co-operation 1961; conducts and fosters research on locusts and grasshoppers and co-ordinates and disseminates information concerning them; promotes technical co-operation in locust research and assists overseas governments and organisations to introduce rational strategies and techniques of control; provides research and training facilities for visiting scientists and students; advises British Government on locust and grasshopper problems; Dir. P. T. Haskell, PH.D.; publs. *Anti-Locust Bulletin* and *Memoirs.*

Central Veterinary Laboratory (Ministry of Agriculture, Fisheries and Food): New Haw, Weybridge, Surrey; f. 1917 for the investigation and control of diseases in animals; joint library with Commonwealth Bureau of Animal Health (5,000 vols., 550 periodicals); Dir. H. I. Field, M.SC., M.R.C.V.S.; Laboratory Sec. G. C. Hampson; Librarian D. E. Gray, F.L.A.

Commonwealth Agricultural Bureaux: Farnham House, Farnham Royal, Bucks.; f. in 1929 as the Imperial Agricultural Bureaux by agreement among the Governments of the British Commonwealth to act as effective clearing-houses for the interchange of information of value to research workers in agricultural sciences and forestry; each Bureau is an information service for scientists throughout the World; there are in all 13 separate centres (*see* below) under the control of the Exec. Council; Chair. W. G. Alexander, C.B.E.; Vice-Chair. J. B. Marshall, PH.D.; Sec. Sir Thomas Scrivenor, C.M.G.

Commonwealth Institute of Entomology: British Museum of Natural History, Cromwell Road, London, S.W.7; f. 1913 for the collection, co-ordination, and dissemination of all information bearing upon injurious and useful insects and other arthropods; undertakes identifications; Dir. E. O. Pearson, M.A., A.I.C.T.A.; publs. *Bulletin of Entomological*

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Research (quarterly), *Review of Applied Entomology* (monthly), *Distribution Maps of Pests* (18 yearly).

Commonwealth Mycological Institute: Ferry Lane, Kew, Surrey; f. 1920 for the collection and dissemination of information on the fungal, bacterial, virus, physiological and soil disorders of plants and on all deleterious fungi of economic importance; undertakes identifications; Dir. J. C. F. HOPKINS, C.M.G., D.SC., A.I.C.T.A., M.I.BIOL.; publs. *Review of Applied Mycology* (monthly), *Distribution Maps of Plant Diseases* (two each month), *Index of Fungi* (twice a year), *Review of Medical and Veterinary Mycology* (quarterly), *Commonwealth Phytopathological News* (quarterly), *Mycological Papers* (irregular), *Phytopathological Papers* (irregular).

Commonwealth Institute of Biological Control: Gordon Street, Curepe, Trinidad, W.I.; f. 1927 as the Farnham House (Slough) Laboratory of the Imperial Institute of Entomology; transferred to Canada 1940; its purpose is the biological control of injurious insects and noxious weeds, and the collection and distribution throughout the British Commonwealth of beneficial parasites with which to attack the harmful ones; Dir. F. J. SIMMONDS, M.A., PH.D., D.SC.; publ. *A Catalogue of the Parasites and Predators of Insect Pests.*

Commonwealth Bureau of Animal Breeding and Genetics: The King's Buildings, West Mains Road, Edinburgh, 9; f. 1929 for the collection and abstracting of the world's literature on the breeding and the genetics of animals, and for the dissemination of this information throughout the world; Dir. J. P. MAULE, M.A., DIP.AGRIC.(CANTAB.), A.I.C.T.A., F.R.S.E.; publ. *Animal Breeding Abstracts* (quarterly).

Commonwealth Bureau of Animal Health: Central Veterinary Laboratory, New Haw, Weybridge, Surrey; f. 1929 for the collection and abstracting of the world's literature in connection with the various aspects of veterinary science, and for the dissemination of this information throughout the world; Dir. M. CRAWFORD, M.R.C.V.S.; publs. *Index Veterinarius* (quarterly), *The Veterinary Bulletin* (monthly).

Commonwealth Bureau of Animal Nutrition: Rowett Research Institute, Bucksburn, Aberdeen; f. 1929 to collect and abstract the world's literature in the field of human and animal nutrition, and to disseminate this information throughout the World; Dir. D. HARVEY, M.A., B.SC., PH.D.; publs. *Nutrition Abstracts and Reviews* (quarterly).

Commonwealth Bureau of Dairy Science and Technology: Shinfield, near Reading, Berks.; f. 1938 for the collection, collation, and distribution of scientific and technological information on dairy husbandry, milk and milk products, and the economics, physiology, microbiology, chemistry and physics of diarying for the benefit of research workers, teachers, advisory officers, etc.; Dir. E. J. MANN, N.D.D., C.D.D.; publs. *Dairy Science Abstracts* (monthly), review articles and others occasionally.

Commonwealth Forestry Bureau: at Commonwealth Forestry Institute, South Parks Road, Oxford; f. 1938 for the collection and abstracting of the world's literature on forestry, forest products and their utilisation, and for the dissemination of this information throughout the World; Dir. F. C. FORD ROBERTSON, O.B.E., M.A., B.SC.; publ. *Forestry Abstracts* (quarterly).

Commonwealth Bureau of Helminthology: The White House, 103 St. Peter's Street, St. Albans, Herts.; f. 1929; collates world research literature on helminth parasites of animals and plants, with reference particularly to those of economic importance; Dir. Miss S. M. WILLMOTT, PH.D.; publ. *Helminthological Abstracts* (quarterly).

Commonwealth Bureau of Horticulture and Plantation Crops: East Malling Research Station, near Maidstone, Kent; f. 1929 as a clearing-house of information on investigations into problems affecting horticulture and plantation crops throughout the world; Dir. G. K. ARGLES, DIP.HORT.(WYE), A.I.C.T.A.; publs. *Horticultural Abstracts* (quarterly).

Commonwealth Bureau of Pastures and Field Crops: Hurley, nr. Maidenhead, Berks.; f. 1929 to collect, abstract and distribute information on research and developments throughout the world relating to grass and grasslands, crops and plants grown or used for fodder, and (since 1947) annual field crops; current periodicals and reports published in many languages are constantly scrutinised and abstracts of important articles or papers are prepared from them by a whole-time qualified staff; Dir. A. G. G. HILL, B.A., AGR.B., B.SC.; publs. *Herbage Abstracts, Field Crop Abstracts* (both quarterly).

Commonwealth Bureau of Plant Breeding and Genetics: School of Agriculture, Cambridge; f. 1929 to abstract and review current literature on the breeding and genetics of plants of economic importance and relevant publications in allied fields, plant pathology, applied statistics, and other sciences, and to maintain an information service on these subjects; Dir. P. S. HUDSON, O.B.E., PH.D.; publ. *Plant Breeding Abstracts* (quarterly).

Commonwealth Bureau of Soils: Rothamsted Experimental Station, Harpenden, Herts.; f. 1929 for the collection and dissemination of information from all sources on soil, whether as the nurse of growing crops, the raw material for a road, or from purely physical and chemical aspects; Dir. G. V. JACKS, M.A.; publs. *Soils and Fertilizers* (alternate months), *Bibliography of Soil Science, Fertilizers and General Agronomy* (triennial).

Commonwealth Forestry Institute: University of Oxford, South Parks Road, Oxford; f. 1924 for research and higher studies in forestry; Dir. Prof. M. V. LAURIE, O.B.E., M.A.

East Malling Research Station: East Malling, Maidstone, Kent; f. 1913 for the promotion of experiments in horticulture; Dir. F. R. TUBBS, C.B.E., M.SC., PH.D., A.R.C.S., D.I.C., F.L.S.; publs. *Annual Report, Journal of Horticultural Science.*

Glasshouse Crops Research Institute: Worthing Road, Rustington, Littlehampton, Sussex; Dir. F. W. TOOVEY, O.B.E., B.SC., A.R.C.S., A.I.C.T.A.

Grassland Research Institute: Hurley, nr. Maidenhead, Berks.; Dir. WILLIAM DAVIES, D.SC.(WALES), HON.D.SC.(N.Z.).

Hill Farming Research Organisation: 48 Palmerston Place, Edinburgh 12; research on hill utilisation, hill sheep production and soil nutrition.

Hop Research Centre: Wye College, Ashford, Kent; Officer-in-Charge H. S. DARLING, B.SC., M.AGRIC., PH.D., A.I.C.T.A., M.I.BIOL.

Houghton Poultry Research Station: Houghton, Huntingdon; Dir. R. F. GORDON, D.SC., M.R.C.V.S.

Institute of Animal Genetics: *see* Commonwealth Bureau of Animal Breeding and Genetics (col. 1).

John Innes Institute: Bayfordbury, Hertford, Herts.; f. 1910 by private bequest, now grant-aided; for research in genetics, plant breeding, cell biology, and applied physiology; Dir. K. S. DODDS, D.SC., PH.D.

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Macaulay Institute for Soil Research, The: Craigiebuckler, Aberdeen; there are seven main departments: pedology, soil survey, biochemistry, spectrochemistry, plant physiology (including radioactive studies), microbiology and soil fertility; also section on statistics; Dir. A. B. STEWART, M.B.E., M.A., B.SC., PH.D., F.R.I.C., F.R.S.E.

Marine Biological Station (University of Liverpool): Port Erin, Isle of Man; f. 1885; marine zoology, botany and hydrography; public aquarium and fish hatchery; Dir. J. S. COLMAN, M.A.; publ. *Annual Report.*

National Institute for Research in Dairying: Shinfield, Reading, Berks.; f. 1912 for the investigation of problems in dairying and allied subjects; more than 19,000 vols. and 30,000 pamphlets in library; Sec. J. C. F. COLES; publ. *Annual Report.*

National Institute of Agricultural Botany: Huntingdon Road, Cambridge; f. 1919 to promote the improvement of existing varieties of seeds, plants and crops in the United Kingdom; includes the Official Seed Testing Station for England and Wales, and other branches which are particularly concerned with crop variety testing, seed multiplication, seed certification and seed production techniques; 4,200 mems.; Dir. F. R. HORNE, C.B.E., M.A., N.D.D.; publs. *Annual Report, Journal,* and leaflets.

National Institute of Agricultural Engineering: Wrest Park, Silsoe, Beds.; Dir. W. H. CASHMORE, C.B.E., B.A., N.D.A., C.I.MECH.E., M.I.AG.E.

National Vegetable Research Station: Wellesbourne, Warwick; Dir. J. PHILP, B.SC., PH.D.

Plant Breeding Institute: Maris Lane, Trumpington, Cambridge; Dir. G. D. H. BELL, PH.D.; publ. *Annual Report.*

Plant Pathology Laboratory: Hatching Green, Harpenden, Herts.; f. 1914; is an integral part of the Ministry of Agriculture, Fisheries and Food and its primary function is to advise the Minister on all matters relating to pests and diseases of plants, and to insecticides, herbicides and fungicides, their composition, toxic hazards and use; Dir. M. COHEN, M.SC., PH.D.

Poultry Genetics Station: School of Agriculture, Cambridge; Dir. D. G. GILMOUR, PH.D.

Research Institute (Animal Virus Diseases): Pirbright, Surrey; Dir. J. B. BROOKSBY, PH.D., D.SC., M.R.C.V.S.

Rothamsted Experimental Station: Harpenden, Herts.; f. 1843 for research in soil and plant growth; Rothamsted is also the headquarters of the Soil Survey of England and Wales and the Commonwealth Bureau of Soil Science (*q.v. above*); about 70,000 vols. in library; Scientific Staff 185; Dir. F. C. BAWDEN, F.R.S.; Sec. J. B. BENNETT, A.C.A.; Heads of Depts.: Physics, H. L. PENMAN, PH.D., F.R.S.; Chemistry, G. W. COOKE, PH.D.; Soil Microbiology, P. S. NUTMAN, PH.D.; Pedology, C. J. BLOOMFIELD, PH.D., F.R.I.C.; Botany, D. J. WATSON, PH.D.; Statistics, F. YATES, F.R.S.; Plant Pathology, P. H. GREGORY, D.SC., F.R.S.; Biochemistry, N. W. PIRIE, F.R.S.; Entomology, C. G. JOHNSON, D.SC.; Bees, C. G. BUTLER, PH.D.; Insecticides, C. POTTER, D.SC.; Nematology, F. G. W. JONES, M.A.; Field Experiments, G. V. DYKE, M.A.; Head of Farms, J. R. MOFFATT, B.SC.(AGRIC.); Librarian T. CAWLEY, B.A., A.L.A.; publs. *Memoirs, Annual Report, Investigations in the Laboratories, Guide to the Experimental Farms,* etc.

Rowett Research Institute: Bucksburn, Aberdeen; f. 1914 for research in animal nutrition and allied sciences; Dir. DAVID P. CUTHBERTSON, C.B.E., M.D., D.SC., Hon. D.SC.(Rutgers), LL.D., F.R.S.E.; Heads of Depts.: Protein Chemistry, R. L. M. SYNGE, B.A., PH.D., F.R.I.C., F.R.S.; Lipid Chemistry, G. A. GARTON, PH.D., D.SC.; Microbiological Chemistry, P. N. HOBSON, B.SC., PH.D., F.R.I.C., F.R.S.E.; Enzymology, G. A. LEVVY, PH.D., D.SC., F.R.I.C.; Pathology, J. J. BULLEN, PH.D., M.R.C.V.S.; Physiology, A. T. PHILLIPSON, M.A., PH.D., M.R.C.V.S., D.V.SC.(Hon.), F.R.S.E.; Applied Nutrition, J. A. CRICHTON, M.B.E., M.A., B.SC.(AGR.), F.R.S.E.; Statistics, A. W. BOYNE, B.SC.; Sec. J. BISHOP, A.C.I.S.; Duthie Experimental Stock Farm, H. DENERLEY, B.SC.(AGRIC.); Librarian J. C. R. YEATS, A.L.A.

Royal Botanic Garden: Edinburgh, 3; The National Botanic Garden of Scotland; f. *c.* 1660; Regius keeper Dr. H. R. FLETCHER; Herbarium of *c.* 2,000,000 specimens; Library of *c.* 30,000 vols. and 25,000 pamphlets; 3-year course leading to diploma or certificate in horticulture; publs. *Notes from the Royal Botanic Gardens, Edinbrugh, Monthly Notes.*

Royal Botanic Gardens: Kew, Richmond, Surrey; f. 1759 by Princess Augusta of Saxe-Gotha, Dowager Princess of Wales; became a National Botanic Garden 1841; Dir. Sir GEORGE TAYLOR, D.SC.; publs. *Kew Bulletin, Index Kewensis, Hooker's Icomes Plantarum, J. C. Willis,* a dictionary of the flowering plants and ferns, Lists of Plants cultivated in the Royal Botanic Gardens, Kew; library: *see* Libraries.

Scottish Plant Breeding Station: Pentlandfield, Roslin, Midlothian; Dir. J. W. GREGOR, PH.D., D.SC., F.R.S.E.; Sec. R. J. L. GALLIE, F.C.C.S.

Welsh Plant Breeding Station (University College of Wales): Plas Gogerddan, nr. Aberystwyth; f. 1919 for the study of the breeding, genetics, physiology, cytology and nutritive value of grasses, clovers, cereals, field beans and *Brassicae* crops; the production of improved varieties; the study of disease resistance, plant ecology, grassland agronomy and the general management and improvement of lowland and hill pastures; Dir. Prof. P. T. THOMAS, PH.D.

Wildfowl Trust: Slimbridge, Glos.; f. 1946; concerned with all aspects of the biology of the Anatidae, particularly those related to conservation; a large comparative collection of living wildfowl is maintained; Hon. Dir. PETER SCOTT, C.B.E., D.S.C.; Asst. Dir. (Res.) G. V. T. MATTHEWS, M.A., PH.D.

Woburn Experimental Station (Lawes Agricultural Trust): Husborne Crawley, Bletchley, Bucks.; f. 1876 for the investigation of manurial and other problems of British crops; Dir. F. C. BAWDEN, M.A., F.R.S.; Officer-in-Charge C. A. THOROLD, M.A., A.I.C.T.A., M.I.BIOL.; publ. *Annual Report.*

ART, THE ARTS

British Film Institute: 81 Dean Street, London, W.1; f. 1933; its aim is to encourage the development of the art of the film and television, to promote their use as a record of contemporary life and to foster their study and public appreciation; among its activities are the upkeep of the National Film Archive, which also preserves telerecordings, the direction of the National Film Theatre, and the running of an Information Dept., Lecture Service and Film Library; 40,000 mems. in 50 countries; in receipt of annual government grant; Dir. JAMES QUINN; Sec. STANLEY REED; publs. *Sight and Sound* (quarterly illustrated), *Contrast* (illustrate television quarterly), *Monthly Flim Bulletin.*

ECONOMICS, POLITICS

British Institute of Public Opinion: 211 Regent Street, London, W.1; f. 1936 to carry out opinion surveys and social surveys; Dir. HENRY DURANT, PH.D., B.SC. (ECON.).

Economic Research Council: 55 Park Lane, London, W.1; f. 1943 as a non-profit-making research and educational organisation in the field of economics and monetary

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practice; Chair. PATRICK DE LASZLO; Hon. Sec. EDWARD HOLLOWAY; publ. *Commonwealth Digest* (monthly).

National Institute of Economic and Social Research: 2 Dean Trench Street, Smith Square, London, S.W.1; f. 1938; Pres. S. P. CHAMBERS, C.B., C.I.E.; Dir. C. T. SAUNDERS, C.M.G.; Sec. Mrs. ANNE K. JACKSON; publs. *Economic and Social Studies, Occasional Papers, Annual Report, Economic Review* (quarterly).

P E P (*Political and Economic Planning*): 16 Queen Anne's Gate, London, S.W.1; f. 1931; a privately financed, non-party research body which studies questions of public interest and presents facts and the conclusions to which they seem to point in an objective and readable way; Chair. of Council Prof. Sir WILLIAM HOLFORD, A.R.A., F.R.I.B.A., M.T.P.I.; Dir. RICHARD BAILEY; publs. broadsheets (monthly) and large-scale reports.

Royal Institute of International Affairs: Chatham House, 10 St. James's Square, London, S.W.1; f. 1920 to facilitate the scientific study of international questions; mems., all categories, approx. 3,000; Pres. Rt. Hon. Earl ATTLEE, K.G., O.M., C.H.; Rt. Hon. Sir WINSTON S. CHURCHILL, K.G., O.M., C.H., M.P.; Rt. Hon. The Earl of AVON, K.G., M.C.; Chair. Lord STRANG, G.C.B., G.C.M.G., M.B.E.; Dir.-Gen. The Rt. Hon. KENNETH YOUNGER; Dir. of Studies ANDREW SHONFIELD; Admin. Sec. Lt.-Col. G. F. KUP, O.B.E.; affiliated Institutes in Canada, Australia, New Zealand, Pakistan, Ceylon, Singapore and Nigeria; publs. *Survey of International Affairs* (annually), *British Year Book of International Law* (annually), *International Affairs* (quarterly), *The World Today* (monthly), individual studies, *Memoranda*, and study group reports (irregularly); library: *see* Libraries.

EDUCATION

National Foundation for Educational Research in England and Wales: 79 Wimpole Street, London, W.1; f. 1945; to study methods of teaching and encourage co-operation between schools and other branches of education; Pres. The MINISTER OF EDUCATION; Chair. of Exec. Cttee. Sir WILFRID MARTINEAU, M.C., T.D., M.A.; Dir. W. D. WALL, B.A., PH.D.; publ. *Educational Research, Technical Education Abstracts, Current Researches in Educational Psychology.*

MEDICINE, NUTRITION, PUBLIC HEALTH

Asthma Research Council: 31 Throgmorton Street, London, E.C.2; f. 1927 to promote research into asthma and its allied disorders; Patron H.R.H. The Duke of GLOUCESTER; Pres. Her Grace The Duchess of SUTHERLAND; Chair. F. M. P. MAURICE; Hon. Treas. D. E. FRANKLIN.

British Institute of Radiology: 32 Welbeck Street, London, W.1; f. 1927, when the Röntgen Society was amalgamated with the B.I.R.; forms a centre for consultation on the medical, physical and biological applications of radiology; houses the Mackenzie Davidson Library, which was bequeathed to the B.I.R. in 1923; 1,200 mems.; Pres. C. W. WILSON, M.SC., PH.D., F.INST.P.; Hon. Secs. PHYLLIS WADE, M.B., B.S., D.M.R., H. MILLER, M.A., PH.D., F.INST.P.; publ. *The British Journal of Radiology.*

Bureau of Hygiene and Tropical Diseases: Keppel Street, London, W.C.1; f. 1908 as Sleeping Sickness Bureau; Dir. H. J. O'D. BURKE-GAFFNEY, O.B.E., O.ST.J., M.A., M.D.; Asst. Dir. F. I. C. APTED, M.B., B.S., D.T.M.&H. Sec. A. H. PHIPPS, B.COM.; publs. *Bulletin of Hygiene, Tropical Diseases Bulletin* (both monthly).

Chester Beatty Research Institute of the Institute of Cancer Research: Royal Cancer Hospital, Fulham Road, London, S.W.3; f. 1910; Dir. and Prof. of Experimental Pathology Prof. ALEXANDER HADDOW, M.D., D.SC., PH.D., F.R.S.; Prof of Chemistry Prof. F. BERGEL, D.PHIL.NAT., D.SC., F.R.S.; Prof. of Biochemistry Prof. E. BOYLAND, D.SC.; Prof. of Physical Chemistry Prof. J. A. V. BUTLER, D.SC., F.R.S.; Prof. of Cytogenetics Prof. P. C. KOLLER, D.SC.

Empire Rheumatism Council: Faraday House, 8-10 Charing Cross Road, London, W.C.2; f. 1936 to organise research into the causes and means of treatment of rheumatism, arthritis, fibrositis, and allied diseases, to encourage teaching, and to stimulate public authorities to provide treatment; Chair. Dr. W. S. C. COPEMAN, O.B.E., F.R.C.P.; Chair. of Scientific Co-ordinating Cttee. Prof. G. A. SMART, F.R.C.P.; Hon. Medical Sec. Dr. OSWALD SAVAGE, O.B.E., F.R.C.P.; Gen. Sec. M. C. G. ANDREWS.

Lister Institute of Preventive Medicine: Chelsea Bridge Road, London, S.W.1; Therapeutic Sera, Virus Vaccines and Bacterial Vaccines Departments, Elstree, Herts.; inc. 1891; Chair. Prof. Sir CHARLES DODDS, M.V.O., M.D., D.SC., P.R.C.P., F.R.S.; Dir. Prof. A. A. MILES, C.B.E., M.A., M.D., F.R.C.P., F.R.S.

Liverpool School of Tropical Medicine: Pembroke Place, Liverpool, 3; f. 1898 and received its Charter of Incorporation 1905; governed by a Council representative of the University of Liverpool and the merchants and shipowners of Liverpool; its objects are to train medical men proceeding to the tropics in tropical medicine and hygiene, to conduct original research into tropical diseases and their control, and to organise and conduct clinical and prophylactic measures against tropical diseases; Dean Prof. B. G. MAEGRAITH, M.A., M.B., B.S., B.SC., D.PHIL., F.R.C.P., F.R.C.P.E.; publ. *Annals of Tropical Medicine and Parasitology.*

Medical Research Council: 20 Park Crescent, London, W.1; inc. 1920; Chair. The Rt. Hon. Lord SHAWCROSS, Q.C.; Sec. Sir HAROLD HIMSWORTH, K.C.B., M.D., F.R.C.P., F.R.S.; Principal Medical Officers F. J. C. HERRALD, M.B., F.R.C.P.E., B. S. LUSH, M.D., M.R.C.P.; Principal Administrative Officer J. G. DUNCAN, M.A., LL.B.; Consultant Adviser to Sec. Sir CHARLES HARRINGTON, K.B.E., SC.D., F.R.S.

The Council's chief function is the promotion of research on all aspects of health and disease. The Council's arrangements for the support of research fall under three main headings:

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(*b*) research grants;
(*c*) research fellowships and scholarships.

The Council's own research activities are mainly undertaken in the following establishments:

National Institute for Medical Research: Mill Hill, London, N.W.7; Dir. P. B. MEDAWAR, C.B.E., D.SC., F.R.S.; divisions of biochemistry, chemotherapy, organic chemistry, bacterial physiology, physiology and pharmacology, human physiology, experimental biology, bacteriology and virus research, biophysics and optics, immunology, immunological products control, biological standards and engineering.

Unit for Research in Occupational Aspects of Ageing: Dept. of Psychology, University of Liverpool, Liverpool 7; Dir. ALASTAIR HERON, PH.D.

Air Pollution Research Unit: Dunn Laboratories, St. Bartholomew's Hospital, London, E.C.1; Dir. D. E. BROADBENT, M.A.

Atheroma Research Unit: Western Infirmary, Glasgow, W.1; Dir. B. BRONTE-STEWART, M.D., M.R.C.P.

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Unit for the Experimental Investigation of Behaviour: Dept. of Psychology, University College, London, W.C.1; Hon. Dir. Prof. G. C. DREW, M.A.

Biophysics Research Unit: King's College, London, W.C.2; Hon. Dir. Prof. Sir JOHN RANDALL, D.SC., F.R.S.

Blood Coagulation Research Unit: Churchill Hospital, Oxford; Dir. R. G. MACFARLANE, M.D., F.R.C.P., F.R.S. (part-time).

Blood Group Reference Laboratory: Lister Institute, London, S.W.1; administered by the Council for the Ministry of Health; Dir. A. E. MOURANT, D.M., D.PHIL., F.R.C.P.

Blood Group Research Unit: Lister Institute, London, S.W.1; Dir. R. R. RACE, PH.D., F.R.C.P., F.R.S.

Blood Products Laboratory: The Lister Institute of Preventive Medicine, Elstree, Herts.; Hon. Dir. W. d'A. MAYCOCK, M.B.E., M.D.

Body Temperature Research Unit: Department of the Regius Professor of Medicine, The Radcliffe Infirmary, Oxford; Hon. Dir. Prof. Sir GEORGE PICKERING, M.D., F.R.C.P., F.R.S.

Bone-Seeking Isotopes Research Unit: Church Hospital, Headington, Oxford; Hon. Dir. Dame JANET VAUGHAN, D.B.E., D.M., F.R.C.P.

Carcinogenic Substances Research Unit: Washington Singer Laboratories, University of Exeter; Hon. Dir. J. W. COOK, D.SC., F.R.S.

Cell Metabolism Research Unit: Dept. of Biochemistry, Oxford University; Hon. Dir. Prof. Sir HANS KREBS, M.D., D.SC., F.R.C.P., F.R.S.

Chemotherapy Research Unit: Molteno Institute, University of Cambridge; Dir. Miss A. BISHOP, SC.D., F.R.S.

Environmental Physiology Research Unit: London School of Hygiene and Tropical Medicine, London, W.C.1; Hon. Dir. J. S. WEINER, PH.D., M.R.C.S.

Department of Clinical Research: University College Hospital Medical School, London, W.C.1; Dir. E. E. POCHIN, C.B.E., M.D., F.R.C.P.

Common Cold Research Unit: Harvard Hospital, Salisbury; Medical Administrative Officer M. L. BYNOE, M.B., D.T.M. & H., D.OBST.R.C.O.G.

Cyclotron Unit: Hammersmith Hospital, London, W.12; Dir. D. D. VONBERG, B.SC.

Wernher Research Unit on Deafness: King's College Hosptial Medical School, London, S.E.5; Dir. T. S. LITTLER, PH.D., F.INST.P.

Dental Research Unit: Dental School, Bristol University, Bristol; Hon. Dir. Prof. A. I. DARLING, D.D.SC., F.D.S.R.C.S.

Clinical Endocrinology Research Unit: 2 Foryest Road, Edinburgh; Dir. J. A. LORRAINE, M.B., D.SC., F.R.C.P.E.

Unit for the Study of Environmental Factors in Mental and Physical Illness: London School of Economics, Houghton Street, London, W.C.2; Dir. J. W. B. DOUGLAS, B.A., B.SC., B.M.

Epidemiological Research Unit, Jamaica: University of the West Indies, Mona, St. Andrew, Jamaica, West Indies; Dir. W. E. MIALL, M.B.

Epidemiological Research Unit, South Wales: Llandough Hospital, Penarth, Glam.; Dir. Prof. A. L. COCHRANE, M.B.E., M.B., D.P.H.

Department of Experimental Medicine: University of Cambridge; Dir. Prof. R. A. MCCANCE, C.B.E., M.D., PH.D., F.R.C.P., F.R.S.

Medical Research Council Laboratories, Gambia: Fajara, near Bathurst, Gambia, W. Africa; Dir. A. I. MCGREGOR, O.B.E., M.R.C.P., D.T.M. & H.

Gastroenterology Research Unit: Central Middlesex Hospital, Acton Lane, London, N.W.10; Dir. E. N. ROWLANDS, M.D., B.SC., F.R.C.P.

Clinical Genetics Research Unit: Institute of Child Health, Hospital for Sick Children, London, W.C.1; Dir. J. A. FRASER ROBERTS, M.D., D.SC., F.R.C.P.

Experimental Genetics Research Unit: Dept. of Genetics, University College, London, W.C.1; Hon. Dir. Prof. H. GRUNEBERG, M.D., D.SC., F.R.S.

Human Biochemical Genetics Research Unit: Dept. of Biochemistry, King's College, London, W.C.2; Hon. Dir. Prof. H. HARRIS, M.A., M.D.

Microbial Genetics Research Unit: Dept. of Pathology, Hammersmith Hospital, London, W.12; Dir. W. HAYES, M.B., D.SC., F.R.C.P., D.PH.

Population Genetics Research Unit: Old Road, Headington, Oxford; Dir. A. C. STEVENSON, M.D., B.SC., F.R.C.P., D.PH.

Psychiatric Genetics Research Unit: Institute of Psychiatry, Maudlsey Hospital, Denmark Hill, London, S.E.5; Dir. E. T. O. SLATER, M.D., F.R.C.P., D.P.M. (part-time).

Experimental Haematology Research Unit: Wright Fleming Institute of Microbiology, St. Mary's Hospital, W.2; Dir. P. L. MOLLISON, M.D., F.R.C.P.

Industrial Injuries and Burns Research Unit: Birmingham Accident Hospital, Bath Row, Birmingham, 15; Dir. J. P. BULL, M.D., M.R.C.S.

Department for Research in Industrial Medicine: London Hospital, London, E.1; Physician-in-Charge D. HUNTER, C.B.E., M.D., D.SC., F.R.C.P. (part-time).

Laboratory Animals Centre: M.R.C. Laboratories, Carshalton, Surrey; Dir. W. LANE-PETTER, M.B.

Infantile Malnutrition Research Unit: Mulago Hospital, Kampala, Uganda; Dir. Prof. R. F. A. DEAN, PH.D., M.R.C.P.

Unit for Research on the Chemical Pathology of Mental Disorders: Dept. of Physiology, The University, Birmingham 15; Hon. Dir. Prof. I. E. BUSH, PH.D., M.B.

Metabolic Disturbances in Surgery Research Unit: Dept. of Urology, The General Infirmary, Leeds 1; Hon. Dir. Prof. L. N. PYRAH, CH.M., M.SC., F.R.C.S.

Laboratory of Molecular Biology: University Postgraduate Medical School, Cambridge; Chair. of Board M. F. PERUTZ, PH.D., F.R.S.

Mutagenesis Research Unit: Institute of Animal Genetics, West Mains Road, Edinburgh 9; Hon. Dir. Miss C. AUERBACH, D.SC., F.R.S.

Neuroendocrinology Research Unit: Dept. of Human Anatomy, Oxford; Dir. Prof. G. W. HARRIS, M.D., D.SC., F.R.S.

Neuropharmacology Research Unit: Dept. of Experimental Pyschiatry, The Medical School, Birmingham 15; Hon. Dir. P. B. BRADLEY, D.SC.

Neuropsychiatric Research Unit: M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey; Dir. D. RICHTER, PH.D., M.R.C.S.

Human Nutrition Research Unit: Nutrition Building, The Ridgeway, Mill Hill, London, N.W.7; Dir. Prof. B. S. PLATT, C.M.G., M.B., PH.D.

Dunn Nutritional Laboratory: Milton Road, Cambridge; Dir. L. J. HARRIS, SC.D., F.R.I.C.

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Obstetric Medicine Research Unit: University Medical School, Aberdeen; Hon. Dir. Prof. Sir DUGALD BAIRD, M.D., F.R.C.O.G., D.P.H.

Wernher Research Unit in Ophthalmological Genetics: Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2; Hon. Dir. Prof. A. SORSBY, M.D., F.R.C.S.

Otological Research Unit: National Hospital for Nervous Diseases, London, W.C.1; Dir. C. S. HALLPIKE, C.B.E., M.B., F.R.C.P., F.R.C.S., F.R.S.

Pneumoconiosis Research Unit: Llandough Hospital, Penarth, Glamorgan; Dir. J. C. GILSON, O.B.E., M.B., F.R.C.P.

Unit for Research on the Epidemiology of Psychiatric Illness: Dept. of Psychological Medicine, University of Edinburgh, 2 George Square, Edinburgh; Hon. Dir. Prof. G. M. CARSTAIRS, M.D., F.R.C.P.E., D.P.M.

Clinical Psychiatry Research Unit: Graylingwell Hospital, Chichester; Dir. P. SAINSBURY, M.D., D.P.M.

Social Psychiatry Research Unit: Institute of Psychiatry, Maudsley Hospital, London, S.E.5; Hon. Dir. Prof. Sir AUBREY J. LEWIS, M.D., F.R.C.P.

Applied Psychology Research Unit: 15 Chaucer Road, Cambridge; Dir. D. E. BROADBENT, M.A.

Industrial Psychology Research Unit: University College, London, W.C.1; Hon. Dir. Prof. G. C. DREW, M.A.

Clinical Effects of Radiation Research Unit: Dept. of Radiotherapy, Western General Hospital, Crewe, Road, Edinburgh; Dir. W. M. COURT BROWN, O.B.E., M.B., B.SC., F.F.R.

Environmental Radiation Research Unit: Dept. of Medical Physics, The General Infirmary, Leeds 1; Hon. Dir. Prof. F. W. SPIERS, C.B.E., D.SC.

Radiobiological Research Unit: M.R.C., Harwell, Didcot, Berks.; Dir. J. F. LOUTIT, C.B.E., D.M., F.R.C.P.

Radiological Protection Service: (jointly with the Ministry of Health), Clifton Avenue, Belmont, Sutton, Surrey; Dir. W. BINKS, M.SC., F.INST.P.

Experimental Radiopathology Research Unit: Hammersmith Hospital, London, W.12; Dir. Miss T. ALPER, M.A., M.S.(ED.).

Rheumatism Research Unit: Bath Central Research Laboratory, Manor Hospital, Bath; Hon. Sec. J. A. COSH, M.D., M.R.C.P.

Rheumatism Research Unit: Canadian Red Cross Memorial Hospital, Taplow, Maidenhead, Berks.; Hon. Dir. Prof. E. G. L. BYWATERS, M.A.B., F.R.C.P.

Unit for Research on the Experimental Pathology of the Skin: Dept. of Experimental Pathology, The Medical School, The University, Birmingham 15; Dir. C. N. D. CRUICKSHANK, M.D.

Social Medicine Research Unit: London Hospital, London, E.1; Dir. Prof. J. N. MORRIS, M.A., F.R.C.P., D.P.H., D.C.H.

Statistical Research Unit: University College Hospital Medical Schooll, 115 Gower Street, London, W.C.1; Dir. W. R. S. DOLL, O.B.E., M.D., D.SC., F.R.C.P.

Chemical Pathology of Steriods Research Unit: Jessop Hospital for Women, Sheffield 3; Dir. J. K. NORYMBERSKI, DR.ING.

Toxicology Research Unit: M.R.C. Laboratories, Carshalton, Surrey; Dir. J. M. BARNES, C.B.E., M.B., M.R.C.S.

Trachoma Research Unit: Lister Institute, London, S.W.1; and M.R.C. Laboratories, Gambia; Hon. Dir. L. H. COLLIER, M.D.

Tropical Metabolism Research Unit: University of the West Indies, Jamaica, B.W.I.; Dir. Prof. J. C. LOW, M.D., M.R.C.P.

Tuberculosis Reseach Unit: Medical Research Laboratories, Hampstead, London, N.W.3; Dir. P. D'ARCY HART, C.B.E., M.D., F.R.C.P.

Unit for Research on Drug Sensitivity in Tuberculosis Research: Dept. of Bacteriology, Postgraduate Medical School of London, London, W.12; Hon. Dir. D. A. MITCHISON, M.B.

Virus Research Unit: M.R.C. Laboratories, Carshalton, Surrey; Dir. F. KINGSLEY SANDERS, D.PHIL.

Experimental Virus Research Unit: Institute of Virology, Church Street, Glasgow, W.1; Hon. Dir. Prof. M. G. P. STOKER, M.D.

Vision Research Unit: Institute of Ophthalmology, Judd Street, London, W.C.1; Dir. H. J. A. DARTNALL, D.SC.

Mount Vernon Hospital and the Radium Institute: Rickmansworth Road, Northwood, Middx.; General Hospital, including regional centres for radiotherapy, and plastic centre and jaw injuries; Sec. L. BAMFORD, A.H.A.

Nuffield Institute of Comparative Medicine: The Zoological Society of London, Regent's Park, London, N.W.1; Dir. L. G. GOODWIN, M.B., B.S., B.PHARM., B.SC.

Ross Institute of Tropical Hygiene: Keppel Street, London, W.C.1; f. 1926 as a memorial to the late Sir Ronald Ross; it has since 1934 been a Dept. of the London School of Hygiene and Tropical Medicine; its objects are the teaching of tropical hygiene, the promotion of public health schemes in the tropics, particularly in relation to industry, and research both at home and in the field overseas; Chair. The Lord TWINING, G.C.M.G., M.B.E.; Dir. Prof. G. MACDONALD, C.M.G., M.D., F.R.C.P., D.P.H., D.T.M.; Organising Sec. L. G. PONSFORD, LL.B.

Royal Institute of Public Health and Hygiene, The: 28 Portland Place, London, W.1; Laboratories, 23 Queen Square, London, W.C.1; f. as R.I.P.H. 1886, I.H. 1903, amalgamated 1937; approx. 2,600 mems.; Sec. A. R. HORSHAM, F.C.I.S.; publ. *Journal* (monthly).

Royal Society of Health: 90 Buckingham Palace Road, London, S.W.1; f. 1876 to promote the health of the people; 30,000 mems.; Patron H.M. THE QUEEN; Pres. The Rt. Hon. The Lord COHEN of BIRKENHEAD; Sec. P. ARTHUR WELLS, M.A., M.SC., F.C.C.S., F.INST.P., Hon. F.A.P.H.A.; publs. *Journal* (bi-monthly).

Strangeway Research Laboratory: Wort's Causeway, Cambridge; research into nutrition, endocrinology, cytochemistry, radiobiology, microbiology; Dir. HONOR B. FELL, O.B.E., D.SC., PH.D., LL.D., M.A., F.R.S.; publ. *Annual Report.*

Tavistock Institute of Human Relations: 3 Devonshire Street, London, W.1; the Institute studies human relations in conditions of well-being, conflict or breakdown, in the family, the work group and the larger organisation, and studies and research in psychological medicine form an important part of its activities; Sec. S. G. GRAY, F.C.C.I., F.C.C.S.

Wellcome Laboratories of Tropical Medicine: The Wellcome Building, Euston Road, London, N.W.1; Head O. D. STANDEN, D.SC., M.SC.

Wellcome Research Laboratories: Langley Court, Beckenham, Kent; Dir. H. W. MULLIGAN, C.M.G., M.D., D.SC.

Wellcome Veterinary Research Station: Ely Grange, Frant, Sussex; Head S. L. HIGNETT, B.SC., M.R.C.V.S.

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METEOROLOGY, ASTRONOMY, OCEANOGRAPHY

Cambridge University Observatories: Madingley Road, Cambridge; Observatory f. 1824; Solar Physics Observatory f. 1913; work on solar physics, astrophysics and optics; Dir. Prof. R. O. REDMAN, F.R.S.

Meteorological Office: London Road, Bracknell, Berks.; f. 1855; a state institution; Dir. Gen. Sir GRAHAM SUTTON, C.B.E., D.SC., LL.D., F.R.S.; publs. weather reports, *Geophysical Memoirs, Scientific papers, Meteorological Magazine, Marine Observer, Observatories' Year Book*, etc.

National Institute of Oceanography: Wormley, nr. Godalming, Surrey; practical and theoretical studies directed towards problems in fluid dynamics relating to oceanic circulation and wave motion; the main emphasis of the work is on long term research needed to improve understanding of the basic physical and biological processes in the sea.

Nuffield Radio Astronomy Laboratories: Jodrell Bank (University of Manchester): Lower Withington, Macclesfield, Cheshire; the station has the largest steerable radio telescope in the world; the parabolic reflecting bowl is 250 ft. wide and can be directed to follow any part of the sky; the weight of the instrument, which rotates in railway tracks, is 2,000 tons; work includes research on the galactic and extra-galactic radio emissions, including measurements of the size of radio sources; radar observations have been made of the earth satellites, the moon and Venus. In the spring and summer of 1960 the telescope was used to control and track the space probe *Pioneer V* out to a distance of more than 20 million miles and in December 1962 the space probe Mariner II was tracked to a distance of 36 million miles; Dir. Prof. Sir BERNARD LOVELL, O.B.E., F.R.S.

Royal Greenwich Observatory: Herstmonceux Castle, Sussex; f. 1675 at Greenwich; Astronomer Royal Sir RICHARD VAN DER RIET WOLLEY, M.SC., PH.D., F.R.S.; publs. various reports of observations.

Royal Observatory: Edinburgh, 9; f. 1818; Government observatory which also houses the Dept. of Astronomy of the Edinburgh University; Astronomer Royal for Scotland Prof. H. A. BRÜCK, D.PHIL., PH.D., F.R.S.E.; research and teaching in Astrophysics, Stellar Astronomy and Seismology; publs. *Publications, Communications* and papers.

Scottish Marine Biological Association: Marine Station, Scotland, Millport, Isle of Cumbrae; also oceanographic laboratory in Edinburgh; oceanographic research.

University of Liverpool Tidal Institute and Observatory: The Observatory, Birkenhead, Cheshire; Observatory f. 1845, Tidal Institute 1919, amalgamated 1929, university department 1960; study of tides in all aspects, geophysical studies, expecially storm surges, earth tilts and mean sea level; Dir. J. R. ROSSITER, D.SC.

University of London Observatory: Mill Hill Park, London, N.W.7; f. 1929; teaching and research in astronomy; Dir. Prof. C. W. ALLEN, D.SC.

University Observatory: Oxford; teaching and research in astronomy and astrophysics, with particular reference to solar phsyics; Dir. D. E. BLACKWELL.

PHILOLOGY

Orthological Institute: 10 King's Parade, Cambridge; f. 1927; conducts research on signs, symbols, and the normative science of language.

PHILOSOPHY, PSYCHOLOGY

Burden Neurological Institute: Stoke Lane, Stapleton, nr. Bristol; f. 1939 to conduct research in neurology and psychiatry; library of 4,000 vols.; Dir. W. Ross ASHBY, M.D., D.P.M.

Institute for the Study and Treatment of Delinquency: 8 Bourdon Street, Davies Street, London, W.1; f. 1931 to initiate and promote scientific research into the causes and prevention of crime; founder of the Portman Clinic, an out-patient clinic for diagnosis and treatment of delinquents, with an advisory service to courts. 900 mems.; Pres. Lord CHORLEY, M.A., J.P., Q.C.; Chair. of Council and Scientific Cttee. Dr. E. GLOVER, LL.D., M.D.; Gen. Sec. Miss E. SAVILLE; publs. *British Journal of Criminology* (quarterly), *Annual Report*, monographs and pamphlets.

Royal Institute of Philosophy: 14 Gordon Square, London, W.C.1; f. 1925; 1,000 mems.; Southern California centre f. 1961; Pres. The Rt. Hon. The Earl of HALSBURY, F.R.I.C., F.INST.P.; Chair. Sir W. DAVID ROSS, K.B.E., LITT.D., LL.D., F.B.A.; Sec. JOAN M. JOYCE, F.R.S.A.; publ. *Philosophy* (quarterly).

PHYSICS AND NUCLEAR PHYSICS

National Institute for Research in Nuclear Science: Rutherford High Energy Laboratory; Atlas Computer Laboratory, Chilton, Berks.; Electron Laboratory, Liverpool; f. 1957 to provide facilities in the field of nuclear research which are beyond the scope of a single university; funds obtained through the vote of the United Kingdom Atomic Energy Authority; Chair. Lord BRIDGES OF HEADLEY; Gov. Board of fifteen; Dir. of the Rutherford Laboratory Dr. T. G. PICKAVANCE; Dir. Atlas Laboratory Dr. J. HOWLETT; Dir. of Electron Laboratory Prof. A. W. MERRISON.

SCIENCE (GENERAL)

British National Committee on Space Research: c/o The Royal Society, Burlington House, London, W.1; f. 1959 to co-ordinate British research and to co-operate with the (international) Committee on Space Research (COSPAR); Chair. Prof. Sir HARRIE MASSEY.

Department of Scientific and Industrial Research: State House, High Holborn, London, W.C.1; under charge of a Council for Scientific and Industrial Research by Act 58 of 1956.

Chairman of the Research Council: Sir HAROLD ROXBEE COX, D.SC., PH.D., M.I.MECH.E., F.R.AE.S.

Secretary: Sir HARRY MELVILLE, K.C.B., D.SC., LL.D., F.R.I.C., F.R.S.

The Department controls the following Research Laboratories and Stations:

Building Research Station: Garston, near Watford, Herts.; estd. 1921; Dir. F. M. LEA, C.B., C.B.E., D.SC., F.R.I.C., HON. A.R.I.B.A.; publs. *National Building Studies* (comprising bulletins, special reports, research papers), annual reports, and *B.R.S. Digests* and *Building Science Abstracts* (monthly), *Factory Building Studies, Tropical Building Studies.*

Fire Research Station: Boreham Wood, Elstree, Herts.; Dir. D. I. LAWSON, M.SC., F.INST.P., M.I.E.E.; joint research organisation of D.S.I.R. and the Fire Offices Committee; publs. *Annual Report, Special Reports, Technical Papers.*

Forests Products Research Laboratory: Princes Risborough, Aylesbury, Bucks.; est. 1925 for research on all aspects of timber; Dir. J. BRYAN, M.ENG., A.M.I.C.E.; publs. *Annual Report*, special reports, bulletins, records, leaflets.

Geological Survey and Museum of Practical Geology of Great Britain and Northern Ireland: Exhibition Road, London, S.W.7; f. 1835; forms, with the Geological Museum, a single institution administered by the D.S.I.R.; Dir. C. J. STUBBLEFIELD, D.SC., A.R.C.S., PH.D., F.G.S., D.I.C., F.R.S.; publs. *Geological*

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Maps, Memoirs, British Regional Geology Handboosk, Museum Catalogues, *Bulletin, Summary of Progress* (annual).

Humber Laboratory: Wassand Street, Hull; Officer-in-Charge G. H. O. BURGESS, PH.D.

Hydraulics Research Station: Howbery Park, Wallingford, Berks.; Dir. FERGUS ALLEN, M.A., M.A.I., M.I.C.E.; publs. *Annual Report, Research Papers, Special Reports.*

Laboratory of the Government Chemist: 13 Clement's Inn Passage, Strand, W.C.2; Government Chemist D. T. LEWIS, D.SC., PH.D., F.R.I.C.; publ. *Annual Report.*

National Chemical Laboratory: Teddington, Middlesex; est. 1925; Dir. J. S. ANDERSON, PH.D., F.R.S.; publ. *Annual Report.*

National Engineering Laboratory: East Kilbride, Glasgow; Dir. D. G. SOPWITH, C.B.E., B.SC., M.SC., WH.SCH., D.SC., M.I.MECH.E.; publ. *Annual Report.*

National Lending Library for Science and Technology: *see under* Libraries.

National Physical Laboratory: Teddington, Middlesex; f. 1900; Dir. Sir GORDON SUTHERLAND, M.A., SC.D., LL.D., F.R.S.; includes the Ship Hydrodynamics Laboratory at Feltham, Middx.; Supt. A. SILVERLEAF, B.SC., M.R.I.N.A.; publs. *Annual Report, Notes on Applied Science, Proceedings of Symposia.*

Radio Research Station: Ditton Park, Slough, Bucks; Dir. J. A. RATCLIFFE, C.B.E., F.R.S.; publs. *Annual Report, Special Reports.*

Road Research Laboratory: Harmondsworth, West Drayton, Middlesex; establ. 1933; research on road materials and construction, road traffic and safety; 30,000 books and pamphlets and 500 journals in library; Dir. Sir WILLIAM GLANVILLE, C.B., C.B.E., D.SC., PH.D., M.I.C.E., F.R.S.; publs. *Annual Reports, Text Books, Road Abstracts* (monthly), *Technical Papers* and *Road Notes.*

Torry Research Station: Aberdeen; Dir. G. A. REAY, C.B.E., PH.D., M.A., B.SC., F.R.S.E., F.R.I.C.; publs. *Annual Report, Leaflets, Special Reports* and *Technical papers.*

Tropical Products Institute: 56-62 Gray's Inn Road; Dir. E. S. HISCOCKS, M.SC., F.R.I.C.; publs. *Annual Reports, Technical Papers, Leaflets.*

Warren Spring Laboratory: Stevenage, Herts.; f. 1958; research on atmospheric pollution, synthesis of oils and chemicals from coal, and mineral processing; library of 10,000 vols.; Dir. S. H. CLARKE, C.B.E., M.SC.; publs. *Annual Report,* technical papers, reports on investigations of atmospheric pollution.

Water Pollution Research Laboratory: Elder Way, Stevenage, Herts.; f. 1927; Dir. B. A. SOUTHGATE, C.B.E., D.SC., B.A., PH.D., F.R.I.C., DIP.AGRIC., F.INST.S.P., P.A.INST.W.E., F.R.I.C.; publs. *Annual Reports,* technical papers, *Water Pollution Abstracts* (monthly), *Notes on Water Pollution* (quarterly).

Scott Polar Research Institute: Lensfield Road, Cambridge; f. 1921; research and information centre on the Polar regions; exhibits; 6,000 vols., 800 periodicals; Dir. Dr. G. DE Q. ROBIN; publ. *Polar Record.*

The Nature Conservancy: 19 Belgrave Square, London, S.W.1; Cttee. of the Privy Council appointed by Order in Council 1949; to provide scientific advice on the conservation and control of the natural flora and fauna of Great Britain; to establish, maintain and manage nature reserves in Great Britain and especially to maintain features of scientific interest; to organise and develop resesch services in relation to the conservation of natural flora and fauna and physical features; Chair. Lord HOWICK OF GLENDALE, G.C.M.G., K.C.V.O.; Dir. Gen. E. M. NICHOLSON, C.B.

United Kingdom Atomic Energy Authority: 11 Charles II Street, London, S.W.1; f. 1954 to take over responsibility for research and development in atomic energy, formerly controlled by the Ministry of Supply; Chair. Sir ROGER MAKINS; Dep. Chair. Sir WILLIAM PENNEY; mems. Sir WILLIAM COOK, Air Chief Marshal Sir CLAUD PELLY, Sir. ALAN HITCHMAN; part-time mems. Sir JOHN COCKCROFT, Prof. A. H. COTTRELL, F.R.S., Lord CITRINE, R. M. GEDDES, C. F. KEARTON, Sir LEONARD OWEN, S. J. PEARS; Sec. D. E. H. PEIRSON.

Research Group under Dr. F. A. VICK, O.B.E. (Dir.), headquarters at Atomic Energy Research Establishment, Harwell, nr. Didcot, Berks.

Reactor Group, under R. V. MOORE, G.C., headquarters at Risley, nr. Warrington, Lancs.

Production Group, under J. C. C. STEWART, C.B.E., headquarters at Risley, nr. Warrington, Lancs.

Weapons Group under Dr. NYMAN LEVIN (Dir.); Air Chief Marshal Sir CLAUDE PELLY (Member for Weapons Research and Development); headquarters at Aldermaston, nr. Reading, Berks.

Engineering Group, under H. V. DISNEY (Dir.), headquarters at Risley, nr. Warrington, Lancs.

Health and Safety Branch, under S. A. MCLEAN (Dir.), at London headquarters.

SOCIOLOGY

Royal Anthropological Institute of Great Britain and Ireland: 21 Bedford Square, London, W.C.1; f. 1843; 1,250 emes.; Pres. Prof. I. SCHAPERA; Hon. Sec. A. H. CHRISTIE; publs. *Man* (monthly); *Journal* (semi-annual), *Occasional Papers.*

TECHNOLOGY

The Aeronautical Research Council: National Physical Laboratory, Teddington, Middx.; Chair. Prof. G. TEMPLE, C.B.E., D.SC., F.R.S., F.R.AE.S.

Coal Utilisation Council: 19 Rochester Row, London, S.W.1; f. 1932 to promote the wider and more efficient use of coal and other solid fuels for domestic purposes; Pres. F. WILKINSON; Vice-Pres. Sir JOHN CHARRINGTON; Dir. Sir CAMPBELL HARDY, K.C.B.

Overseas Geological Surveys: 64-78 Gray's Inn Road, London, W.C.1; branch of the Department of Technical Co-operation; seeks through advisory and specialist services to promote geological mapping and the development of mineral raw materials in dependent and under-developed territories; Mineral Resources Division, Geophysics Division and Photogeological Division; also has facilities for palaeontological examination and age determination by isotope decay; Dir. Dr. S. H. SHAW, O.B.E.; publs. *Overseas Geological and Mineral Resources, Statistical Summary of the Mineral Industry,* monographs.

Safety in Mines Research Establishment: Central Laboratories at Red Hill, off Broad Lane, Sheffield 3 and Harpur Hill, Buxton; f. 1910; research on all aspects of safety in mines and on chemical and physical aspects of pneumoconiosis of mineworkers; 30,000 books and pamphlets and 400 journals in library; Dir. HENRY THOMAS RAMSAY, C.B.E., M.SC., M.I.MIN.E., F.INST.P.; publs. *Annual Reports, Research Reports, SMRE Abstracts* (monthly), technical papers.

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LIBRARIES

London

Admiralty Library: Whitehall, S.W.1; f. 1810; 220,000 volumes; contains works mainly on naval subjects; Librarian Lt.-Comdr. P. K. Kemp, R.N.

Associates of the late Rev. Dr. Bray: S.P.C.K., Holy Trinity Church, Marylebone Road, London, N.W.1; f. 1730; an association founded by Dr. Bray, who was the founder of the Society for Promoting Christian Knowledge (1698) and of the Society for the Propagation of the Gospel in Foreign Parts (1701), with the object of providing theological libraries for the Clergy in Great Britain as well as in the Colonial and Missionary Dioceses of the Anglican Communion; over 150 libraries in Great Britain and more than 250 overseas have been founded or aided by the Association; Pres. The Archbishop of Canterbury; Chair. Rev. D. C. Rutter.

Aslib Library: 3 Belgrave Square, London, S.W.1; contains about 3,000 volumes on documentation, special libraries and related subjects; together with much of the world's current periodical literature, and several thousand references to individual articles, reports, etc., on library and information matters; Librarian Miss C. M. Roberts, B.Sc.

Board of Trade Library: Horse Guards Ave., S.W.1; contains over 200,000 items, mainly current material on the social sciences, with emphasis on trade, economics and foreign economic affairs; receives over 7,000 current serials; provides information for the staff of the Board; available to outside users by appointment only; Librarian K. A. Mallaber, F.L.A.

Board of Trade Statistics and Market Intelligence Library: Hillgate House, 35 Old Bailey, E.C.4; receives over 3,000 current serials and attempts to acquire complete coverage on trade and production statistics (with supporting economic statistics) for the United Kingdom, Commonwealth, and foreign countries, U.N. and other international bodies; also a collection of trade directories of overseas countries, and a collection of trade catalogues of overseas manufacturers; open to the public for reference.

British and Foreign Bible Society's Library: 146 Queen Victoria Street, E.C.4; f. 1804; largest collection of printed Bibles (over 22,000 in 1,202 languages); Librarian Rev. W. J. Bradnock, M.A.

British Broadcasting Corporation Reference Library: Broadcasting House, Portland Place, W.1; f. 1927; Librarian Robert L. Collison; publ. *British Broadcasting: a bibliography.*

British Drama League Library: 9-10 Fitzroy Square, W.1; f. 1925; 150,000 volumes and several hundred MSS.; special collections include (a) William Archer Collection (books, programmes), (b) Granville Barker Collection (prompt copies, *c.* 19 plays), (c) Nigel Playfair Collection (prompt copies, *c.* 18 plays) (d) Nugent Monck Collection (prompt copies, privately printed plays, etc.); Librarian Mary Garnham, F.L.A.

British Institute of Recorded Sound: 38 Russell Square, W.C.1; f. 1955; national archive of sound recordings; contains *c.* 80,000 discs and tape recordings of music, drama and literature, language and dialect, speeches and events, zoological sounds, etc.; Pres. Viscount Esher, G.B.E.; Sec. Patrick Saul.

British Library of Political and Economic Science: London School of Economics, Houghton Street, Aldwych, W.C.2; f. 1896; contains over 400,000 bound volumes and numerous other items covering economics, political science, law (especially international and foreign), sociology, history, geography, etc., legislative and administrative reports, important deposits of official documents, and special collections, including manuscripts; Librarian G. Woledge, B.A.; publs. *Guide to the Collections, Notes for Readers, A London Bibliography of the Social Sciences, Classified Catalogue of a Collection of Works on Publishing and Bookselling in the British Library of Political and Economic Science.*

British Medical Association Library: Tavistock Square, W.C.1; f. 1887; 65,000 books; large collection of Paris and Lyons theses; Librarian F. M. Sutherland, M.A., F.L.A.

British Museum Library and Reading Rooms: Great Russell Street, Bloomsbury, W.C.1; f. 1753; National Library; contains over 6,000,000 printed books, about 60,000 Western and 30,000 Oriental MSS., 100,000 charters and rolls, 18,000 detached seals and casts of seals, 3,000 Greek and Latin papyri, and a fine collection of Egyptian papyri. Newspapers are kept in a special department at Colindale, London, N.W.9. Public Reading Rooms for research, admission by ticket. Dir. and Principal Librarian Sir Frank Francis, K.C.B.; Principal Keeper of Printed Books R. A. Wilson; Keepers: MSS., T. C. Skeat; Oriental Printed Books and MSS., K. B. Gardner.

British Museum (Natural History) Library: Cromwell Road, S.W.7; 300,000 vols. on biology and general natural history, zoology (incl. entomology), palaeontology, botany, mineralogy and anthropology; Librarian A. C. Townsend, M.A.

British Numismatic Society Library: The Warburg Institute, Woburn Square, W.C.1; Librarian Dr. J. Kent, Dept. of Coins and Medals, British Museum, W.C.1.

Canning House Library: The Hispanic Council and the Luso-Brazilian Council, Canning House, 2 Belgrave Square, S.W.1; f. 1943; Librarian G. H. Green, B.A.; publs. *Canning House Library Bulletin, British Bulletin of Publications on Latin America, the West Indies, Portugal and Spain*: catalogue, bibliography (both six-monthly).

Central Music Library: Buckingham Palace Road Library, S.W.1; f. 1948; a national collection of music and books and periodicals on music; about 41,000 items including the libraries of Edwin Evans and Gerald M. Cooper; the library is on indefinite loan to the Westminster City Council and items are on loan through the Public Library service; Chair. Max Pirani.

Chemical Society Library: Burlington House, Piccadilly, W.1; f. 1841; over 52,000 volumes and 12,000 pamphlets; is a fine collection of works on chemistry and cognate subjects; special collections: Roscoe collection of books on alchemy and early chemistry; collection of books from the library of Michael Faraday; Nathan collection of books on explosives and firearms; Librarian R. G. Griffin, F.L.A.

Church House Library: Dean's Yard, Westminster, S.W.1; f. 1888; specialist reference library dealing with Church affairs, largely in connection with the Church Assembly and the Convocations.

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Church Missionary Society Library: 6 Salisbury Square, E.C.4; f. 1799; approx. 25,000 volumes; religion, social sciences, history, language, description and travel; special collections include James Long Bequest (books on Islam and Buddhism) and General Lake's collection of Puritan literature; Librarians Miss J. M. Woods, R. A. Keen.

City of Westminster Public Libraries: 4-6 Charing Cross Road, London, W.C.2; f. 1900, although the Gt. Smith Street branch was opened in 1857 and was the first public library in London; City Librarian K. C. Harrison, M.B.E., F.L.A.; the libraries are as follows:

Buckingham Palace Road: S.W.1; 92,643 vols.; Central Music Library 60,000 items; 100,000 archives.

South Audley Street: W.1; 27,860 vols.

Gt. Smith Street: S.W.1; 58,290 vols.

Central Lending Library: 4 Charing Cross Road, W.C.2; 59,319 vols.; Gramophone Record Library of 18,815 pieces.

Central Reference Library: St. Martin's Street, W.C.2; 250,000 vols. covering the humanities, pure sciences, commerce and technology; British and foreign directories; over 1,000 current periodicals; Pavlova Memorial Library; 16,000 maps; microfilm and microcard readers.

College of Arms: Queen Victoria Street, E.C.4; *ca.* 30,000 vols.; genealogical and heraldic collections; Registrar J. R. B. Walker, M.V.O., M.C., Lancaster Herald; Librarian M. R. Trappes-Lomax, F.S.A., Somerset Herald.

Colonial Office Library: Sanctuary Buildings, Gt. Smith Street, S.W.1; **Commonwealth Relations Office Library:** Downing Street, S.W.1; **Department of Technical Co-operation Library:** Eland House, Stag Place, S.W.1; these libraries are run as a joint library at the addresses given above; Librarian B. Cheeseman, A.L.A.; Deputy Librarian C. D. Overton, F.L.A.

Congregational Library: Memorial Hall, Farringdon Street, E.C.4; f. 1830; contains about 30,000 volumes, mainly relating to the history and activities of the Non-conformists, and collection of hymnology.

Custom House Library: King's Beam House, E.C.3; f. 1671; contains about 25,000 volumes, together with many MS. records of H.M. Customs and Excise headquarters and outports, including much valuable historical material; representative transcripts, lists, etc., of out-port records; also private museum; Librarian and Keeper Rupert C. Jarvis, F.S.A., F.R.HIST.S.

Dr. Williams's Library: 14 Gordon Square, W.C.1; opened 1729; contains about 100,000 volumes, a lending library of theological, philosophical and historical works; Librarian Rev. R. Thomas, M.A.; publs. *Catalogue of Accessions 1900–1950, 1951–1960, Bulletin of Accessions* (annual), *Lectures of Friends of Dr. Williams's Library* (annual), *Occasional papers.*

Egypt Exploration Society Library: 2 Hinde Street, W.1; f. 1882; contains about 4,000 volumes relating to Egypt and neighbouring countries; Hon. Librarian C. H. S. Spaull.

Food Library: Great Westminster House, Horseferry Road, S.W.1; approx. 20,000 vols., 450 current periodicals; Librarian D. W. Whitehead, A.L.A.

Foreign Office Library: Cornwall House, Stamford Street, S.E.1; f. 1784; contains over 60,000 volumes, largely historical, political and on international law; Librarian and Keeper of the Papers R. W. Mason, C.M.G.; Head of Printed Library Miss E. C. Blayney, A.L.A.

Friends' Library: Friends' House, Euston Road, N.W.1; f. 1673; the official library of the Society of Friends (Quakers) in Great Britain and the repository of its archives; contains about 14,000 volumes, 20,000 pamphlets, and 20,000 MSS., as well as prints; Librarian Edward H. Milligan.

Geological Museum Library: Exhibition Road, S.W.7; f. 1837; 70,000 volumes; Curator A. J. Butler, O.B.E., M.SC., F.M.A.

Geological Society Library: Burlington House, Piccadilly, W.1; f. 1809; contains about 90,000 volumes; Librarian Mrs. J. L. Green.

Gladstone Library: National Liberal Club, Whitehall Place, S.W.1; f. 1888; contains about 40,000 books and about 40,000 pamphlets; Librarian G. E. Awdry, F.L.A.

Gray's Inn Library (Holker Library): South Square, Grays' Inn, W.C.1; f. *ca.* 1522; volumes of books on law; special collections: Baconiana, ecclesiastical MSS. 12th-14th centuries; for the use of mems. of Gray's Inn only; the library was completely destroyed by enemy action in May 1941; reopened 1958; about 27,000 vols.; Librarian B. M. Cocks; Asst. Librarians A. J. Vockins, Mrs. C. Twinberrow.

Guildhall Library (Library of the Corporation of London); King Street, E.C.2; f. about 1425; contains 130,000 printed books, etc., 33,000 MSS., and 25,000 prints; general reference library, particularly rich in books on all aspects of London history; the MSS. collection consists mainly of City parochial records and records of the City Livery Companies; commercial reference room of British and foreign directories, trade papers, etc.; Librarian A. H. Hall, F.L.A., F.S.A.

Guy's Hospital Medical School: The Wills Library: St. Thomas's Street, S.E.1; f. 1903; 25,000 volumes; Librarian William Hill.

Hirsch Music Library: British Museum, Great Russell Street, W.C.1; purchased for the nation in 1946; a unique collection of musical treatises and theoretical works prior to 1800, full operatic scores and complete and first editions of the classics with an extensive collection of musical literature from the nineteenth and twentieth centuries; Superintendent of the Music Room A. Hyatt King.

House of Commons Library: Westminster, S.W.1; f. 1818; contains about 100,000 volumes, including Parliamentary Records; the reference library files contain more than 1,300 periodicals and newspapers; the research division issues bibliographies and memoranda on subjects of current interest to members; Librarian Strathearn Gordon.

House of Lords Library: Old Palace Yard, Westminster, S.W.1; f. 1826; contains about 75,000 volumes, legal and Parliamentary, history and general literature; Librarian C. S. A. Dobson.

Imperial War Museum Library: Lambeth Road, S.E.1; f. 1917; contains publications and MSS. relating to all aspects of the World Wars of 1914-18 and 1939-45 and other operations in which the Forces of the British Commonwealth have been engaged since 1914; 80,000 vols., 3,500,000 photographs; Dir. Dr. A. N. Frankland, D.F.C.; Keeper of Pictures W. Philip Mayes, F.S.A., F.M.A.; Keeper of Exhibits W. Y. Carman, F.S.A., F.R.HIST.S.; Keeper of Dept. of Records Dr. C. H. Roads; Librarian Miss R. E. B. Coombs.

India Office Library (Commonwealth Relations Office): King Charles Street, S.W.1; f. 1801; contains about 260,000 European and Oriental printed books, 30,000 MSS., 500 Western drawings relating principally to India and the East and 2,000 Indian and Persian miniature paintings; Librarian S. C. Sutton, C.B.E.; publs. *Annual Report, Guide* and catalogues of the collections.

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Inner Temple Library: Temple, London, E.C.4; f. about 1500; about 100,000 vols.; mostly legal and historical: Contains in addition to English, Foreign, and International Law, an extensive collection of law relating to the British Commonwealth and special collections on Biography, Topography, History, (Ecclesiastical and Political) and Heraldry. Collection of Petyt MSS. available to the public (on special application) for historical research; Librarian E. A. P. HART.

Inns of Court Bar Library and the Libraries of the Supreme Court of Judicature: Royal Courts of Justice, Strand, W.C.2; f. 1883; contains 100,000 volumes; Chief Librarian R. A. RICHES, O.B.E.; Asst. Librarian C. L. FISHER, M.L.A.

Institution of Civil Engineers' Library: Great George Street, Westminster, S.W.1; f. 1818; a private library of about 75,000 volumes and 20,000 pamphlets; includes works on all branches of engineering; Sec. A. MCDONALD, B.SC., M.I.C.E.

Institution of Electrical Engineers' Library: Savoy Place, W.C.2; f. 1871; the main collection contains over 10,000 books, 11,000 bound volumes of periodicals, reports, etc., and several thousand pamphlets; over 600 periodicals are received. The library includes two famous collections of historical electrical works—the collection of Sir Francis Ronalds (held in trust), consisting of 6,000 volumes and pamphlets and the library of Silvanus P. Thompson, comprising 4,500 volumes and 8,000 pamphlets; there is also a valuable collection of Faraday MSS. and a small collection comprising the library and notebooks of Oliver Heaviside; Sec. G. F. GAINSBOROUGH, B.SC., PH.D., M.I.E.E.

Institution of Mechanical Engineers' Library: 1 Birdcage Walk, Westminster, S.W.1; f. 1847; 80,000 items; Librarian REGINALD T. EVERETT, B.E.M.

Iron and Steel Institute and Institute of Metals Joint Library: 4 Grosvenor Gardens, S.W.1; f. 1938; 30,000 volumes; Joint Librarian M. L. PEARL.

King's College Library: Strand, W.C.2; f. 1829; contains about 220,000 volumes; Librarian KENNETH GARSIDE, M.A.

Lambeth Palace Library: Lambeth, S.E.1; f. 1610; contains about 100,000 printed items and 1,800 volumes of MSS. dating back to the 9th century, also a considerable number of archives (about 100,000 documents); Librarian and Archivist E. G. W. BILL, M.A.; Deputy Librarian ROSEMARY BURDETT, M.A.; Deputy Archivist JANE SAYERS, M.A., B.LITT.

Law Society Library: Chancery Lane, W.C.2; f. 1828; 78,694 volumes, mostly English law books, reports and statutes; Librarian S. E. CHAMPION.

Library Association Library: Chaucer House, Malet Place, W.C.1; f. 1877; approx. 25,000 volumes plus large collections of library reports, bulletins, etc., and 6,500 photographs and illustrations; Librarian P. W. PLUMB, F.L.A.

Library of the Royal Society of Arts: 8 John Adam Street, W.C.2; approx. 6,000 vols.; Curator-Librarian D. G. C. ALLAN, M.SC.(ECON.), F.R.HIST.S.

Lincoln's Inn Library: Holborn, W.C.2; in existence 1475; with 85,000 volumes and 1,000 volumes of MSS., including the Hale Collection, is the largest and oldest law library in London; Librarian C. W. RINGROSE.

Linnean Society Library: Burlington House, Piccadilly, W.1; f. 1788; contains about 80,000 volumes, mostly works on natural history.

London County Council Education Library: County Hall, Westminster Bridge, S.E.1; f. 1909; contains about 200,000 volumes; Librarian H. R. MAINWOOD, A.L.A.

The London Hospital Medical College Library: Turner Street, London, E.1; f. early 19th century; 12,500 vols.; Librarian J. P. ENTRACT, A.L.A., DIP.HIST.

London Library: 14 St. James's Square, S.W.1; f. 1841; over 600,000 volumes covering a wide range of subjects and languages; subscription circulating and reference library; under Royal Charter; membership 4,500 including 1,000 life mems.; Sec. and Librarian STANLEY GILLAM, B.LITT., M.A.

London Oratory Library: Brompton Road, South Kensington, S.W.7; f. 1854; contains 40,000 volumes and 3,000 pamphlets; the finest library of Catholic literature in London.

London School of Hygiene and Tropical Medicine Library: Keppel Street, Gower Street, W.C.1; f. 1924; 47,000 volumes; Librarian V. J. GLANVILLE, A.L.A.

Marx Memorial Library: Marx House, 37A Clerkenwell Green, E.C.1; f. 1933; approx. 12,000 volumes; 25,000 pamphlets, files of Labour, Socialist and Communist periodicals; Pres. Prof. J. D. BERNAL, F.R.S.; Chair. ANDREW ROTHSTEIN, M.A.; Librarian PETER CORRIE.

Medical Society of London Library: 11 Chandos Street, W.1; f. 1773; approx. 35,000 volumes; Registrar and Librarian Lt.-Col. E. J. TUCKER; publ. *Yearly Transactions*.

Meteorological Office Library: London Road, Bracknell, Berks.; f. 1870; approx. 86,000 books and 26,000 pamphlets; the national library for meteorology, climatology and certain other branches of geophysics (e.g. terrestrial magnetism) in which the Meteorological Office is interested; includes comprehensive records of data published by British and foreign institutions; Librarian B. C. LACK, B.SC.

Middle Temple Library: Middle Temple Lane, Temple, E.C.4; f. 1641; contains about 90,000 volumes of works on law and history including Commonwealth and U.S. Laws and Reports; Librarian D. V. A. SANKEY.

Ministry of Agriculture, Fisheries and Food Library: 3 Whitehall Place, S.W.1; f. 1889; 120,000 vols., some 2,000 current periodicals and serials; includes Cowan and Cotton Libraries (books and periodicals on apiculture) and Punnett collection (poultry science); Librarian F. C. HIRST, F.L.A.; publs. *Agriculture* (monthly), *National Agricultural Advisory Service Quarterly Review*, *Plant Pathology* (quarterly), *Current Agricultural Literature*, *Experimental Horticulture*, *Experimental Husbandry* (irregular), *Bulletins* and *Leaflets*.

Ministry of Education Library: Curzon Street, W.1; f. 1896 (had its origin in an exhibition of English and foreign books and educational apparatus in London in 1854); contains over 100,000 volumes; the largest section consists of books and official publications dealing with the organisation and administration of education in all parts of the world; there is also a representative collection of books on theory of education, methods of teaching, psychology, educational buildings and equipment; a list of recent accessions is issued monthly; Librarian PHYLLIS M. DOWNIE, M.A., F.L.A.

Ministry of Health Library: Alexander Fleming House, Elephant and Castle, London, S.E.1; contains over 80,000 vols. and pamphlets and 660 current periodicals on public health, health services, medicine, hospitals and social welfare; Librarian A. E. FOUNTAIN, B.A., F.L.A.

Ministry of Housing and Local Government Library: Whitehall, S.W.1; provides information for the staff of the Ministry on housing, local government, town and country planning, water supply and sewerage; 90,000 vols. and pamphlets, 500 current periodicals; Librarian W. PEARSON, B.SC.(ECON.), A.L.A.

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National Central Library: Malet Place, W.C.1; f. 1916 as the Central Library for Students; lends books to readers in all parts of the British Isles on application received through the reader's local, university, or special library; the Library, which contains *c.* 250,000 vols. and has access to over 20,000,000 books in other libraries, is the national centre for inter-library lending and information about books and for inter-library lending between Britain and foreign countries; it also includes a British National Book Centre for the redistribution of redundant books from other collections; Librarian S. P. L. FILON, B.SC., F.L.A.

National Film Archive: 81 Dean Street, London, W.1; f. 1935; preserves for posterity, and makes available for study, cinematograph films of artistic and historic value; Curator ERNEST LINDGREN, O.B.E.

National Library for the Blind: 35 Great Smith Street, Westminster, S.W.1; f. 1882; contains 300,000 volumes (200,000 London, 100,000 Manchester), including music, in Braille and Moon types; Northern Branch: 5 St. John Street, Manchester; Chair. The Marquis of NORMANBY, M.B.E.; Librarian and Dir.-Gen. W. A. MUNFORD, M.B.E., B.SC. (ECON.), F.L.A.

New College, London, Library, University of London: 527 Finchley Road, Hampstead, N.W.3; f. 1729; 32,000 volumes, including an important collection of Puritan and Nonconformist works; Librarian Rev. G. F. NUTTALL, M.A., D.D.

Patent Office Library: 25 Southampton Buildings, Chancery Lane, W.C.2; f. 1855; a State public reference library of industrial art; 100,000 volumes of patent specifications and industrial property publications of the British, Commonwealth and foreign Governments; 200,000 volumes of industrial periodicals and scientific societies' journals from all over the world; 7,500 current periodicals; 90,000 volumes of selected textbooks and pamphlets covering applied science and technology in all countries; lists of additions appear in *Official Journal* (Patents); Librarian Miss M. F. WEBB, B.SC., A.L.A.

Pharmaceutical Society Library: 17 Bloomsbury Square, W.C.1; f. 1841; approx. 33,720 volumes; Librarian Miss A. LOTHIAN, F.P.S., A.L.A.

Public Record Office: Chancery Lane, W.C.2; national archives of the United Kingdom; over 50 million documents; Keeper of Public Records STEPHEN SHIPLEY WILSON, C.B.

Reform Club Library: 104 Pall Mall, S.W.1; f. 1841; contains about 45,000 volumes of standard literature, with a pamphlet collection on politics, history, biography, topography and economics; Librarian DAISY TINDALL, M.A., A.L.A.

Royal Academy of Arts Library: Burlington House, W.1; f. 1768; over 20,000 volumes on the fine arts and standard reference books; also original drawings and engravings; open to members and students; Librarian SIDNEY C. HUTCHISON, F.S.A., F.M.A., F.R.S.A.

Royal Academy of Music Library: Marylebone Road, N.W.1; f. 1823; 60,000 volumes and 2,500 sets of orchestral parts; special collections include Sir Henry Wood Library, Angelina Goetz Library, and G. D. Cunningham Library of Organ Music; Librarian W. H. STOCK.

Royal Agricultural Society Library: 35 Belgrave Square, S.W.1; a research library containing books published prior to 1910.

Royal Anthropological Institute Library: 21 Bedford Square, W.C.1; f. 1843; approx. 40,000 volumes.

Royal Asiatic Society Library: 56 Queen Anne Street, W.1; f. 1823; contains about 78,000 volumes, dealing with the East, and 1,500 Oriental MSS.; Librarian Mrs. M. DAVIS, M.B.E.; publ. *Journal of the Royal Asiatic Society* (twice a year).

Royal Astronomical Society Library: Burlington House, W.1; f. 1820; approx. 25,000 volumes; Librarian Mrs. B. HARRINGTON, A.L.A.

Royal Botanic Gardens Library: Kew, Richmond, Surrey; f. 1853; contains approx. 80,000 volumes, including periodicals, and approx. 120,000 pamphlets and reprints; Librarian R. G. C. DESMOND, F.L.A.

Royal College of Music Library: Prince Consort Road, South Kensington, S.W.7; f. 1883; contains 26,000 volumes of printed music, MSS, and books on music; Librarian BARBARA D. BANNER, B.MUS., A.R.C.M.

Royal College of Physicians' Library: Regent's Park, London, N.W.1; f. 1518; confined to the history of medicine, with a bias towards medical biography, but rich in 16th- and 17th-century books covering the whole field of learning, also a small collection of books on medical education; contains 40,000 books (incl. over 100 incunabula), 600 manuscripts (Western and Oriental), 5,000 autograph letters and 5,000 engraved portraits; Harevian Librarian CHARLES NEWMAN, M.D., F.R.C.P.; Librarian L. M. PAYNE, F.L.A.; publs. *Catalogue of Engraved Portraits* (1952), *Lives of the Fellows, 1826-1926* (Munk's *Roll*, Vol. 4) (1955), *William Harvey, 1578-1657* (1957).

Royal College of Surgeons of England Library: Lincoln's Inn Fields, W.C.2; f. 1800; medical and surgical books and 550 current periodicals; 120,000 volumes; Librarian W. R. LE FANU, M.A., F.S.A.; publs. *History of the College* (1959), *Catalogue of Portraits* (1960), *English Books before 1701* (1963).

Royal College of Veterinary Surgeons Library: 32 Belgrave Square, London, S.W.1; open to all qualified veterinary surgeons; Librarian Miss B. HORDER, B.A., A.L.A.

Royal Commonwealth Society Library: Northumberland Avenue, W.C.2; f. 1868; contains 350,000 volumes and pamphlets relating to the countries of the Commonwealth; Librarian D. H. SIMPSON, F.L.A.

Royal Entomological Society of London Library: 41 Queen's Gate, South Kensington, S.W.7; f. 1833; contains about 15,000 volumes; Registrar Miss E. EVANS.

Royal Geographical Society Library: Kensington Gore, S.W.7; f. 1830; contains 100,000 volumes on geography; and an unrivalled collection of maps in the map-room; Librarian and Map Curator, G. R. CRONE; publ. *The Geographical Journal* (quarterly).

Royal Historical Society Library: 96 Cheyne Walk, S.W.10; f. 1868; contains over 12,000 volumes, mainly publications of record societies; Sec. and Librarian Miss A. M. ARMSTRONG, B.A.

Royal Horticultural Society, Lindley Library: Vincent Square, S.W.1; contains more than 33,000 volumes.

Royal Institute of British Architects' Library: 66 Portland Place, W.1; f. 1834; with approx. 65,000 volumes, and an important collection of drawings and prints, is one of the most complete architectural libraries; Librarian J. C. PALMES, M.A.; publ. *R.I.B.A. Library Bulletin* (since Nov. 1946) (quarterly).

Royal Institute of International Affairs Library, The: 10 St. James's Square, London, S.W.1; f. 1920; over 100,000 volumes; approx. 550 current periodicals; Librarian Miss DOROTHY HAMERTON.

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Press Library: over 12,000 box files of classified cuttings from the international press dating from 1916; Press Librarian Miss E. CAMPBELL.

Royal Institution of Chartered Surveyors' Library: 12 Great George Street, Parliament Square, S.W.1; f. 1868; contains about 20,000 vols. on surveying and kindred professions; Librarian R. D. CARTER, A.L.A.

Royal Institution of Great Britain Library: 21 Albemarle Street, W.1; 55,000 vols. on all branches of science; 400 periodicals currently received; MSS. of Davy, Faraday, Tyndall and other scientists who have worked at the Institution; Librarian K. D. C. VERNON, F.L.A.

Royal Meteorological Society Library: 49 Cromwell Road, South Kensington, S.W.7; f. 1850; contains about 30,000 volumes and pamphlets of meteorological literature; Hon. Librarian A. G. FORSDYKE, PH.D.

Royal Society of Health Library: 90 Buckingham Palace Road, S.W.1; f. 1876; contains over 34,000 books and pamphlets, and about 250 sets of periodicals.

Royal Society Library: Burlington House, W.1; approx. 145,000 volumes; Librarian I. KAYE.

Royal Society of Medicine Library: 1 Wimpole Street, W.1; f. 1805; important medical library, comprising approx. 400,000 volumes, 2,100 current periodicals; includes the Wellcome Research Library; Librarian P. WADE, B.A., F.L.A.

Royal United Service Institution Library: Whitehall, S.W.1; f. in 1831 for the promotion and advancement of the science and literature of the three Services; about 45,000 volumes; Home, Dominion and Foreign Service periodicals; Librarian Brig. J. STEPHENSON.

St. Bartholomew's Hospital Medical College Library: West Smithfield, E.C.1; f. 1800; 25,000 volumes; Librarian J. L. THORNTON.

St. Bride Printing Library: Bride Lane, Fleet Street, E.C.4; f. 1895; devoted to works on printing and the allied crafts; contains about 30,000 volumes; Librarian J. M. MOSLEY.

St. Paul's Cathedral Library: E.C.4; f. 1707; containing old works on theology and Greek and Latin classics, also some interesting MSS.; upwards of 13,500 volumes and 11,500 pamphlets; Librarian, Archivist and Keeper of the Muniments A. R. B. FULLER, M.A.

School of Oriental and African Studies Library: University of London, W.C.1; f. 1916; over 230,000 volumes and pamphlets and 1,600 MSS. dealing with Oriental and African languages, literatures, philosophy, religions, history, law, cultural anthropology, art and archæology, social sciences; Librarian J. D. PEARSON, M.A.

Science Library: South Kensington, S.W.7; a national library of pure and applied science, with about 370,000 volumes, including 18,000 periodicals, of which some 4,500 titles are current; photocopying service; Keeper J. A. CHALDECOTT, M.SC., A.INST.P.

Sion College Library: Victoria Embankment, E.C.4; f. 1630; contains about 100,000 volumes, including some valuable MSS., mostly theological; Hon. Librarian Rev. W. M. ATKINS, M.A., F.S.A.; Librarian Miss M. E. EDMONDSTON, B.A., F.L.A.

Sir John Soane's House and Museum: 13 Lincoln's Inn Fields, W.C.2; f. 1837; contains Sir John Soane's collection of some 8,000 volumes of books on art, antiquities, architecture, classics and general literature; Curator and Librarian Sir JOHN SUMMERSON, C.B.E., F.B.A., A.R.I.B.A.

Societies for the Promotion of Hellenic and Roman Studies Library: 31–34 Gordon Square, London, W.C.1; f. 1879; contains about 35,000 volumes on classical archæology, history, and literature; classified collection of about 25,000 lantern slides; Librarian Miss J. E. SOUTHAN, B.A.

Society of Antiquaries Library: Burlington House, Piccadilly, W.1; f. 1707; contains about 100,000 printed books and a number of MSS., chiefly on archaeological subjects; Asst. Sec. T. D. TREMLETT, M.A.; Librarian P. R. T. WRIGHT, B.A.

Society of Genealogists' Library: 37 Harrington Gardens, S.W.7; over 30,000 volumes; Librarian J. M. SIMS.

Tropical Products Institute Library (D.S.I.R.): 56-62 Gray's Inn Road, W.C.1; contains approx. 150,000 items relating to tropical agriculture, forestry, and the production and utilisation of raw materials in the Commonwealth and Colonial Territories; Librarian H. E. THRUPP, A.L.A.

United Nations Information Centre Library: 14 Stratford Place, W.1; contains all United Nations documents, and selection of publications from the specialised agencies; Librarian Miss M. MCAFEE.

University College Library: Gower Street, W.C.1; f. 1828; contains some 675,000 volumes and pamphlets, and includes several special collections of great value, e.g. manuscripts of Jeremy Bentham, papers of Sir Edwin Chadwick, C. H. Barlow Dante collection augmented by libraries of Sir John Rotton and Mr. H. St. John Brooks, J. T. Graves mathematical library, Whitley Stokes Celtic library, C. K. Ogden library including correspondence of Lord Brougham and scripts and letters of George Orwell; houses Mocatta library of Anglo-Judaica, and libraries of British Society of Franciscan Studies, Folk-Lore Society, Geologists' Association, Hertfordshire Natural History Society, Huguenot Society, London Mathematical Society, Malacalogical Society, Philological Society, Viking Society for Northern Research; Librarian J. W. SCOTT, B.A., A.L.A.

University College Hospital Medical School Library: University Street, W.C.1; f. 1907; 21,000 volumes; Librarian A. T. PICTON, B.A., A.L.A.

University of London Library: Senate House, W.C.1; f. 1838; primarily for members of the University; contains about 800,000 volumes for reference and loan, including several special collections, *e.g.*, the Goldsmiths' Library of Economic Literature, the De Morgan Library of early mathematical and astronomical books, the Grote Library of Greek and Latin classics, the Quick Memorial Library of old educational books and the history of education, the Durning-Lawrence Library of Elizabethan-Jacobean Literature, particularly strong in Shakespeare and Sir Francis Bacon, the Harry Price Library of Magical Literature, the Sterling Library of early editions, mainly of English Literature; Carlton Shorthand Library, etc.; Librarian J. H. P. PAFFORD, M.A., D.LITT., F.S.A., F.L.A.

Victoria and Albert Museum, Library of the: South Kensington, S.W.7; f. 1837; contains over 300,000 volumes; is the national collection of works on the fine and applied arts; the Dyce and Forster libraries number about 32,000 vols., mostly English literature, history and drama, and the Clements Collection of British Armorial Bookbindings; Keeper JOHN P. HARTHAN.

War Office Library: Whitehall, S.W.1; f. 1804; contains over 150,000 volumes on military science and art and related subjects, history, topography, cartography, and surveying; Librarian A. S. WHITE, I.S.O., F.R.HIST.S.

Wellcome Historical Medical Library: 183 Euston Road, N.W.1; contains a large collection of MSS., over 600 incunabula, and over 200,000 printed books, 5,000

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western MSS. from 11th century onwards, 5,000 oriental MSS., orientalia, autograph letters, pamphlets; Chief Librarian F. N. L. POYNTER, B.A., PH.D., F.R.S.L., F.L.A.

Wellcome Research Library: *see* Royal Society of Medicine Library.

Westminster Chapter Library: Westminster Abbey, S.W.1; f. 1623–26; contains about 14,000 volumes, including liturgies, Bibles, books on canon law and works of the Fathers of the Church; famous for remarkable collection of Abbey Records and other documents, etc.; Librarian and Keeper of the Muniments LAWRENCE E. TANNER, C.V.O., M.A., F.S.A.

Westminster Central Reference Library: St. Martin's Street, W.C.2; over 100,000 vols., 12,000 maps, 1,000 periodicals, 2,000 annuals, all available directories for Great Britain, many foreign, including 300 telephone directories covering great cities of the world, all British Government publications, special collections on the Fine Arts, Theatre and Cinema.

Wiener Library: 4 Devonshire Street, W.1; f. in Amsterdam in 1934 by Dr. Alfred Weiner, moved to London 1939; about 50,000 vols. and newspapers, magazines, press cuttings, photos and other documents on Nazism, Fascism, Anti-Semitism, Racialism, Refugee and Minority problems, contemporary Jewish history, Israel and the Middle East; Acting Dir. C. C. ARONSFELD, Librarian Mrs. ILSE R. WOLF; publs. *The Wiener Library Bulletin, The Wiener Library Catalogue Series.*

Zoological Society Library: Regent's Park, N.W.1; f. 1835; contains about 100,000 volumes of works and periodicals connected with zoology; Librarian G. B. STRATTON, M.B.E., A.L.S.

PROVINCES

Each town and county has its Public Library, but these are mentioned individually only in exceptional cases.

Prince Consort's Library: Knollys Road, Aldershot, Hants.; f. 1860; military library and Army Class II library; 31,000 volumes; Librarian Lt.-Col. (Retd.) L. H. YATES, O.B.E.

Birmingham Reference Library: Ratcliff Place, Birmingham 1; f. 1860; 750,000 volumes including over 100 incunabula; special collections: Local History and Archives, 84,000 printed items covering every phase of Birmingham life (including Baskerville and Priestley Collections) and over 90,000 deeds and MSS., including Boulton and Watt correspondence and drawings concerning the famous Soho engineering firm; Shakespeare, 37,000 books and pamphlets in 79 languages; King's Norton Parish Library, 600 volumes presented by Thomas Hall to his parishioners, 1660; Sheldon Rector's Library, bequeathed by Thomas Bray in 1730, acquired 1961; Parker Collection of children's books; Samuel Johnson, 2,000 volumes; First World War Poetry Collection; Sir Benjamin Stone Collection, 22,000 photographs; 27 lending libraries, 9 temporary branches; photocopying apparatus, including microfilm camera and reader; Commercial and Patents Library of 11,000 books, directories, annuals, etc.; British Patents from 1617, U.S. Patents 50-year file; Technical Library, 55,000 volumes, including standard specifications, 800 current periodicals; Atomic Energy and United Nations depository library; Illustrations Collection; City Librarian V. H. WOODS, M.A., F.L.A.

Birmingham University Library: The University, Edgbaston, Birmingham 15; f. 1900; 550,000 vols.; 5,000 current periodicals; papers of Joseph Chamberlain, Sir Austen Chamberlain, John Galsworthy, etc.

Selly Oak Colleges Library: Birmingham 29; f. 1921; philosophy, sociology, anthropology, religion and missions; 50,000 volumes, 3,000 Arabic and Syriac MSS.; Librarian Mrs. J. M. LEONARD, B.A., A.L.A.

Bradford Public Libraries: Darley Street, Bradford; 440,841 vols.; special local and textile collections; Librarian H. BILTON, F.L.A.

Bristol Public Libraries: Central Library, College Green, Bristol 1; f. 1613; 609,958 vols.; City Librarian W. S. HAUGH, B.A., F.L.A.

Cambridge University Library: Cambridge; contains about 2,000,000 printed books, over 12,000 MSS. and 350,000 maps which have been accumulating since the beginning of the 15th century; Librarian H. R. CRESWICK M.A.

Pepysian Library: Magdalene College, Cambridge; collection bequeathed by Samuel Pepys; Librarian R. W. LADBOROUGH.

Canterbury Cathedral Chapter Library: Canterbury; f. probably about 597; in continuous existence since 11th century; contains about 30,000 printed books, Administrative MSS. of the Dean and Chapter and archives of local ecclesiastical courts; Canon-Librarian Canon F. J. SHIRLEY, PH.D., D.D., F.S.A.; Keeper of the MSS. WILLIAM URRY, PH.D., F.S.A., F.R.HIST.S.

Coventry Public Library: Cow Lane, Coventry; 305,434 vols.; special collections of books on the motor industry, cycle industry and aircraft; Librarian E. SIMPSON.

Durham University Library: Palace Green, Durham; f. 1831; 230,000 vols.; includes Bishop Cosin's Library, f. 1688; 6,000 volumes (divinity and general); the library includes 187 books printed before 1500, First Folio Shakespeare, patristic, liturgical, and oriental works, old bindings, medieval MSS.; Librarian DAVID RAMAGE, M.A., F.L.A.; publ. *Durham Philobiblon* (occasional).

Exeter Cathedral Library: Exeter; f. 11th century when Bishop Leofric gave 66 manuscript volumes to the Cathedral Church; over 20,000 vols. including *Exeter Book of Old English Poetry* and *Exon Domesday*; administered by the University of Exeter; Librarian L. J. LLOYD, M.A.

Exeter University Library (Roxburgh Library): Prince of Wales Road, Exeter; f. 1937; Librarian L. J. LLOYD, M.A., F.S.A., F.R.S.L.

Hull City Libraries: Albion Street, Hull, Yorkshire; 578,000 vols.; special collections on local history, whaling, Winifred Holtby, Andrew Marvell, Wilberforce, Slavery and Napoleon (1740-59); Librarian R. F. DREWERY, D.P.A., F.L.A.

Leeds Public Libraries: Leeds, Yorkshire; 561,000 vols.; special collections on textiles, statistics and music; large Judaic collection; Librarian F. G. B. HUTCHINGS.

Leeds University Library: Leeds; about 703,948 vols. including the Brotherton Collection which contains 45,339 vols. and pamphlets and a large number of MSS., deeds and letters; Librarian B. S. PAGE, M.A., F.L.A.

Leicester University Library: Leicester; f. 1921; special collections of local history of England and Wales, Transport History and French memoirs.

Dean Savage Reference Library: The Close, Lichfield, Staffs.; f. 1924; 8,000 vols., mostly theology, archaeology and kindred subjects; Librarian Rev. R. E. SIBTHORP.

Liverpool Public Libraries: Brown, Picton and Hornby Libraries, Wiliam Brown Street, Liverpool 3, Lancs.; f. 1852; 1,910,000 vols., pamphlets, MSS., etc.; Reference Library; Record Office and Local History Dept.

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(permanent exhibition "Liverpool from 1207"); Map Rooms; Print Gallery; Exhibitions; Telexi Headquarters of LADSIRLAC (Liverpool and District Scientific, Industrial and Research Library Advisory Council); 34 separate establishments incl. Branch Libraries, Mobile Library, Central Junior Library, Central Lending Library, Stack Rooms; Librarian G. CHANDLER, M.A., PH.D., F.L.A., F.R.HIST.S.

Liverpool School of Tropical Medicine Library: Pembroke Place, Liverpool, 3; f. 1898; 14,000 volumes; Librarian GLADYS PHILLIPS, M.A.

Liverpool University Library: Liverpool 3, Lancashire; 520,000 vols., 4,100 current periodicals; special collections include the Rylands collection of early works on geography and astronomy, the William Blake collection, the Scott Macfie collection of gipsy lore and the William Noble Library (modern private presses), and the Knowsley Collection of 3,000 English pamphlets, 17th-19th centuries, and the Fraser Collection with about 900 books and pamphlets on tobacco and much material on positivism and secularism; Librarian D. A. CLARKE, M.A.

Manchester Public Libraries: Central Library, St. Peter's Square, Manchester 2; f. 1852; includes lending library (34 branches, inc. 2 mobile) of 678,918 vols., foreign library of 15,747 vols. and libraries in old people's homes, hospitals and prisons; also reference, commercial, technical and special libraries; prints, maps, plans, microfilm (including *Manchester Guardian 1821–1952*; *Manchester Mercury 1752–1830*); library theatre and resident company; City Librarian D. I. COLLEY, F.L.A.

Manchester University Library: Manchester, Lancashire; over 700,000 vols.; special collections include the Medical Society and Radford Library, Christie Collection (classical renaissance), Freeman Collection (history), Bullock Collection (Italian) and a History of Science Collection; Librarian Dr. MOSES TYSON.

Chetham's Library: Hunt's Bank, Manchester 3, Lancs.; f. 1653 as a free public reference library; *ca.* 70,000 vols. including many 17th and 18th century works; Librarian Miss HILDA LOFTHOUSE, M.A., F.L.A.

John Rylands Library: Deansgate, Manchester, Lancs.; f. 1899; reference and research library, contains 17,000 European and Oriental MSS. (including the collection of The Earl of Crawford and Balcarres) and some 250,000 deeds and charters; 490,000 printed books, including block-books, over 3,000 incunabula and other examples of early printing and bibliographical rarities from the Althorp Library of Earl Spencer; English tracts, 17th and 18th centuries, Mazarinades, French Revolution tracts, journals and broadsides; rare bindings and association copies; Chair. Prof. Sir WILLIAM MANSFIELD COOPER, LL.M.; Acting Librarian RONALD HALL, B.A.; publ. *Bulletin of the John Rylands Library* (half-yearly).

National Lending Library for Science and Technology: Walton, Boston Spa, Yorks.; f. 1961; administered by the D.S.I.R.; the books and periodicals are lent only to institutions and other libraries; large collection of Russian publications and translations; 350,000 vols., 12,000 current periodicals, 125 miles of microfilm; Dir. D. J. URQUHART, PH.D.; publs. *NLL Translations Bulletin* (monthly), *NLL News*.

Newcastle University Library: Newcastle upon Tyne; 275,000 vols.; special collections include the Heslop Collection of English dictionaries, Gertrude Bell Oriental Collection, Special Medical (historical) Collection, etc.; Librarian Dr. W. S. MITCHELL.

Newcastle upon Tyne City Libraries: New Bridge Street; Thomas Bewick Collection (wood engravings), Thomlinson Library (theological), local collections, music, commercial and technical libraries; 400,000 vols.; City Librarian E. AUSTIN HINTON, B.A., F.L.A.

Norwich Cathedral Dean and Chapter Library: Norwich, Norfolk; a medieval monastic (Benedictine) foundation; over 8,000 vols., some incunabula and MSS.; Librarian The Venerable L. J. BAGGOTT.

Nottingham Public Library: South Sherwood Street, Nottingham; 470,509 vols.; special collection of German literature, local history collection including works on Robin Hood, Byron collection; Librarian F. C. TIGHE, B.A., F.L.A.

Bodleian Library: the library of Oxford University; f. 1602; contains about 2,250,000 vols. and includes the Radcliffe Camera and three dependent libraries; the Radcliffe Science Library, the Indian Institute Library and Rhodes House Library (for the history of the British Commonwealth and of the United States); receives a copy of every book published in the U.K.; Librarian J. N. L. MYRES; publ. *The Bodleian Library Record* (two or three times a year).

Peterborough Cathedral Library: Peterborough, Northants.; contains *ca.* 8,000 vols., some important medieval MSS. and many early printed books; Librarian Canon J. L. CARTWRIGHT.

Ripon Cathedral Library: Ripon, Yorks.; f. 1608; mainly old books including a rare Caxton and many incunabula; some important 15th–16th century printed books, early MSS. Service Books, 13th–15th-century MSS., Books of Hours, 13th-century Bible, a collector's library of Anthony Higgins, f. 1570, preserved almost intact, etc.; Librarian Canon D. M. M. BARTLETT.

Royal Shakespeare Theatre Library: Stratford-upon-Avon, Warwicks. f. 1881; *ca.* 20,000 vols.; Librarian LEVI FOX, M.A., F.S.A.

Salisbury Cathedral Library: The Cathedral, Salisbury, Wilts.; f. 11th cent.; 9,000 vols., nearly 200 medieval MSS. and a contemporary copy of Magna Carta; Librarian Dr. ELSIE SMITH.

Sheffield City Libraries: Sheffield, Yorkshire; 794,000 vols., special collections include atomic energy reports; Wentworth Woodhouse muniments, Fairbank maps, Edmund Burke's correspondence, Arundel Castle MSS.; Librarian J. BEBBINGTON.

Sheffield University Library: Sheffield, Yorkshire; 302,000 books and pamphlets; special collection includes Sir Charles Firth's collection of 17th-century tracts; Librarian J. E. TOLSON, M.A.

WALES

Aberystwyth, University College of Wales Library: Aberystwyth, Cards.; f. 1871; about 178,600 vols. and pamphlets; Librarian A. AP GWYNN, M.A.

Cardiff Public Libraries: Central Library, Cardiff, Glam.; f. 1862; 675,000 volumes; Central Library; Reference Dept., including patents, maps, prints, periodicals, Societies' libraries; Research Dept., including MSS., deeds, documents, incunabula, large Welsh and other special reference collections; Commercial Dept., Lending Dept., and music collections; Headquarters of Glamorgan and Monmouth Regional Libraries Bureau; 17 br. libraries; City Librarian J. E. THOMAS, F.L.A.

Library of the National Museum of Wales: Cathays Park, Cardiff, Glam.; 64,000 vols.; Librarian ELIZABETH H. EDWARDS, F.L.A.

National Library of Wales: Aberystwyth, Cards.; f. 1907; one of the six copyright libraries of the British Isles; contains nearly 2,000,000 printed books, 30,000 MSS., over 3,500,000 deeds and documents and 120,000 maps,

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prints and drawings, including the finest existing Welsh collection; Librarian EVAN DAVID JONES; publs. *The National Library of Wales Journal* (twice yearly), *Bibliotheca Celtica* (annually).

St. Deiniol's Residential Library: Hawarden, Chester- f. 1895 by W. E. Gladstone; 70,000 volumes; accom, modation for 30 men and women students in Divinity, History, Philosophy, Psychology, Classics, Political and Social Science; Warden Rev. J. S. LAWTON, M.A., B.D., D.PHIL.(OXON.), M.A.(CANTAB.).

SCOTLAND

Aberdeen University Library: Aberdeen; 380,000 vols.; McBean Jacobite Collection, Day-Masson Collection of Celtic literature; Librarian Dr. W. D. SIMPSON.

Edinburgh Public Library: Central Public Library, George IV Bridge, Edinburgh, and 20 branches; f. 1890; 925,000 vols. and pamphlets; important reference library and special libraries of fine art, music, Edinburgh and Scottish history, topography, etc.; City Librarian and Curator C. S. MINTO, F.L.A.

Edinburgh University Library: Edinburgh; over 750,000 vols.; Blackie Collection of modern Greek books, Laing charters and MSS.; Halliwell-Phillipp Collection; Librarian E. R. S. FIFOOT, M.C., M.A., A.L.A.

Glasgow Public Libraries: Glasgow; include The Mitchell Library; f. 1874 (*see* below); Commercial Library, the Library of Patents and 36 district libraries; 1,661,350 volumes; special collections of books for the blind and foreign literature; Librarian C. W. BLACK, M.A., F.L.A.; publs. *Annual Report*, catalogues and book lists.

Mitchell Library: North Street, Glasgow, C.3; f. 1874; contains over 743,000 volumes, and has special collections on Glasgow (20,000 volumes), music (35,000 volumes), Robert Burns (3,500 volumes), and Scottish poetry (8,000 volumes); Librarian C. W. BLACK, M.A., F.L.A. The Library receives a copy of every publication issued by H.M.S.O., and is also a Depository Library for the unrestricted publications of the United Nations, and the unclassified publications of the Atomic Energy Authorities of U.S.A., U.K., Canada, France, and Norway.

Glasgow University Library and Hunterian Museum: Glasgow; 532,000 vols., Hunterian MSS., Euing Collection of Bibles, Hamilton Collection of philosophy, Ferguson Collection of the history of chemistry; Librarian R. O. MACKENNA.

National Library of Scotland: George IV Bridge, Edinburgh, formerly known as the Advocates' Library; f. 1682; contains over 2,000,000 vols. and pamphlets and a large collection of MSS.; under Copyright legislation may claim any book, etc., published in the United Kingdom; Chair. of the Trustees Rt. Hon. The Earl of CRAWFORD and BALCARRES, K.T., G.B.E., D.C.L.; Librarian W. BEATTIE, C.B.E., M.A., LL.D.; Keeper of MSS. W. PARK, M.A.; Keeper of Printed Books D. M. LLOYD, M.A.

Royal College of Physicians of Edinburgh Library: Edinburgh, 2; *ca.* 200,000 volumes; open to all medically qualified persons; almost exclusively medical; particularly rich in the early sources of medical knowledge and its periodical collection; over 1,000 volumes of MSS.; Librarian G. R. PENDRILL, M.A., A.L.A.

St. Andrews University Library: St. Andrews, Fife; *c.* 500,000 vols., MSS., maps and numerous special collections; Librarian D. MACARTHUR.

Scottish Central Library: Lawnmarket, Edinburgh; f. 1921 to maintain a stock of scarce and expensive books to supplement the reserves of Scottish public libraries, and to act as the headquarters for Scottish inter-library co-operation; photographic dept. for copying; *ca.* 30,000 volumes; Librarian M. C. POTTINGER, D.S.C., F.L.A.

Signet Library: Parliament Square, Edinburgh; date of foundation *ca.* 1722, but there were Writers to H.M. Signet as early as 1460; *ca.* 100,000 volumes; in the Library of the Society of Writers to Her Majesty's Signet are special collections of Scottish literature, genealogies, legal literature, including that of the British Commonwealth; Keeper of the Signet His Grace the Duke of BUCCLEUCH, K.T., G.C.V.O., P.C., LL.D.; Deputy Keeper Sir HUGH WATSON, M.A., LL.B.; Librarian JAMES A. CHRISTIE.

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MUSEUMS AND ART GALLERIES

ENGLAND

London

British Museum: Great Russell Street, W.C.1; f. 1753 in pursuance of the will of Sir Hans Sloane, and with the addition of the Cottonian and Harleian Libraries; opened 1759; present buildings begun 1823. Natural History Depts., S. Kensington (*see* below). Collections and exhibitions of prehistoric, ancient, medieval, oriental, ethnographical and other arts; books, manuscripts, prints, drawings, ceramics, coins and stamps. Includes the national library which contains over 6,000,000 printed books and manuscripts, and receives, under the provisions of the Copyright Act, a copy of every book, etc., published in the British Isles. Public Reading Rooms for research, admission by ticket on application to the Museum Director. Newspapers are in a special library at Colindale, London, N.W.9. Many catalogues and reproductions are published. Dir. Sir FRANK FRANCIS, K.C.B.; Sec. B. P. C. BRIDGEWATER; Principal Keeper of Printed Books R. A. WILSON, C.B.; Manuscripts T. C. SKEAT; Oriental Printed Books and Manuscripts K. B. GARDNER; Prints and Drawings E. F. CROFT-MURRAY; Egyptian Antiquities I. E. S. EDWARDS; Western Asiatic Antiquities R. D. BARNETT; Greek and Roman Antiquities DENYS HAYNES; British and Medieval Antiquities R. L. S. BRUCE-MITFORD; Oriental Antiquities B. GRAY, C.B.E.; Ethnography A. DIGBY; Coins and Medals J. WALKER; Research Laboratory A. E. WERNER.

British Museum (Natural History): Cromwell Road, South Kensington, S.W.7. Composed of the Natural History Departments of the British Museum, transferred to the present address 1881–1885, and a branch comprising the Zoological Museum at Tring, Herts.; in 1963 the Natural History Museum became a separate institution with its own body of trustees; Dir. T. C. S. MORRISON-SCOTT, D.S.C., D.SC., F.L.S., F.M.A.; Sec. W. A. FERGUSON; Keeper of Zoology F. C. FRASER, C.B.E., M.A., D.SC., F.M.A.; Deputy Keepers of Zoology J. D. MACDONALD, B.SC., J. P. HARDING, M.A., PH.D.; Keeper of Entomology J. P. DONCASTER, M.A.; Deputy Keeper of Entomology J. F. PERKINS, AGR.D., B.SC.; Keeper of Palæontology E. I. WHITE, C.B.E., D.SC., F.R.S.; Deputy Keepers of Palæontology H. D. THOMAS, M.A., PH.D., K. P. OAKLEY, D.SC., F.B.A., F.S.A. (Sub-dept. of Anthropology); Keeper of Minerals F. G. CLARINGBULL, B.SC., PH.D., F.G.S.; Deputy Keeper of Minerals A. A. MOSS, PH.D.; Keeper of Botany J. E. DANDY, M.A.; Deputy Keeper of Botany R. ROSS, M.A.; library: *see* Libraries.

British Transport Commission Museums: *See under* Museum of British Transport (London), and *under* Railway Museum (York).

Carlyle's House: 24 Cheyne Row, Chelsea, S.W.3: National Trust property containing a museum of Carlyle relics.

Courtauld Institute Galleries: Woburn Square, London, W.C.1; comprises the Lee collection of Old Masters, the Samuel Courtauld collection of French impressionist and post-impressionist paintings, the Roger Fry collection and the Sir Robert Witt collection of drawings; Dir. Sir ANTHONY BLUNT, K.C.V.O., F.B.A.

Dulwich College Picture Gallery: College Road, Dulwich, S.E.21; built 1814 by Sir John Soane to house the collection of 371 pictures bequeathed by the artist Sir Francis Bourgeois; pictures of the Flemish and Dutch Schools, also fine examples of Murillo, N. Poussin and Watteau; Hon. Surveyor Sir GERALD KELLY, K.C.V.O., P.P.R.A.; Clerk to the Govs. W. S. CONNOP, A.C.I.S.

Geffrye Museum: Kingsland Road, E.2; f. 1914; contains a small but excellent collection of furniture and domestic objects arranged in a series of period rooms from 1600 to the present day; Curator Mrs. M. HARRISON.

Geological Museum (Museum of Practical Geology): Exhibition Road, South Kensington, S.W.7; part of the Geological Survey and Museum (*q.v.*) administered by the Department of Scientific and Industrial Research; exhibits include a display of precious and semi-precious stones, numerous dioramas, and a large geological globe; fine collections of British minerals, rocks and fossils; the reserve collections include some 600,000 fossils and 160,000 minerals and rocks; Dir. Dr. C. J. STUBBLEFIELD, D.SC., A.R.C.S., F.R.S.; Curator A. J. BUTLER, O.B.E., M.SC., F.M.A.

Goldsmiths' Hall: Foster Lane, E.C.2; The Hall of the Worshipful Company of Goldsmiths of London; built 1830–35; architect, Philip Hardwick; this is the fourth Hall on the site, and contains one of the finest collections of ancient and modern silver plate, a library, exhibition room, assay office for the hallmarking of gold and silver plate; Clerk of the Company W. A. PRIDEAUX, M.C.

Guildhall Art Gallery: King Street, E.C.2; f. 1886 by the Corporation of London; exhibitions of the Corporation's pictures, loan exhibitions of important works, and the exhibitions of various art societies; Dir. RAYMOND SMITH, F.L.A., F.S.A.

Guildhall Museum: Royal Exchange, E.C.3; f. 1826 to collect and exhibit the antiquities of the City of London; inc. relics from the Temple of Mithras, Roman, mediæval and later pottery, glass, cutlery, weapons, etc.; Curator A. H. HALL, F.L.A.; Keeper NORMAN COOK, B.A., F.S.A., F.M.A.

Hampton Court Palace: Surrey; contains a collection of paintings, cartoons and tapestries, including Andrea Mantegna's nine great tempera paintings of "The Triumph of Julius Cæsar"; Queen's Surveyor of Pictures Sir ANTHONY BLUNT, C.V.O.; Curator E. J. RAINBOW, M.V.O.

Horniman Museum and Library: London Road, Forest Hill, S.E.23; f. 1901; man and his tools, musical instruments, the arts, magic and religion, and the natural history of animals, are the principal subjects illustrated in the Museum; library of 30,000 volumes, mainly on anthropology, prehistory, art, ethnomusicology and natural history; free lectures and concerts on subjects connected with the exhibits are given in autumn and winter; Curator Dr. O. W. SAMSON; Deputy Curator and Zoologist G. E. WILLIAMS, M.SC.; Sec. and Librarian Capt. L. J. P. GASKIN, F.L.A.; Asst. Curator (Ethnology) G. W. JARVIS, M.A.; Asst. Curator (Music) Mrs. S. JENKINS, B.A.

Imperial War Museum: Lambeth Road, S.E.1; a national museum and picture gallery; f. in 1917, illustrating and recording every aspect of the various operations in which the Armed Forces of the British Commonwealth have been engaged since 1914; contains exhibits, pictures, films, photographs and a library dealing with war at sea, on land, in the air and its civil aspects; Pres. H.R.H. The Duke of GLOUCESTER;

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Vice-Pres. and Chair. of the Board of Trustees Admiral of the Fleet Sir ALGERNON WILLIS, G.C.B., K.B.E., D.S.O.; Dir. Dr. A. N. FRANKLAND, D.F.C.; library.

Industrial Health and Safety Centre: (Factory Inspectorate: Ministry of Labour): Horseferry Road, S.W.1; opened 1927; a permanent exhibition of methods, arrangements, and appliances for promoting the safety, health and welfare of industrial workers; Dir. E. W. HODGSON.

Iveagh Bequest: Kenwood, Hampstead, N.W.3; left to the nation by the late Edward Cecil Guiness, K.P., first Earl of Iveagh, in 1927; includes paintings of British, Dutch, Flemish and French Schools, housed in an eighteenth-century mansion containing a fine Adam library; Admin. Trustees, London County Council; Curator ALISTER CAMPBELL.

London Museum: Kensington Palace, W.8; museum galleries and State Apartments; f. 1912 to exhibit collections bearing on the history of London; Chair. Board of Trustees Viscount HARCOURT, K.C.M.G., O.B.E.; Dir. D. B. HARDEN, O.B.E., M.A., PH.D., F.S.A., F.M.A.

Museum of British Transport (British Railways Board): Clapham High Street, London, S.W.4; f. 1961; contains models, lithographs, tickets, and furniture of public transport by rail, road and water; another section, contains actual locomotives, rail saloons, buses and trams; Curator J. H. SCHOLES, F.M.A.

National Gallery: Trafalgar Square, W.C.2; f. 1824; contains examples of all the principal European schools (works by living painters are at the Tate Gallery); public lectures on most weekdays; Chair. Lord ROBBINS; Dir. Sir PHILIP HENDY; Keeper MARTIN DAVIES; Deputy Keeper C. H. M. GOULD; Asst. Keepers M. LEVEY, G. H. D. MARTIN, A. BRAHAM; Scientific Adviser R. H. G. THOMSON.

National Maritime Museum: Greenwich, S.E.10; established 1934, opened 1937; illustrates British maritime history as exemplified by the work of the Royal Navy, Merchant Navy, Fishing Fleets, explorers and yachtsmen; the collection includes portraits and sea pieces, models, prints and drawings, instruments, maps and charts, seals, uniforms, medals and relics, ships' draughts, a library of books and MSS.; Flamsteed House, the oldest of the Royal Observatory buildings, was opened in 1960 as an annexe for navigation and astronomy; Dir. FRANK G. G. CARR, C.B.E., M.A., LL.B., F.S.A.

National Portrait Gallery: St. Martin's Place, W.C.2; f. 1857; collection contains over 4,000 portraits of eminent British men and women of the last 400 years; Dir. C. K. ADAMS, C.B.E.; Chair. of Trustees Sir GEOFFREY KEYNES, F.R.C.P., F.R.C.S.; Vice-Chair. Sir FRANK STENTON, F.B.A., F.R.HIST.S.

Public Record Office: Chancery Lane, London, W.C.2; exhibits include the Domesday Book and two copies of Magna Carta.

Royal College of Music: South Kensington, S.W.7; f. 1883; the College has a collection of musical instruments, of which the Donaldson bequest forms a substantial part.

Royal College of Surgeons' Museum: Lincoln's Inn Fields, W.C.2; formed upon the Hunterian Collection purchased by Parliament in 1799; opened in 1813 when there were about 13,682 specimens; many additions both to buildings and collections have been made since the first opening; part of the buildings and many valuable items were destroyed by enemy action in 1941, about 26,600 specimens being saved; since the War 4 new museums have been built and many specimens replaced; Conservator of the Anatomical Museum GILBERT CAUSEY, F.R.C.S.; Conservator of the Pathological Museum GEORGE CUNNINGHAM, M.B.E., M.D.; Anatomy Curator JESSIE DOBSON, B.A., M.SC., A.C.I.S.; Pathology Curator LANCELOT WALDRON PROGER, M.A., M.R.C.S.

Science Museum: South Kensington, S.W.7; f. 1857; the National Museum of Science and Industry; Dir. D. H. FOLLETT, M.A., PH.D., F.INST.P.; Keeper Physics Department F. A. B. WARD, M.A., PH.D., F.B.H.I., F.INST.P.; Keeper Chemistry Department S. E. JANSON, M.A., PH.D., B.SC.; Keeper Transport and Mining Department F. LEBETER, M.SC.; Keeper Electrical Engineering and Communications Department D. CHILTON, B.SC., A.R.C.S., D.I.C., A.INST.P.; Keeper Aeronautics and Sailing Ships Department W. T. O'DEA, B.SC., M.I.E.E.; Keeper Mechanical and Civil Engineering Department K. R. GILBERT, M.A., D.I.C.; Keeper Astronomy and Geophysics Department H. R. CALVERT, M.A., D.PHIL., B.SC., F.R.A.S.; Museum Supt. J. A. REEVE.

Sir John Soane's House and Museum: 13 Lincoln's Inn Fields, W.C.2; built in 1812 by Sir John Soane, R.A., Architect of Bank of England; est. by Act of Parliament, 1833, for the promotion of the study of architecture and allied arts; Curator Sir JOHN SUMMERSON, C.B.E., F.B.A., A.R.I.B.A.; library: *see* Libraries.

South London Art Gallery (Borough of Camberwell): Peckham Road, S.E.5; f. 1891; frequent exhibitions of paintings in oils and water colours, prints, etchings and sculptures; the permanent collection is exhibited from time to time; Curator Miss G. JOHNSON, F.L.A.

Tate Gallery (*National Gallery of British Painting, Modern Foreign Painting and Modern Sculpture*): Millbank, S.W.1; f. 1897 by Sir Henry Tate; contains the National Collections of British Painting, of Modern Foreign Painting, and of Modern Sculpture. The British section, which contains about 4,000 works, is especially rich in examples of Blake, Turner, Alfred Stevens, and the Pre-Raphaelites—the collection of foreign paintings and sculptures covers the period from Post-Impressionism to the present day; Dir. Sir JOHN ROTHENSTEIN, C.B.E., LL.D., PH.D., M.A., F.M.A.; Keeper N. R. REID, D.A. (Edin.), F.M.A., F.I.I.C.

Tower of London Armouries: London, E.C.3; the national collection of arms and armour, illustrating their development from the Middle Ages to 1914 and including the armour of the Tudor and Stuart sovereigns, and other historic relics including a non-European Section; Master of the Armouries A. R. DUFTY, A.R.I.B.A.; Asst. Master A. N. KENNARD, F.S.A.

Victoria and Albert Museum: S. Kensington, S.W.7; f. 1852, under the Ministry of Education; a museum of Fine and Applied Arts of all countries, periods and styles; also controls Bethnal Green Museum, Osterley Park, Apsley House, and Ham House; Dir. Sir TRENCHARD COX, C.B.E., D.LITT., F.S.A.; Keepers of Museum Depts.: Architecture and Sculpture, J. POPE-HENNESSY, C.B.E.; Ceramics, R. J. CHARLESTON; Circulation, H. G. WAKEFIELD; Prints, Drawings and Paintings, A. G. REYNOLDS; Metalwork, C. C. OMAN; Museum Extention Services, C. H. GIBBS-SMITH; Textiles, G. WINGFIELD DIGBY; Woodwork, H. D. MOLESWORTH; Indian Section, J. C. IRWIN.

Wallace Collection: Hertford House, Manchester Square, W.1; opened 1900; a collection of pictures, drawings, miniatures, sculpture, French furniture, ceramics, Sèvres porcelain, bronzes, arms and armour and objets d'art, bequeathed to the nation in 1897 by Lady Wallace; Dir. F. J. B. WATSON, M.V.O., F.S.A.

Wellcome Historical Medical Museum: The Wellcome Building, Euston Road, N.W.1; f. 1913 by Sir Henry S.

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Wellcome, LL.D.; the collection consists of about 200,000 exhibits illustrating the history of medicine and related aspects of the biological sciences from prehistoric times to the 20th century; prehistory, ethnographical, medieval, instrument and microscope collections especially valuable; print room contains 150,000 engravings and prints; original paintings, works of art and a large library of photographs; Dir. Dr. E. ASHWORTH UNDERWOOD, M.A., B.SC., M.D., M.R.C.P., F.L.S.; Library: *see* page Libraries.

Wellcome Museum of Medical Science: The Wellcome Building, Euston Road, N.W.1; presents diseases encountered in tropical and sub-tropical areas with illustrations, pathological, entomological and other specimens, photomicrographs and abstracts of recent literature; Dir. Lt.-Col C. A. BOZMAN, I.M.S. (retd.).

Wellington Museum: Apsley House, Hyde Park Corner, W.1; administered by the Victoria and Albert Museum; formerly the home of the first Duke of Wellington; fine Dutch, Flemish, Spanish paintings, together with historical portraits, silver plate, porcelain, the Duke's decorations and other personal relics; Keeper-in-Charge C. H. GIBBS-SMITH, F.R.S.A., F.M.A.; Officer-in-Charge H. V. PERCIVAL.

Whitechapel Art Gallery: High Street, Stepney, E.1; f. 1901; loan exhibitions held; no permanent collections, supported by voluntary contributions; Chair. of Trustees Rt. Hon. Viscount BEARSTED, D.L., T.D.; Dir. BRYAN ROBERTSON.

PROVINCES

The following is a selection from the many provincial museums of England.

Bowes Museum, The: Barnard Castle, Co. Durham; f. 1869 by Josephine and John Bowes; the collection was started in France and transferred to England when John Bowes endowed the foundations of the 22 galleries in 1885; museum opened 1892; includes paintings from European schools, metalwork, fine furniture, sculpture and tapestries; now administered by the Durham County Council; Dir. FRANK ATKINSON, B.SC., F.M.A.

Holburne of Menstrie Museum of Art: Bath, Somerset, f. 1882; to exhibit pictures, miniatures, silver, ceramics; glass, furniture, etc., in an 18th-century building; Chair. of Trustees C. J. ROBERTSON; Curator Mrs. A. M. BISHOP, M.A.

The American Museum in Britain: Claverton Manor, nr. Bath; f. 1959, opened 1961; first American museum in Europe; aims at illustrating the development of American decorative arts from 17th to 19th centuries; library; Dir. IAN MCCALLUM.

Birmingham City Museum and Art Gallery: f. 1867; Departments of Art (foreign schools from Renaissance, English from 18th century, early English water-colours and Pre-Raphaelite drawings, silver, ceramic and textile collections); Archæology, Ethnography and Birmingham History (collections from Ur, Nineveh, Jericho, Nimrud, Vinca and Vounos (Cyprus) in the Old World, Mexico and Peru in the New, Pre-historic, Roman, and British Medieval antiquities); Natural History.

Branch Museums: Department of Science and Industry; f. 1950; early industrial machinery and illustrations of scientific principles; Aston Hall (Jacobean house furnished as English country house); Blakesley Hall, Tudor house with collections of local history and fire engines; Dir. Dr. MARY WOODALL, C.B.E., PH.D., F.S.A., F.M.A.

Brighton Art Gallery and Museum: Church Street, Brighton, Sussex; collection of early (chiefly Netherlands) and modern paintings, water colours, prints and drawings; Japanese prints; English pottery and porcelain; primitive art, archaeology, geology, natural history, etc.; Dir. CLIFFORD MUSGRAVE, O.B.E.

Royal Pavilion: Brighton; once the marine palace of King George IV and other monarchs (1787-1846); interior decorations restored and original furniture; Dir. CLIFFORD MUSGRAVE, O.B.E.

Bristol Museum and Art Gallery: Queen's Road, Bristol 8; also Red Lodge, Park Row (f. 1957), Georgian House (f. 1792), Chatterton House Museum and Blaise Castle House; Dir. of City Museum ALAN WARHURST, B.A., F.S.A., F.M.A.; Dir. of City Art Gallery H. SCHUBART, M.A., F.M.A.; publs. guides, catalogues, *Quarterly Bulletin*, etc.

Towneley Hall Museum and Art Gallery: Towneley Hall, Burnley, Lancs.; f. 1902; paintings include works by Burne-Jones, W. Shayer, Snr., G. B. Moroni, Fred Walker, Marten van Valkenborch, David Cox, Gainsborough, Alma Tadema, Landseer, Richard Wilson, Constable, Sir W. Long, De Wint, Etty, and many other noted artists; collections of ivory, jade, glassware and period furniture; the Hall itself dates back to 1350; Curator H. C. THORNTON.

Fitzwilliam Museum: Trumpington Street, Cambridge; f. 1816; art collections of the University; pictures, drawings, prints, MSS., autographs, early printed books, music, coins, ceramics, textiles; Greek, Roman, and Egyptian antiquities, and an art library; Dir. C. WINTER, M.A.; Deputy Dir. J. W. GOODISON, M.A.; Librarian Miss P. M. GILES, M.A.; Keeper Administration L. A. HOLDER, M.A.; Keeper of Department of Antiquities R. V. NICHOLLS, M.A.; Asst. Keepers J. G. POLLARD, M.A. (Coin Room), M. CORMACK, B.A.(LOND.) (Paintings and Drawings), J. P. PALMER (Ceramics).

Museum of Archaeology and Ethnology: Downing Street, Cambridge; f. 1883; Curator G. H. S. BUSHNELL, M.A., PH.D., F.S.A.; Asst. Curator Miss M. D. CRASTER, M.A., F.S.A.

Museum of Zoology: Downing Street, Cambridge; f. 1865; Dir. F. R. PARRINGTON, SC.D., M.A.

Corinium Museum: Park Street, Cirencester, Glos.; Corinium was the second largest town in Roman Britain, one of the most important collections in the Kingdom illustrating the Roman occupation; mosaic pavements, sculpture, tombstones (military and civil), household domestic utensils, personal ornaments, pottery, earthenware, bronze, and other articles of varied use, all giving ample evidence of the importance and wealth of Corinium; Custodian J. REAL.

Colchester and Essex Museum: The Castle, Colchester, Essex; local antiquities and natural history; maintained by the Borough Council with the support of the Essex Archaeological Society. The large collections are from Colchester and Essex, and the Roman section is the largest in Britain. Curator D. T. D. CLARKE, M.A., F.S.A.

Wiltshire Archaeological and Natural History Society Museum: Long Street, Devizes, Wilts.; Curator F. K. ANNABLE, B.A., F.S.A.

Doncaster Museum and Art Gallery: Chequer Road, Doncaster, Yorks.; f. 1909; general and local museum collections; important Roman material; Art Gallery shows items from permanent collections in addition to temporary periodical exhibitions; Dir. E. F. GILMOUR, F.M.A., M.S.B.E.; publs. *Museum and Art Gallery Publications* 8vo. and 4to. series (irregular), *Catalogues*.

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Gloucester Museums: Gloucester; Curator J. NEUFVILLE TAYLOR. The three museums are as follows:

City Museum: Brunswick Road; f. 1859; natural science and archaeology (before A.D. 1500).

Folk Museum: Bishop Hooper's Lodging, Westgate Street; f. 1935; folk material and historical relics (from A.D. 1500).

Regimental Museum: Westgate Street; f. 1950; history of The Gloucestershire Regiment.

Tolson Memorial Museum: Ravensknowle, Huddersfield, Yorks.; opened 1922; illustrates natural and human history of the district; geology, botany, zoology, prehistory, folk-life, development of woollen industry, collection of horse-drawn vehicles; library of 3,000 volumes; meteorological station in the Park; Dir. E. W. AUBROOK, F.M.A.

Leeds Art Gallery: Municipal Buildings, Leeds 1, Yorks.; f. 1888; collection of English and French oil paintings of the 18th and 19th centuries, English water-colours, (including Sydney Kitson and Agnes and Norman Lupton collections); modern English paintings, sculptures and pottery; Dir. ROBERT ROWE, M.A.; publ. *Leeds Art Calendar* (quarterly); (*see also* Temple Newsam House).

Leeds City Museums: Park Row, Leeds 1, Yorks.; f. 1820 for the preservation and display of objects of historical, biological, geological, and archaeological importance, and for the furtherance of adult and child education by visual means; there are two museums in the city. The Central Museum houses natural history and archaeology; the other, the gatehouse of the now ruined Cistercian Monastery of Kirkstall, displays historical and folk material; Dir. C. M. MITCHELL, F.S.A., F.M.A.

Temple Newsam House: Halton, Leeds, Yorks.; Tudor-Jacobean house, previously residence of the Earl of Halifax; opened to the public 1923; art gallery and museum of decorative art; collections include furniture, Oriental and English pottery and porcelain, English paintings of 17th, 18th and 19th centuries, English water-colours and modern paintings; temporary exhibitions of old and modern paintings, sculpture, and furniture; Dir. ROBERT ROWE, M.A.; publs. *Leeds Arts Calendar* (quarterly), *Guides* and *Catalogues*.

Lincoln City and County Museum: Lincoln; f. 1906; exhibits collections from archæological and natural history collections from Lincolnshire; large collection of Roman antiquities from *Lindum colonia* (Lincoln); fine collection of armour and arms; Dir. F. T. BAKER, M.A., F.S.A.; Deputy Dir. Miss E. M. JAHN, F.L.A.

Usher Art Gallery: Lincoln; f. 1927; exhibits the Usher collection of antique watches, miniatures, Nanking porcelain, etc.; special collection of works by Peter De Wint and a general collection of art objects; Tennyson MSS. and personalia; Dir. F. T. BAKER.

Leicester Museums and Art Gallery: New Walk, Leicester; f. 1849; departments of antiquities, archives, art, biology, geology and schools service; the Muniment Room is a repository for the Manorial Rolls; library of 7,000 vols.; branch museums include The Newarke Houses, Belgrave Hall and the Guildhall; Dir. T. A. WALDEN, F.M.A.

Liverpool City Museums: William Brown Street, Liverpool 3, Lancs.; Museum, William Brown Street, Liverpool 3; f. 1851; buildings destroyed 1941, one gallery re-opened 1956, with selection of specimens from all departments; remainder stored; small Branch Museum at Sudley, Mossley Hill; Departments: Geology, Botany, Invertebrate Zoology, Vertebrate Zoology, Archaeology, Ethnology, Design and Photography, Conservation, Shipping; Zoology Dept. contains the Lord Derby, Tristram and other collections of bird skins, with many specimens; Archaeology Dept. includes the Mayer-Fejérváry Gothic Ivories, etc., and the Bryan Faussett group of Anglo-Saxon antiquities excavated in Kent in the 18th century; King's Liverpool Regiment Collections; Dir. T. A. HUME, B.A., F.S.A., F.M.A.

Walker Art Gallery: William Brown Street, Liverpool, Lancs.; f. 1877; Libraries, Museums and Arts Dir. T. H. SCRUTTON, M.A., F.M.A.

Manchester City Art Galleries: City Art Gallery, Mosley Street, Manchester 2, Lancs.; f. 1829; Annexe, Princess Street and branch galleries in Harpurhey, Heaton Park, Rusholme, Wythenshawe, and Didsbury; of these Heaton Hall, Heaton Park, is a Georgian Mansion designed by James Wyatt, and the Gallery of English Costume, Platt Hall, Rusholme, is one of the very few public museums to be wholly devoted to this subject; Dir. G. L. CONRAN, F.M.A.

Manchester Museum: The University, Manchester 13, Lancs.; f. 1821; archaeology, ethnology, geology, botany, zoology, entomology, etc.; Dir. DAVID E. OWEN, PH.D., F.M.A., F.G.S.; Keepers R. M. C. EAGAR, M.A., PH.D., F.M.A., F.G.S. (Geology); J. W. FRANKS, B.SC., PH.D. (Botany); E. L. SEYD, M.A., B.SC., F.L.S., A.M.A. (Zoology); A. BRINDLE, F.R.E.S. (Entomology); J. FORDE-JOHNSTON, M.A. (Ethnology and General Archaeology); T. BURTON-BROWN, M.A. (Egyptology and Classical Archaeology), Hon. Keepers Prof. F. C. THOMPSON, M.SC., D.MET., F.I.M. (Numismatics).

Hancock Museum: Barras Bridge, Newcastle upon Tyne, 2; f. 1829, present building 1884; general zoology, ornithology, geology, botany and ethnology; administered jointly by the Natural History Society of Northumberland, Durham and Newcastle upon Tyne and the University of Newcastle upon Tyne; Curator A. M. TYNAN, B.SC., F.M.A.

Laing Art Gallery and Museum: Newcastle upon Tyne, 1, Northumb.; f. 1904 to build up and preserve collections of pictorial, decorative and industrial art, to spread and encourage a knowledge of art in all its forms and to raise the standard of public taste; the Art Gallery contains water-colours of British School from 17th century onwards, British oil paintings 18th to 20th century, engravings and etchings, Japanese colour prints; the Museum contains Egyptian, Greek and Roman antiquities, decorative and industrial art (pottery, porcelain, glass, silver, etc.), European and Oriental arms and armour, and collections illustrating the history and industries of Newcastle upon Tyne and district; Curator B. COLLINGWOOD STEVENSON, M.A., F.M.A., F.R.S.A.

Museum of Antiquities of the University and the Society of Antiquities of Newcastle upon Tyne: The Quadrangle, The University, Newcastle upon Tyne; f. 1960; prehistoric, Roman and Anglo-Saxon collections, a set of scale models of Hadrian's Wall, and life-size reconstruction of a Temple of Mithras; Keeper and Sec. D. J. SMITH, PH.D., F.S.A.; library relating to Hadrian's Wall and local archæology.

Norwich Museums: Norwich, Norfolk; Curator F. W. CHEETHAM, B.A., A.M.A.

Bridewell Museum of Local Industries and Rural Crafts: f. 1925; industries and crafts of Norwich, Norfolk and North Suffolk.

Castle Museum: f. 1825; archaeology, art, natural history, geology of Norfolk, Norwich silver, etc.

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St. Peter Hungate Museum of Church Art: f. 1933; medieval ecclesiastical art, MSS., church plate, etc.

Strangers' Hall Museum of Domestic Life: f. 1922; furnished rooms 16th-19th centuries.

Nottingham Natural History Museum: Wollaton Hall, Nottingham; f. 1867; collections of botanical, zoological, geological, archaeological material; extensive British and foreign herbaria, Crowfoot collection of exotic butterflies, Pearson collection of European butterflies, Fowler collection of British Coleoptera, Hollier collection of Wenlock Limestone fossils, Carrington series of Mountain Limestone fossils; reference library of approx. 4,000 vols.; controlled by Nottingham Corporation; Curator H. C. S. HALTON, B.SC., F.M.A., M.S.B.E.

Ashmolean Museum: Oxford; f. 1683; contains the art and archaeological collections of the University of Oxford; paintings, drawings, sculpture, metalwork, ceramics and other works of art from the Middle Ages to the present day; coins, medals and paper money of all periods, lacquer and painting; Japanese ceramics, lacquer, painting, prints and metalwork; Indian and Tibetan sculpture; Keeper of the Ashmolean R. W. HAMILTON, M.A., F.B.A., F.S.A.

Plymouth Museums and Art Galleries and Cottonian Collection: Tavistock Road, Plymouth, Devon; f. 1897 to illustrate the arts and sciences of the West Country; the Cottonian Collection is of early printed and illuminated books, drawings and manuscripts; portraits by Sir Joshua Reynolds and a fine collection of old master drawings; the Museum administers Buckland Abbey, former home of Sir Francis Drake (vested in National Trust since 1948), now a Drake, Maritime and West Country Folk Museum (f. 1951), and the Elizabethan House, 32 New Street; Curator A. A. CUMMING.

Lady Lever Art Gallery, The: Port Sunlight, Cheshire; gift made to the public in 1922 by William Hesketh, First Viscount Leverhulme in memory of his wife, Lady Elizabeth Ellen Lever; collection includes paintings and drawings of the British School (from the late 17th century), sculpture, 18th-century English furniture, Chinese ceramics, Wedgwood ware, textiles and engravings; Curator RALPH FASTNEDGE, D.F.C., B.A.; publ. *Illustrated Guide.*

Harris Museum and Art Gallery: Market Square, Preston, Lancs.; Art Gallery includes the Devis Family of Painters (pictures and relics); 19th- and 20th-century paintings; drawings and sculpture; Museum contains ceramics, glass, costume, dolls and games, colour prints, Victoriana, numismatics, general and local archæology; Art Dir. and Curator HELENA GIBBON, F.M.A., F.R.S.A.

Reading Museum and Art Gallery: Reading, Berks.; f. 1883 to collect, preserve and exhibit objects of art, archaeology and science, especially of the district; special collections: Silchester collection of Romano-British remains; Dir. T. L. GWATKIN, M.A., F.M.A.

Museum of English Rural Life: 7 Shinfield Road, Reading; Keeper C. A. JEWELL, B.SC.

Salisbury, South Wilts. and Blackmore Museum: 42 St. Ann Street, Salisbury, Wilts.; Curator H. DE S. SHORTT, T.D., M.A., F.S.A., F.R.N.S., F.M.A.

National Army Museum: Camberley, Surrey; f. 1960; large collection of uniforms, colours, pictures, relics, medals, documents, etc., illustrating the history of British and Indian Armies and Colonial Forces.

Sheffield Museum: Weston Park, Sheffield 10, Yorks.; f. 1875; collections of Sheffield silver, Old Sheffield Plate, British and European cutlery, coins and medals, ceramics, local archæology, natural history, etc.; Dir. H. RAYMOND SINGLETON, B.SC., F.R.MET.S., F.G.S., F.Z.S., F.M.A.

Graves Art Gallery: Surrey Street, Sheffield; Dir. RICHARD SEDDON, PH.D., F.M.A., A.R.C.A.

Southampton Art Gallery: Civic Centre, Southampton, Hants.; f. 1892 for purchase and display of works of art, and to further art appreciation and cultural activity; new building opened 1939; the collection emphasises English contemporary and 18th century paintings; Curator M. A. PALMER, B.A., F.R.S.A., F.M.A.

Atkinson Art Gallery: Lord Street, Southport, Lancs.; f. 1878 for the exhibition of the town's permanent collection, the Spring Exhibition of Modern Art and other exhibitions; Curator H. BARWICK RATCLIFFE, A.R.C.A.

Wakefield City Art Gallery and Museum: Wentworth Terrace, Wakefield, Yorkshire; Dir. R. W. GELSTHORPE.

City Museum: Wood Street, Wakefield.

Wolverhampton Art Gallery and Museum: Lichfield Street, Wolverhampton, Staffs.; f. 1885; permanent collection of works of modern painters, fine collection of Early English Water Colours and a good collection of Bilston Enamels; branch museum at Bantock House, Bantock Park, containing fine examples of early Worcester Porcelain, Antique Chinese Porcelain and Carved Ivories; also Wolverhampton Bygones; Curator F. MASON, B.SC., D.P.A., F.L.A.

ailway Museum (British Railways Board): York; contains actual locomotives and other rail vehicles, equipment and fittings, lithographs and prints; Curator J. H. SCHOLES, A.M.A.

York Art Gallery: Exhibition Square, York; f. 1879; permanent collection consists of paintings of the Italian, Dutch, Flemish, German, French and English Schools and includes the Lycett Green Collection (presented through the N.A.C.F. 1955); there is a collection of works by William Etty, R.A. (a native of York), a gallery of modern art and an extensive collection of prints and drawings, largely devoted to the topography of York; Curator HANS HESS, F.M.A.; Art Assistant THEODORE MELVILLE, B.A.; publ. *Preview* (quarterly).

Castle Museum, York: f. 1938 as a museum primarily for local exhibits; Kirk collection illustrates the life of the region in the 17th, 18th and 19th centuries; the adjacent Debtor's Prison (opened 1952) contains early crafts and costumes and a county military section; Dir. R. PATTERSON, B.SC., F.M.A.; Chair A. L. PHILIPSON.

Yorkshire Museum: York; f. 1822; museum of the Yorkshire Philosophical Society; natural history, archaeology, ceramics; important Roman and Danish archaeological collections; library of *ca.* 7,000 volumes; Keeper G. F. WILLMOT; Librarian Miss EDITH HOLMES.

WALES

Museum of Welsh Antiquities, University College of North Wales: College Road, Bangor, Caernarvons.; f. 1890; collects and exhibits antiquities relating to the six counties of Anglesey, Caernarvonshire, Denbighshire, Flintshire, Merionethshire and Montgomeryshire; Curator R. T. JENKINS, C.B.E., D.LITT., F.S.A.

National Museum of Wales (*Amgueddfa Genedlaethol Cymru*): Cathays Park, Cardiff; f. 1907; a museum of the natural sciences, archaeology, industry and art with special reference to Wales; brs.: Welsh Folk Museum at St. Fagans, the Turner House Art Gallery at Penarth and the Legionary Museum at Caerleon;

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Pres. The Most Hon. The Marquess of ANGLESEY, F.S.A.; Dir. D. DILWYN JOHN, C.B.E., T.D., D.SC., F.M.A.; Keepers of Depts.: D. A. BASSETT, B.SC., PH.D., F.G.S., S. G. HARRISON, B.SC., D. MORGAN REES, M.A., COLIN MATHESON, M.A., B.SC., F.M.A., R. L. CHARLES, M.C., B.A., F.M.A., H. N. SAVORY, M.A., D.PHIL., F.S.A., F.M.A.; Sec. R. J. H. LLOYD, D.L., T.D.; publ. *Annual Report*.

Welsh Folk Museum: St. Fagans; Curator IORWERTH C. PEATE, M.A., D.SC., D.LITT.CELT., F.S.A., F.R.S.A. F.M.A.

County Borough of Newport Museum and Art Gallery: Dock Street, Newport, Mon.; f. 1888; special collections of Roman material from Caerleon and Caerwent; oils, early English water-colours, and prints; natural and local history collections; Dir. R. GREGORY ABSALOM, M.SC., PH.D., F.M.A.

SCOTLAND

Burgh Museum: Corberry Hill, Dumfries; building erected as a windmill 1798; f. 1835 as an observatory; gradually developed into a regional museum; main hall built 1862; reconstructed 1935 as a museum exhibiting natural history and archaeological material and personalia from Dumfries and Galloway, Roman relics and Stone and Bronze Age implements and bygones; collections of dress materials, aerial photographs, ornithological exhibits; thatched cruck-framed cottage at Torthorwald, near Dumfries, furnished as country cottage of 1750-1850; *Camera Obscura* installed 1836; MSS. relative to Burns, Carlyle, Scott, Barrie, etc.; portrait gallery and room of local prints, etc.; Old Bridge House (1620) period and historical rooms; Curator A. E. TRUCKELL, F.S.A.(SCOT.), F.M.A., M.A.; Assistant Curator H. TRUCKELL.

Burns Museum: Alloway, Ayrshire; MSS. and correspondence of the poet Robert Burns; Curator THOMAS MCMYNN.

Edinburgh Corporation Museums: Three museums of local history and topography at Huntly House Canongate, Canongate Tolbooth; and at Lady Stair's House, Lawnmarket, also Museum of Childhood, Hyndfords' House, High Street. Special collections Scott, Burns, Highland Dress. City Librarian and Curator C. S. MINTO, F.L.A., Superintendent of Museums GEORGE A. YOUNG, F.M.A.

Glasgow Art Galleries and Museum: Kelvingrove, Glasgow; art collection f. 1856, now extensive, with pictures representative of Italian, Dutch, Flemish and French Schools, including Rembrandt, Rubens and Botticelli; collection of British, especially Scottish art; McInnes Collection of modern French painting, Victor J. Cumming Collection of British domestic silver, Burrell Collection of furniture, tapestries, etc.; sculpture, ceramics, *objets d'art*; museum has the Scott and Whitelaw Collections of arms and armour; archaeological and ethnographic collections; a large section is devoted to ship models and engineering, and the Natural History department contains birds, mammals, and is especially rich in geological material. Dir. STUART M. K. HENDERSON, B.SC., PH.D., F.M.A.

National Gallery of Scotland: The Mound, Princes Street, Edinburgh 1; f. 1859; a collection of European paintings, drawings and prints from Italian primitives onwards and outstanding examples of the Scottish School; Dir. DAVID BAXANDALL, C.B.E., B.A., F.M.A.; Chief Restorer H. R. H. WOOLFORD, F.M.A.; Keeper of Paintings COLIN THOMPSON, M.A.; Keeper of Prints and Drawings KEITH ANDREWS, F.S.A.; Sec. R. J. INGLIS.

Scottish National Portrait Gallery: Queen's Street, Edinburgh; f. 1882; portraits of Scottish historical interest; an extensive reference section of engravings and photographs of portraits; Dir. DAVID BAXANDALL, C.B.E., B.A., F.M.A.; Keeper R. E. HUTCHINSON; Asst. Keeper B. C. SKINNER, M.A.

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Number of students (1962-63): 1,879 men, 811 women, total 2,690.

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COOPER, K. E., B.SC., PH.D., M.R.C.S., L.R.C.P. (Bacteriology).
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HORNBY, J. A., M.A., LL.B. (Law).

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The Baptist College: Woodland Road, Bristol, 8; f. 1679.
Principal: Rev. L. G. CHAMPION, B.A., B.D., D.TH.

Western College: Cotham, Bristol, 6; f. 1752.
Principal: Rev. BASIL H. SIMS, M.A., B.LITT.

Didsbury College: Westbury-on-Trym, Bristol; f. 1842; Theological College.
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Tyndale Hall Theological College: Clifton, Bristol; f. 1925; missionary and theological college.
Principal: Rev. J. STAFFORD WRIGHT, M.A.

Clifton Theological College: Stoke House, Bristol, 9; f. 1907.
Principal: Rev. T. ANSCOMBE, M.A.

Long Ashton Agricultural and Horticultural Research Station: Long Ashton, Bristol; f. 1903.
Director: Prof. H. G. H. KEARNS, O.B.E., B.SC., PH.D.
Number of research and teaching staff: 50.

Gloucestershire Training College of Domestic Science: Barrack Square, Gloucester; f. 1891.
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Number of students (October 1962): 8,177 men, 863 women, total, 9,040.

Publications: *Statutes and Ordinances of the University*, 1961, *Supplement* 1963, *Cambridge University Annual Register*, *Cambridge University Reporter* (weekly during full term and occasionally at other times), *The Student's Handbook to Cambridge*.

University Press: Sec. to the Syndics R. W. DAVID, M.A.; University Printer B. CRUTCHLEY, C.B.E., M.A.

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WILLMER, E. N., SC.D., F.R.S. (Histology).

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MILLS, I. H., M.D. (Medicine).
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READERS:

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MANN, T. R. R., C.B.E., SC.D., F.R.S. (Physiology of Animal Reproduction).

Department of Education:

PROFESSOR:

ARNOLD LLOYD, W., PH.D. (Education).

Department of Chemical Engineering:

PROFESSOR:

DANCKWERTS, P. V., G.C., M.B.E., M.A. (Chemical Engineering).

MEN'S COLLEGES:
(in order of their foundation)

Peterhouse: f. 1284.
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Clare College: f. 1326.
Master: Sir ERIC ASHBY, M.A., F.R.S.

Pembroke College: f. 1347.
Master: Prof. Sir WILLIAM VALLANCE DOUGLAS HODGE, SC.D., F.R.S.

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Corpus Christi College: f. 1352.
Master: Sir FRANK GODBOULD LEE, G.C.M.G., K.C.B., M.A.

King's College: f. 1441.
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Master: Prof. DENYS LIONEL PAGE, LITT.D., F.B.A.

Christ's College: f. 1505.
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St. John's College: f. 1511.
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Magdalene College: f. 1542.
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Sidney Sussex College: f. 1596.
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New Hall: f. 1954.
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Publications: *Durham University Journal, Durham University Gazette, Durham Research Review.*

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MOSSOP, D. J., M.A., DOCT. D'UNIV. (French).
OFFLER, H. S., M.A. (Medieval History).
SCOTT, D. F. S., M.A., DR.PHIL. (German).
SHARROCK, R., M.A., B.LITT. (English).
SKEMP, JOSEPH BRIGHT, M.A., PH.D. (Greek).
SMITH, FREDERICK VIGGERS, M.A., PH.D., F.B.PS.S. (Psychology).
SMITHERS, G. V., M.A. (English Language and Medieval Literature).
THACKER, THOMAS WILLIAM, M.A. (Semitic Philology).
WOODCOCK, ERIC CHARLES, M.A. (Latin).

Faculty of Science:
BARKER, D., M.A., D.PHIL. (Zoology).
BRANSDEN, B. H., B.SC., PH.D., F.INST.P. (Theoretical Phsyics).
COATES, GEOFFREY EDWARD, M.A., D.SC., F.R.I.C. (Chemistry).
DUNHAM, KINGSLEY CHARLES, PH.D., D.SC., S.D., F.R.S., F.G.S. (Geology).
MUSGRAVE, W. K. R., PH.D., D.SC. (Organic Chemistry).
REUTER, G. E. H., M.A. (Pure Mathematics).
ROCHESTER, GEORGE DIXON, M.SC., PH.D., F.R.S., F.INST.P. (Physics).
STEWARTSON, KEITH, M.A., PH.D. (Applied Mathematics).
VALENTINE, DAVID HENRIQUES, M.A., PH.D., F.L.S. (Botany).
WRIGHT, D. A., M.SC., D.SC., F.INST.P. (Applied Physics).

Faculty of Education:
EAGLESHAM, ERIC JOHN ROSS, M.A., B.ED., LL.B. (Education).

COLLEGES:

University Office: Old Shire Hall, Durham.
Warden: DERMAN GUY CHRISTOPHERSON, O.B.E., D.PHIL., F.R.S., A.M.I.C.E., M.I.MECH.E.

University College: f. 1833.
Master: L. SLATER, M.A.

Hatfield College: f. 1846.
Master: THOMAS WHITWORTH, M.A., D.PHIL.

Grey College: f. 1958
Master: S. HOLGATE, M.A., PH.D.

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St. Chad's College: f. 1904.
Principal: Rev. Canon T. S. WETHERALL, M.A.

St. John's College: f. 1909.
Principal: Rev. Canon J. P. HICKINBOTHAM, M.A.

College of the Venerable Bede: f. 1841.
Principal: K. G. COLLIER M.A.

St. Cuthbert's Society: f. 1871; known as non-Collegiate until 1947.
Principal: J. L. BROOKS, B.A.

St. Mary's College: f. 1899.
Principal: Mrs. MARY HOLDSWORTH, M.A.

St. Hild's College: f. 1858.
Principal: NINA M. E. JOACHIM, M.A.

Neville's Cross College: f. 1921.
Principal: MARY WHITLEY, B.A.

St. Aidan's College: f. 1895; known as Home Students until 1947, and St. Aidan's Society until 1961.
Principal: Dame ENID RUSSELL-SMITH, M.A.

AFFILIATED COLLEGES:

Codrington College: Barbados, British West Indies.

Fourah Bay College, The University College of Sierra Leone; Freetown, Sierra Leone.

UNIVERSITY OF EAST ANGLIA

EARLHAM HALL, NORWICH
Telephone: NOR 52651

Founded 1961

First students admitted in 1963

Chancellor-elect: The Rt. Hon. The Viscount MACKINTOSH OF HALIFAX, D.L., LL.D., J.P.
Vice-Chancellor: F. THISTLEWAITE, M.A.
Registrar: G. A. CHADWICK, B.SC.
Librarian: W. L. GUTTSMAN, M.SC.

Number of students (Oct. 1963): 54 men, 59 women, total 113.
Publication: *The University of East Anglia: Prospectus.*

DEANS:

School of European Studies: G. BARRACLOUGH, M.A.
School of English Studies: I. P. WATT, M.A.
School of Social Studies: C. R. ROSS, M.A.
School of Biological Sciences: T. A. BENNET-CLARK, B.A., M.A., PH.D., F.R.S.
School of Chemical Sciences: A. R. KATRITZKY, M.A., D.PHIL., B.SC., PH.D., D.SC., F.R.I.C.

PROFESSORS:

ASHTON, R. (English History).
BARRACLOUGH, G. (European Studies).
BENNET-CLARK, T. A. (Biology).
CAMPBELL, R. H. (Economic History).
DAINTY, J. (Biology).
DICK, M. W. (Philosophy).
EMERSON, A. R. (Sociology).
KATRITZKY, A. R. (Chemistry).
KITCHING, J. A. (Biology).
ROSS, C. R. (Economics).
WATT, I. P. (English Literature).

EDINBURGH UNIVERSITY

EDINBURGH
Telephone: NEW 1011

Founded 1583.

Chancellor: H. R. H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., K.T., G.B.E., LL.D., F.R.S.
Vice-Chancellor and Principal: Sir EDWARD V. APPLETON, G.B.E., K.C.B., M.A., D.SC., SC.D., LL.D., LITT.D., F.R.C.S.E., F.R.S.E., F.R.S.
Rector: Rt. Hon. JOSEPH GRIMOND, T.D., M.A., LL.D., M.P.
Registrar: CHARLES H. STEWART, O.B.E., J.P., M.A., LL.B., C.A.
Librarian: E. R. S. FIFOOT, M.C., M.A., A.L.A.

The library contains over 700,000 bound volumes and 1,000 current periodicals.
Number of teaching staff: 800 including 77 professors.
Number of students (1961-62): 5,268 men, 2,205 women total 7,473.
Publication: *Edinburgh University Calendar.*

DEANS:

Faculty of Divinity: Very Rev. Prof. J. H. S. BURLEIGH, M.A., B.D., B.LITT., D.D.
Faculty of Law: Prof. A. H. CAMPBELL, B.C.L., M.A., LL.M., LL.D.
Faculty of Medicine: Prof. J. H. F. BROTHERSTON, M.A., M.D., D.P.H., DR.P.H., F.R.C.P.E., F.R.S.E.
Faculty of Arts: Prof. A. J. BEATTIE, M.A., F.R.S.E.
Faculty of Science: Prof. M. M. SWANN, M.A., PH.D., F.R.S., F.R.S.E.
Faculty of Music: Prof. S. T. M. NEWMAN, C.B.E., M.A., D.MUS., F.R.S.E., HON.R.A.M., F.R.C.O., F.T.C.L.
Faculty of Social Sciences: Prof. N. C. HUNT, B.COM., PH.D.

PROFESSORS:

Faculty of Divinity:
ANDERSON, G. W., M.A., D.D. (Old Testament Literature and Theology).
BURLEIGH, J. H. S., M.A., B.D., B.LITT., D.D. (Ecclesiastical History).
MCINTYRE, J., M.A., B.D., D.LITT., D.D. (Divinity).
PORTEOUS, N. W., M.A., D.D. (Hebrew and Semitic Languages).
STEWART, J. S., M.A., B.D., D.D. (New Testament Language, Literature, and Theology).
TINDAL, W. S., O.B.E., M.A., D.D. (Christian Ethics and Practical Theology).
TORRANCE, T. F., M.B.E., M.A., B.D., D.THEOL., D.D., (Christian Dogmatics).

Faculty of Law:
CALDER, RITCHIE, C.B.E., M.A. (International Relations).
CAMPBELL, A. H., B.C.L., M.A., LL.M., LL.D. (Public Law).
HENRY, G. L. F., B.L., W.S., N.P. (Conveyancing).
MITCHELL, J. D. B., LL.B., PH.D. (Constitutional Law).
MONTGOMERY, G. A., Q.C., M.A., LL.B. (Scots Law).
SMITH, T. B., Q.C., D.C.L., M.A., LL.D., F.B.A. (Civil Law).

Faculty of Medicine:
BEAGRIE, G. S., L.D.S., F.D.S.A.C.S.E. (Restorative Dentistry).
BODDIE, G. F., B.SC., M.R.C.V.S., F.R.S.E. (Veterinary Medicine).
BOYES, J., F.R.C.S.E., F.D.S.R.C.S., F.D.S.R.C.S.E. (Dental Surgery).
BROTHERSTON, J. H. F., M.A., M.D., D.P.H., DR.P.H., F.R.C.P.E., F.R.S.E. (Public Health and Social Medicine).
BROWN, R., D.SC., F.R.S. (Botany).
BRUCE, Sir JOHN, C.B.E., M.B., CH.B., F.R.C.S.E. (Clinical Surgery).
CARSTAIRS, G. M., M.A., M.D., F.R.C.P.E., D.P.M. (Psychological Medicine).
CROFTON, J. W., M.A., M.D., F.R.C.P., F.R.C.P.E. (Tuberculosis and Diseases of the Respiratory System).
CRUICKSHANK, ROBERT, M.D., F.R.C.P., F.R.C.P.E., F.R.S.E., D.P.H. (Bacteriology).
DONALD, K. W., D.S.C., M.A., M.D., D.SC., F.R.C.P., F.R.C.P.E., F.R.S.E. (Medicine).
ELLIS, R. W. B., O.B.E., M.A., M.D., F.R.C.P.E., F.R.C.P. (Child Life and Health).
FISHER, R. B., M.A., D.PHIL. (Biochemistry).
GILLINGHAM, F. J., M.B.E., M.B., B.S., F.R.C.S.E., F.R.C.S. (Neurological Surgery).
GIRDWOOD, R. H., M.D., PH.D., F.R.C.P., F.R.C.P.E. (Therapeutics).
IGGO, A., B.SC., M.AGR., D.SC., PH.D. (Veterinary Physiology).
JAMES, J. I. P., M.B., M.S., F.R.C.S. (Orthopædic Surgery).
KELLAR, R. J., M.B.E., M.B.CH.B., F.R.C.P., F.R.C.S., F.R.C.O.G. (Obstetrics and Gynæcology).

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McWHIERTER, R., C.B.E., M.B., CH.B., F.R.C.S., F.F.R., D.M.R.E. (Medical Radiology).
MONTGOMERY, G. L., C.B.E., T.D., PH.D., M.D., F.R.F.P.S.G. (Pathology).
PERCIVAL G. H., M.D., PH.D., D.P.H., F.R.C.P.E. (Dermatology).
PERRY, W. L. M., O.B.E., M.D., D.SC. (Pharmacology).
ROBERTSON, A., C.B.E., M.A., B.SC., PH.D., M.R.C.V.S., F.R.I.C., F.R.S.E. (Veterinary Hygiene and Preventive Medicine).
ROMANES, G. J., B.A., PH.D., M.B., CH.B., F.R.C.S.E., F.R.S.E. (Anatomy).
SCOTT, G. I., M.A., M.B., CH.B., M.R.C.P.E., F.R.C.S., F.R.S.E. (Opthalmology).
SPREULL, J. S. A., PH.D., M.R.C.V.S. (Veterinary Surgery).
WHITBY, L. G., M.A., PH.D., M.D., B.CHIR., M.R.C.P. (Clinical Chemistry).
WOODRUFF, M. F. A., B.E.E., D.SC., M.D., M.S., F.R.C.S., F.R.C.S.E., F.R.A.C.S. (Surgical Science).
(Vacant—Forensic Medicine).

Faculty of Arts:
AITKEN, A. C., M.A., D.SC., LL.D., F.R.S. (Mathematics).
BEATTIE, A. J., M.A., F.R.S.E. (Greek).
BUTT, J. E., M.A., B.LITT., F.B.A., (Rhetoric and English Literature).
CAMPBELL, I. M., M.A. (Humanity).
FEATHER, N., B.A., B.SC., PH.D., F.R.S. (Natural Philosophy).
HAY, D., M.A. (Medieval History).
HORN, D. B., M.A., D.LITT. (Modern History).
JACKSON, K. H., M.A., LITT.D., D.LITT.CELT., Hon. D.LITT. (Wales), F.B.A. (Celtic Languages, Literature, History and Antiquities).
KEMMER, N., M.A., DR.PHIL., F.R.S. (Natural Philosophy).
McINTOSH, A., M.A., A.M. (English Language and General Linguistics).
McMILLAN, D., B.A., PH.D., DIP. DE L'E. H.E. (French Language and Romance Linguistics).
MACQUEEN, J., M.A. (English Literature—Medieval and Renaissance).
MASON, E. C., M.A., DR.PHIL, (German).
PARKER, A. A., M.A. (Spanish).
PIGGOT, S., B.LITT., D.LITT.HUM., F.B.A. (Archæology).
RICE, D. T., M.B.E., M.A., B.SC., D.LITT., F.S.A. (Fine Art).
ROSSI, M. M., M.A., PH.D., LIB.DOC. (Rome) (Italian).
SHEPPERSON, G. A., M.A. (Commonwealth and American History).
STEELE, A. J., M.A. (French Literature).
WALSH, W. H., M.A. (Logic and Metaphysics).
WARD, O., M.A. (Russian).
(Vacant—Sanskirt, Economic Science).

Faculty of Science:
ARNOLD, R. N., D.SC., D.ENG., PH.D., M.I.MECH.E., M.I.C.E. (Engineering).
BLACK, J. M., M.A., D.PHIL. (Forestry and Natural Resources).
BRÜCK, H. A., D.PHIL., PH.D., F.R.S.E. (Astronomy—Regius).
CALDERBANK, P. H., D.SC., M.I.CHEM.E., F.A.S.E. (Chemical Engineering).
COTTRELL, T. L., B.SC., D.SC. (Chemistry).
FARVIS, W. E. J., B.SC., B.SC.(ENG.). M.I.E.E., F.R.S.E.
HENDRY, A. W., B.SC., PH.D., D.SC., M.I.C.E., M.I.STRUCT.E., F.S.R.E. (Civil Engineering).
HIRST, E. L., C.B.E., M.A., D.SC., SC.D., LL.D., F.R.S.E., F.R.S. (Organic Chemistry).
MCADAM, R., B.SC., PH.D., M.I.MIN.E., F.R.S.E. (Mining).
MITCHISON, J. M., M.A., PH.D. (Zoology).
STEWART, F. H., B.SC., PH.D., F.R.S.E. (Geology).
SWANN, M. M., M.A., PH.D., F.R.S., F.R.S.E. (Natural History).
WADDINGTON, C. H., C.B.E., M.A., SC.D., D.SC., F.R.S. (Animal Genetics).
WATSON, S. J., C.B.E., D.SC., F.R.I.C., F.R.S.E. (Agriculture and Rural Economy).

Faculty of Music:
NEWMAN, S. T. M., C.B.E., M.A., D.MUS., F.R.S.E., HON.R.A.M., F.R.C.O., F.T.C.L. (Music).

Faculty of Social Sciences:
ANDERSON, D. S., M.A., C.A. (Accounting and Business Method).
DREVER, J., M.A., F.R.S.E. (Psychology).
HANHAM, H. J., M.A., PH.D., F.R.HIST.S. (Politics).
HUNT, N. C., B.COM., PH.D. (Organisation of Industry and Commerce).
MATTHEW, Sir ROBERT H., C.B.E., M.A., A.R.S.A., P.R.I.B.A., F.R.I.A.S., F.A.I.A. (Architecture).
PILLEY, J. G., M.A. (Theory, Practice and History of Education).
SAUL, S. B., B.COM., PH.D. (Economic History).
WATSON, J. W., M.A., PH.D., F.R.S.C., F.R.S.E. (Geography).
YOUNGSON, A. J., M.A., D.LITT. (Economic Science).

CONSTITUENT COLLEGES:

New College: f. 1846.
Principal: Very Rev. Prof. J. H. S. BURLEIGH, M.A., B.D., B.LITT., D.D.

NOTE.—The Royal (Dick) Veterinary College was embodied within the University of Edinburgh on April 1st, 1951, and is now called the Royal (Dick) School of Veterinary Studies.

Heriot-Watt College: Chambers Street, Edinburgh; f. 1821.
Principal: HUGH B. NISBET, C.B.E., PH.D., D.SC. F.R.I.C., F.R.S.E.
Number of teachers: 100 full-time, 107 part-time.
Number of students: 737 full-time, 840 part-time, 1,750 evening.

ASSOCIATED COLLEGE:

Edinburgh and East of Scotland College of Agriculture, The: West Mains Road, Edinburgh, 9; f. 1901.
Principal: Prof. STEPHEN J. WATSON, C.B.E., M.SC., D.SC., F.R.I.C., F.R.S.E.
Secretary and Treasurer: A. S. BOYD, S.C.C.S.
Number of teachers: 37.
Number of students: 210.
Publications: *Calendar, Annual Report, Farms Guide, Bulletins, Rural Advisory Leaflets,* etc.

UNIVERSITY OF ESSEX

WIVENHOE PARK, COLCHESTER, ESSEX
Telephone: Colchester 5141

Founded 1962

Chancellor: The Rt. Hon. R. A. BUTLER, P.C., C.H., M.A., LL.D.
Vice-Chancellor: Dr. A. E. SLOMAN, D.PHIL., M.A.
Registrar: A. ROWLAND-JONES, M.A.
Librarian: PHILIP LONG, M.A.

The first students will be admitted in 1964.

The University is to be organised by schools and not faculties and during the first year teaching will be in three schools: School of Social Studies, School of Comparative Studies, School of Physical Studies.

PROFESSORS:

BLONDEL, J. F. P. (Government).
DAVIE, Dr. D. (Literature).
GIBSON, Dr. A. F. (Physics).
LIPSEY, R. G. (Economics).
PROUDMAN, Dr. I. (Applied Mathematics).
TOWNSEND, P. B. (Sociology).

UNIVERSITY OF EXETER

EXETER
Telephone: 77911

Chartered 1955.

Chancellor: The Dowager Duchess of DEVONSHIRE, G.C.V.O., C.B.E., LL.D.
Vice-Chancellor: Sir JAMES COOK, D.SC., SC.D., D.de.l'U., PH.D., F.R.I.C., F.R.S.
Secretary: RODERICK ROSS, M.A.(ADMIN.).
Academic Registrar: ALAN G. BARTLETT, M.A.
Librarian: J. L. LLOYD, M.A., F.R.S.L., F.S.A.
The library contains 135,000 volumes (*see* Libraries).

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Number of teachers: 195 full-time including 22 professors.

Number of students (1963): approx. 1,768 men and women.

Publications: *Calendar, Prospectus, Scholarship Pamphlet* (annual), *Gazette* (termly).

DEANS:

Faculty of Arts: Prof. F. W. CLAYTON, M.A.
Faculty of Law: Prof. C. F. PARKER, M.A., LL.B.
Faculty of Science: Prof. D. REES, M.A., SC.D.
Faculty of Social Studies: Prof. A. DAVIES, M.SC.

PROFESSORS AND HEADS OF DEPARTMENTS:

Faculty of Arts:
BARLOW, F., M.A., D.PHIL. (History)
CLAYTON, F. W., M.A. (Classics).
D'AETH, R., A.M., PH.D. (Education).
GARLAND, H. B., M.A., PH.D. (German).
MERCHANT, Rev. Dr. W. M., M.A., D.LITT. (English).
NIKLAUS, R., PH.D., L. ÈS L. (French).
O'CONNOR, D. J., M.A., PH.D. (Philosophy).
PORTER, Rev. J. R., M.A. (Theology).

Faculty of Science:
CALDWELL, J., D.SC., PH.D. (Botany).
CONN, G. K. T., M.A., PH.D. (Physics).
DAVIES, A., M.SC. (Geography and Psychology).
HARVEY, L. A., M.SC., A.R.C.S., D.I.C. (Zoology).
PRICE, A. T., D.SC. (Applied Mathematics).
REES, D., M.A., SC.D. (Pure Mathematics).
REID, R. L., M.A. (Psychology).
RYDON, H. N., PH.D., D.PHIL., D.SC., D.I.C., A.R.C.S., F.R.I.C. (Chemistry).
SIMPSON, S., M.A., DR.RER.NAT., F.G.S. (Geology).

Faculty of Social Studies:
MITCHELL, G. D., M.B.E., B.SC. (Sociology).
SYKES, J., M.A., M.COM., PH.D. (Economics).
WALKER, D., M.A. (Economics).

Faculty of Law:
PARKER, C. F., M.A., LL.B. (Law).
WISEMAN, H. V., M.A., B.SC., PH.D., LL.B. (Government).

Extra-Mural Studies:
SELLON, H. G. R., M.A. (Extra-Mural Studies).

Post Graduate Medical Institute:
MATTINGLY, D., M.B., B.SC., M.R.C.P. (Director).

Institute of Education:
PEDLEY, R., M.A. ,PH.D. (Director).

GLASGOW UNIVERSITY

GLASGOW, W.2
Telephone: WEStern 8855.

Founded 1451, reconstituted 1577.

Chancellor: Rt. Hon. Lord BOYD ORR OF BRECHIN, D.S.O., M.C., M.A., M.D., D.SC., LL.D., F.R.S.
Vice-Chancellor and Principal: CHARLES H. WILSON, M.A., LL.D.
Rector: Chief ALBERT LUTHULI.
Registrar: R. T. HUTCHESON, O.B.E., J.P., M.A., PH.D.
Librarian: R. O. MACKENNA, M.A., A.L.A.

Library, *see under* Libraries.

Number of teaching staff: 780, including 85 professors.

Number of students (1962-63): 5,587 men, 1,934 women, total 7,521.

Publications: *Glasgow University Publications, Geology Department Papers, Glasgow University Calendar* (annually).

DEANS:

Faculty of Arts: W. W. CHAMBERS, M.B.E., M.A., PH.D., L.ès L.
Faculty of Science: C. M. YONGE, C.B.E., PH.D., D.SC., F.R.S.
Faculty of Medicine: C. M. FLEMING, M.A., M.D.
Faculty of Law: J. A. C. THOMAS, M.A., LL.B.
Faculty of Divinity: J. MAUCHLINE, M.A., D.D.
Faculty of Engineering: W. T. MARSHALL, B.SC., PH.D.

PROFESSORS:

Faculty of Arts:
ALLAN, D. J., M.A., F.B.A. (Greek).
ATKINSON, W. C., M.A. (Hispanic Studies).
BOASE, A. M., M.A., PH.D. (French).
CHAMBERS, W. W., M.B.E., M.A., L. ÈS L., PH.D. (German).
CHECKLAND, S. G., M.A., M.COMM., PH.D. (Economic History).
DUNCAN, A. A. M., M.A., (Scottish History and Literature).
FORDYCE, C. J., M.A., LL.D. (Humanity).
HIRST, R. J., M.A. (Logic and Rhetoric).
MACLAGAN, W. G., M.A., PH.D. (Moral Philosophy).
MEIKLEJOHN, M. F. M., M.A. (Italian).
NISBET, S. D., M.A., B.ED. (Education).
NOVE, A., B.SC. (Economics—Bonar Chair).
ORR, ROBIN, M.A., MUS.D. (Music).
PICKFORD, R. W., M.A., PH.D., D.LITT. (Psychology).
RAPHAEL, D. D., M.A., D.PHIL. (Political and Social Theory).
ROBERTSON, D. J., M.A. (Applied Economics).
SAMUELS, M. L., M.A. (English Language).
STONES, E. L. G., M.A., PH.D., F.S.A. (Medieval History).
WILSON, T., O.B.E., M.A., PH.D. (Political Economy).
WRIGHT, E., M.A. (Modern History).

Faculty of Science:
BRIAN, P. W., B.A., PH.D. (Botany).
CRUICKSHANK, D. W. J., M.A., PH.D., SC.D. (Chemistry—Joseph Black Chair).
DEE, P. I., C.B.E., M.A., F.R.S. (Natural Philosophy).
GEORGE, T. N., D.SC., PH.D., D. ès. SC., F.R.S. (Geology).
GUNN, J. C., M.A. (Natural Philosophy).
HENDRIE, D. S., B.SC., N.D.A. (Agriculture).
MILLER, R., M.A., PH.D. (Geography).
PONTECORVO, GUIDO, DR.AGR., PH.D., F.R.S., SC.D. (Genetics).
RANKIN, R. A., M.A., PH.D., SC.D. (Mathematics).
RAPHAEL, R. A., PH.D., D.SC., F.R.S. (Chemistry—Regius).
ROBERTSON, J. M., C.B.E., M.A., D.SC., PH.D., F.R.S. (Chemistry—Gardiner Chair).
SNEDDON, I. N., M.A., D.SC. (Mathematics).
SWEET, P. A., M.A., PH.D. (Astronomy).
YONGE, C. M., C.B.E., PH.D., D.SC., F.R.S. (Zoology).

Faculty of Medicine:
AITCHISON, J., B.SC., D.D.SC., H.D.D., D.D.O., F.D.S. (Dental Surgery).
ALSTEAD, S., C.B.E., M.D. (Materia Medica).
ANDERSON, D. F., M.D. (Obstetrics and Gynæcology).
ANDERSON, T., M.D. (Infection Diseases).
BARNES, R., M.B., CH.B. (Orthopædics).
CAPPELL, D. F., C.B.E., M.D. (Pathology).
DAVIDSON, J. N., M.D., D.SC., F.R.S. (Biochemistry).
DONALD, I., M.B.E., B.A., M.D. (Midwifery).
EMSLIE, J. W., B.SC., M.R.C.V.S. (Veterinary Surgery).
FERGUSON, T., C.B.E., M.D., D.SC., D.P.H. (Public Health).
FLEMING, C. M., M.A., M.D. (Administrative Medicine).
GARRY, R. C., M.B., D.SC. (Physiology).
GIBSON, W. M., M.B., CH.B., F.D.S. (Dental Prosthetics).
HUTCHISON ,J. H., O.B.E., M.D. (Child Health).
ILLINGWORTH, Sir CHARLES, C.B.E., M.D., CH.M., D.SC. (Surgery).
INGLIS, J. S. S., B.SC., M.R.C.V.S. (Animal Husbandry and Veterinary Preventive Medicine).
MCGIRR, E. M., B.SC., M.D. (Medicine).
MCINTYRE, W. I. M., PH.D. (Veterinary Medicine).
MACKEY, W. A., T.D., M.B. (Surgery).
RIDDELL, W. J. B., M.D. (Ophthalmology).
RODGER, T. F., B.SC., M.B., D.P.M. (Psychological Medicine).
STOKER, M. G. P., M.D., M.A. (Virology).
SYMINGTON, T., B.SC., M.D. (Pathology).
WAYNE, E. J., M.SC., PH.D., M.D. (Practice of Medicine).
WEIPERS, W. L., B.SC., F.R.C.V.S., D.V.S.M. (Veterinary Surgery).
WHITE, T. C., B.SC., F.D.S., D.D.O. (Orthodontics).
WYBURN, G. M., M.B., D.SC. (Anatomy).
(Vacant—Forensic Medicine).

Faculty of Law:
ANTON, A., M.A., LL.B. (Jurisprudence).
BROWNING, R., C.B.E., M.A., LL.B., C.A. (Accountancy).
HALLIDAY, J. M., M.A., LL.B. (Conveyancing).
MILLER, J. B., T.D., M.A., LL.B. (Mercantile Law).
THOMAS, J. A. C., M.A., LL.B. (Civil Law).
WALKER, D. M., Q.C., M.A., LL.B., PH.D. (Law).

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Faculty of Divinity:
BARCLAY, WILLIAM, M.A., D.D. (Biblical Criticism).
FOSTER, J., M.A., D.D. (Ecclesiastical History).
HENDERSON, I., M.A., D.D. (Systematic Theology).
MAUCHLINE, J., M.A., D.D. (Old Testament Language and Literature).
SMITH, R. G., M.A., D.THEOL., D.D. (Divinity).
WEIR, C. J. M., M.A., D.D., D.PHIL. (Hebrew and Semitic Languages).

Faculty of Engineering:
CONN, J. F. C. D.SC., (Naval Architecture).
HIBBERD, G., PH.D. (Mining).
LAMB, JOHN, D.SC., PH.D. (Electrical Engineering).
MACLELLAN, G. D. S., M.A., PH.D. (Engineering).
MARSHALL, W. T., B.SC., PH.D. (Civil Engineering).
NONWEILER, T. R. F., B.SC., PH.D. (Aeronautics and Fluid Mechanics).
SMALL, J., PH.D., D.SC. (Mechanical Engineering).

ASSOCIATED COLLEGE:

West of Scotland Agricultural College: 6 Blythswood Square, Glasgow, C.2; f. 1899.
Principal: DONALD S. HENDRIE, N.D.A., N.D.D., B.SC.
Courses and advisory services in Agriculture, Dairying, Horticulture, Poultry Husbandry and Bee-keeping.

THE UNIVERSITY OF HULL

COTTINGHAM ROAD, HULL
Telephone: 408960

Founded 1927.

Chancellor: Rt. Hon. Lord MIDDLETON, K.G., M.C., T.D., L.L., LL.D., J.P.
Vice-Chancellor: BRYNMOR JONES, PH.D., SC.D., F.R.I.C.
Chairman of Council: H. I. LOTEN, M.B.E., LL.D., J.P.
Treasurer: L. H. DOWNS, C.B.E., M.A., D.SC., M.I.MECH.E.
Pro-Vice-Chancellor: Prof. M. M. GILLIES, M.A., PH.D.
Registrar: W. D. CRAIG, B.L.
Librarian: PHILIP A. LARKIN, M.A., A.L.A.

There are over 150,000 volumes in the library.
Number of teachers: 229, including 22 professors.
Number of students (full-time) (1962-63): 1,386 men, 563 women, total 1,949.
Publications: *Calendar, Gazette.*

DEANS:

Faculty of Arts: GARNET REES, M.A., D.DE L'UNIV.
Faculty of Science: N. F. ROBERTSON, B.SC., PH.D., M.A.
Faculty of Social Sciences and Law: J. S. G. WILSON, M.A., DIP.COM.

PROFESSORS:

Faculty of Arts:
BRETT, R. L., B.A., B.LITT. (English Language and Literature).
GILLIES, M. M., M.A., PH.D. (Classics).
HANSON, Rev. A. T., B.A., D.D. (Theology).
KENYON, J. P., B.A., PH.D. (History).
LAND, F. W., M.SC., PH.D. (Education).
MOORE, G. H., M.A. (American Literature).
REES, G., M.A., D.DE L'UNIV. (French).
WHITE, A. R., B.A., PH.D. (Philosophy).
WILKINSON, H. R., M.A. (Geography).

ulty of Science:
CHAPMAN, N. B., M.A., PH.D., F.R.I.C. (Chemistry).
CLARKE, A. D. B., B.A., PH.D. (Psychology).
COCKROFT, W. H., M.A., D.PHIL. (Pure Mathematics).
DAWES, E. A., PH.D., D.SC. (Biochemistry).
DONOVAN, D. T., PH.D., D.SC. (Geology).
ESPINASSE, PAUL G., M.A. (Zoology).
GARLICK, G. F. J., PH.D., D.SC., F.INST.P. (Physics).
RING, J., B.SC., PH.D., F. INST.P. (Applied Physics).
OBERTSON, N. F., B.SC., PH.D., M.A. (Botany).
SLATER, N. B., M.A., PH.D. (Applied Mathematics).

Faculty of Social Sciences and Law:
BIRCH, A. H., B.SC.(ECON.), PH.D. (Government).
TAYLOR, F. W., M.A., LL.M., BAR.-AT-LAW (Law).
WILSON, J. S. G., M.A., DIP.COM. (Economics and Commerce).

UNIVERSITY OF KEELE

KEELE, STAFFORDSHIRE
Telephone: Keele Park 371.

Founded as University College of North Staffordshire 1949, University of Keele 1962

Chancellor: H.R.H. THE PRINCESS MARGARET, Countess of SNOWDON, C.I., G.C.V.O.
Vice-Chancellor: H. M. TAYLOR, C.B.E., T.D., M.SC., PH.D., F.S.A.
Registrar: J. F. N. HODGINSON, M.A.
Librarian: S. O. STEWART, M.A.

Number of teaching staff: 122, including 17 professors.
Number of students: 488 men, 364 women, total 852.

PROFESSORS;

Board of Humanities:
BLAKE, J. W., M.A., (History).
BROOKE, K., B.A. (Modern Languages).
CHARLTON, J. M. T., M.A., F.S.A. (Classics).
FLEW, A. G. N., M.A. (Philosophy).
LAWLOR, J. J., M.A. (English Language and Literature).

Board of Social Sciences:
BEAVER, S. H., M.A., F.G.S., F.R.MET.S. (Geography).
FINER, S. E., M.A. (Political Institutions).
HUGH-JONES, E. M., M.A. (Economics).
HUNTER, I. M. L., B.SC. D.PHIL. (Psychology).
STEWART, W. A. C., M.A., PH.D. (Education).
TEALE, A. E., B.A., B.LITT. (Political and Moral Philosophy).

Board of Natural Sciences:
COPE, F. W., D.SC. M.I.MIN.E., F.G.S. (Geology).
GEMMELL, A. R., B.SC., PH.D., M.S., F.R.S.E., J.P. (Biology).
INGRAM, D. J. E., M.A., D.PHIL., D.SC., F.INST.P. (Physics).
JONES, D. D., M.B.E., M.A., D.SC. (Mathematics).
SPRINGALL, H. D., M.A., B.SC., D.PHIL. (Chemistry).

Granada Research Chair in Communication:
MACKAY, D. M., B.S.C, PH.D.

UNIVERSITY OF KENT AT CANTERBURY

WESTGATE HOUSE, CANTERBURY
Telephone: 6191

Charter pending

Chancellor: H.R.H. THE PRINCESS MARINA, Duchess of KENT.
Vice-Chancellor: GEOFFREY TEMPLEMAN, M.A., PH.D., F.S.A.
Registrar: ERIC FOX, M.A.
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UNIVERSITY OF LANCASTER

BAILRIGG HOUSE, LANCASTER

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Vice-Chancellor: CHARLES F. CARTER, M.A.
Secretary: A. S. JEFFREYS.
Librarian: A. G. MACKENZIE.

UNIVERSITY OF LEEDS

LEEDS, 2

Telephone: 31751.

Founded 1904.

Chancellor: H.R.H. THE PRINCESS ROYAL, C.I., G.C.V.O., G.B.E., R.R.C., LL.D., D.(h.c.) de L'Université de Lille.
Pro-Chancellor: Brig. J. NOEL TETLEY, D.S.O., T.D., LL.D., A.D.C., D.L.
Vice-Chancellor: Sir ROGER B. STEVENS, K.C.M.G., M.A.
Pro-Vice-Chancellor: Prof. RHYDWYN HARDING EVANS. C.B.E., D.S.C., D.ès.SC., PH.D., M.I.C.E., M.AM.SOC.C.E., M.I.MECH.E., M.I.STRUCT.E.

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Registrar: JOHN VAUGHAN LOACH, B.SC., PH.D., F.R.I.C.
Librarian: B. S. PAGE, M.A.

The library contains 682,874 volumes and pamphlets including the Brotherton Collection which contains 45,011 volumes and pamphlets and a large number of MSS., deeds, and letters.

Number of students (1962-63): 4,255 men, 1,408 women, total 5,663.

Publications: *University Calendar, University Gazette, Publications and Titles of Theses.*

DEANS:

Faculty of Arts: Prof. A. J. TAYLOR, M.A., F.R.H.S.
Faculty of Economic and Social Studies: L. F. HENRIQUES, M.A., D.PHIL.
Faculty of Law: Prof. P. S. JAMES, M.A.
Faculty of Science: D. BUNN, B.SC., PH.D.
Faculty of Technology: C. L. BIRD, M.SC., F.R.I.C., F.S.D.C.
Faculty of Medicine: A. B. PAIN, T.D., CH.M., F.R.C.S.

PROFESSORS:

Faculty of Arts:
BELL, QUENTIN, M.A. (Fine Art).
BROWN, R. F., M.A., PH.D. (Spanish and Portuguese Language and Literature).
CAMERON, J. M., M.A. (Philosophy).
CLAPTON, G. T., M.A. (French Language and Literature).
DAVISON, J. A., T.D., M.A. (Greek Language and Literature).
DENNY, J. R., M.B.E., M.A., MUS.B. (Music).
DICKENSON, R. E., M.A., PH.D. (Geography).
FLETCHER, B. A., B.SC., M.A. (Education and *Director of Institute of Education*).
GILLIES, A., M.A., DR.PHIL. (German Language and Literature).
GRANT, W. D. B., M.A., D.PHIL., F.R.S.L. (American Literature).
JEFFARES, A. N., M.A., PH.D., D.PHIL. (English Literature).
LATTIMORE, O., F.R.C.S. (Chinese Studies).
LE PATOUREL, JOHN, M.A., D.PHIL. (Medieval History).
MEREDITH, G. P., M.SC., M.ED., PH.D., F.B.PS.S. (Psychology).
ORTON, HAROLD, B.LITT., M.A. (English Language and Medieval English Literature).
RAYBOULD, S. G., B.SC.(ECON.), PH.D. (Adult Education, and *Director of Extra-Mural Studies*).
STREVENS, P. D., B.A. (Contemporary English).
TAYLOR, ARTHUR J., M.A., F.R.H.S. (Modern History).
TINSLEY, Rev. E. J., M.A., B.D. (Theology).
ULLMANN, S., D.PHIL., D.LITT. (Romance Philology).
WALSH, W., M.A. (Education).
WOOD, E. J., M.A. (Latin Language and Literature).

Faculty of Economic and Social Studies:
BERESFORD, W. M., M.A. (Economic History).
BROWN, A. J., M.A., D.PHIL. (Economics and Commerce).
GREBENIK, E., M.SC.(ECON.) (Socail Studies).
HANSON, A. H., M.A., A.R.C.M. (Politics).
LOMAX, K. S., B.SC., M.A. (Economics).
TURNER, H. A., B.SC.(ECON), PH.D. (Industrial Relations).

Faculty of Law:
FITZGERALD, P. J., M.A. (Law).
JAMES, P. S., M.A. (Law).

Faculty of Science:
COWLING, T. G., M.A., D.PHIL., F.R.S. (Applied Mathematics).
CRAGGS, J. W., B.SC., PH.D. (Mathematics).
DAINTON, F. S., M.A., SC.D., F.R.I.C., F.R.S. (Physical Chemistry).
DODD, J. M., D.SC., PH.D. (Zoology).
GRAY, P., M.A., SC.D., F.R.I.C. (Physical Chemistry).
IRVING, H. N. M. H., M.A., D.PHIL., D.SC., F.R.I.C. (Inorganic and Structural Chemistry).
KENNEDY, W. Q., D.SC., F.R.S. (Geology).
LYTHGOE, B., M.A., PH.D. (Organic Chemistry).
MANTON, Miss IRENE, B.A., PH.D., SC.D. (Botany).
PRESTON, R. D., PH.D., D.SC., F.INST.P., F.R.S. (Biophysics).
RUSE, H. S., M.A., D.SC., F.R.S.E. (Pure Mathematics).
SHACKLETON, R. M., B.SC., PH.D., F.G.S. (Geology).
WILSON, J. G., M.A., PH.D., F.INST.P. (Physics).

Faculty of Technology:
BYWATER, T. L., B.SC., M.S. (Agriculture).
CARTER, G. W., M.A., M.I.E.E., MEM.A.I.E.E. (Electrical Engineering).
CLARRICOATS, P. J. B., B.SC.(ENG.), PH.D., A.M.I.E.E. (Electrical Engineering).
COWE, B. N., B.SC.(ENG.), PH.D., WH.SC., A.M.I.MECH.E. (Mechanical Engineering).
EVANS, R. H., D.SC., D. ÈS SC., PH.D., M.INST.C.E., M.AM.SOC.C.E., M.I.STRUCT.E., M.I.MECH.E. (Civil Engineering).
GROSBERG, P., M.SC.(ENG.), PH.D. (Textile Engineering).
HASELDEN, G. G., PH.D., A.M.I.CHEM.E. (Chemical Engineering).
KING, H. J., B.SC.(ENG.), PH.D., A.M.I.MIN.E. (Mineral Science).
NUTTING, J., M.A., B.SC., PH.D. (Metallurgy).
RATTEE, I. B., B.SC., A.R.C.S. (Colour Chemistry and Dyeing).
ROBERTS, A. L., B.SC., PH.D., F.INST.F., F.R.I.C., F.I.CERAM., M.INST. GAS E.(HON.) (Coal Gas and Fuel Industries).
WARD, A. G., M.A., F.INST.P. (Proctor, Department of Food and Leather Science).
WESTERN, J. H. (Agricultural Botany).
WHEWELL, C. S., B.SC., PH.D., F.R.I.C., F.T.I. (Textile Technology).

Faculty of Medicine:
BRADSHAW, B. D., M.A., M.B., B.CH., D.P.H. (Preventive Medicine and Public Health).
CRABB, H. S. M., M.D.S., PH.D., F.D.S., R.C.S. (Conservative Dentistry).
CRAIG, W. S., B.SC., M.D., F.R.C.P.E., F.R.S.E., F.R.C.P. (Pediatrics and Child Health).
DAGLEY, S., M.A., B.SC., M.SC., F.R.I.C. (Biochemistry).
DURWARD, ARCHIBALD, M.D., F.R.S.E. (Anatomy).
FOURMAN, P., M.D., D.SC., F.R.C.P. (Chemical Pathology).
GOLIGHER, J. C., CH.M., F.R.C.S. (Surgery).
GREEN, H. N., M.A., M.SC., M.D. (Experimental Pathology).
HAPPOLD, F. C., PH.D., D.SC. (Biochemistry).
HARTFALL, S. J., T.D., B.SC., M.D., F.R.C.P. (Clinical Medicine).
HEMINGWAY, A., M.SC., M.B., CH.B. (Physiology).
HOPPER, F. E., M.D.S., F.A.S., R.C.S. (Dental Surgery).
JOHNSTONE, A. S., M.D., F.R.C.S.E., F.F.R., D.M.R.E. (Radiodiagnosis).
LATHE, G. H., M.SC., M.D., C.M., PH.D. (Chemical Pathology).
LUMSDEN, C. E., M.D. (Pathology).
OAKLEY, C. L., B.S., D.SC., M.D., M.R.C.S., L.R.C.P., F.R.S. (Bacteriology).
POLSON, C. J., M.D., F.R.C.P., M.R.C.S., BAR.-AT-LAW (Forensic Medicine).
PYRAH, L. N., C.B.E., M.SC., CH.M., F.R.C.S. (Urological Surgery).
SCOTT, J. S., M.D., F.R.C.S.(ED.), M.R.C.O.G. (Obstetrics and Gynæcology).
SPIERS, F. W., C.B.E. PH.D., D.SC. (Medical Physics).
TUNBRIDGE, R. E., O.B.E., M.D., M.SC., F.R.C.P. (Medicine).
WOOD, D. R., B.M., B.CH., B.SC. M.A. (Pharmacology).
(Vacant—Psychiatry).

AFFILIATED COLLEGES:

College of the Resurrection: Mirfield, Yorks.; f. 1902 by the Community of the Resurrection for the training of priests.
Principal: Rev. HUGH BISHOP, C.R., M.A.(OXON.).
Vice-Principal: Rev. GODFREY PAWSON, C.R., M.A.
Secretary: Bro. ROY FRANCE, C.R.
Registrar: Rev. GODFREY PAWSON, C.R., M.A.
Tutor: Rev. ARTHUR LONGWORTH, C.R., M.A.
Number of tutors: 7.
Number of students: 50 men.

Rawdon Baptist College: Rawdon, Nr. Leeds; f. at Horton, Bradford, 1804, removed to Rawdon 1859.
Principal: Rev. D. S. RUSSELL, M.A., B.D., B.LITT.
Hon. Secretary: Rev. J. G. HOBBS.
Number of tutors: 4.
Number of students: 29 men.

St. John's College: York; f. 1846; Diocesan Training College for Schoolmasters.
Principal: Rev. Canon P. J. LAMB, M.A.
Vice-Principal: W. C. CHAPMAN, M.A.

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Bursar: S. WATKIN, B.A.
Number of teachers: 42.
Number of students: 400 men, 200 women.

Leeds College of Technology: Calverley Street, Leeds, 1; Department of Printing and Photography; full-time and part-time courses in Printing Technology and Photography.
Principal: CLIFFORD CHEW, M.SC.TECH., F.R.I.C.
Head of Department: D. J. JUNIPER.

College of Technology: Queen Street S., Huddersfield.
Principal: W. E. SCOTT, M.B.E., M.SC., PH.D., F.R.I.C.

UNIVERSITY OF LEICESTER

UNIVERSITY ROAD, LEICESTER
Telephone: Leicester 24211
Telegrams: University, Leicester.
University College founded 1918; Charter 1950; University Charter 1957.

Chancellor: Lord ADRIAN, O.M., M.A., M.D., D.SC., LL.D., F.R.S., F.R.C.P.
Vice-Chancellor: T. A. FRASER NOBLE, M.B.E., M.A.
Registrar: H. B. MARTIN, B.COM., F.C.I.S.
Librarian: D. G. F. WALKER, M.A., LL.B., A.L.A.

The library contains 150,000 volumes.
Number of teachers: 210, including 25 professors.
Number of students (full time) (1963-64): 1,850.
Publications: *Calendar* (annual), *Handbook* (annual), *Gazette* (three times a year).

DEANS:

Faculty of Arts: F. W. J. HEMMINGS, M.A., D.PHIL.
Faculty of Science: H. P. MOON, M.A., F.L.S.
Faculty of Social Sciences: I. NEUSTADT, DR.SC.ECON., PH.D.

PROFESSORS:

ALLAWAY, A. J., M.A. (Adult Education).
DAVIES, R., B.SC.(ECON.), PH.D. (Economic History).
GOODSTEIN, R. L., M.SC., PH.D., D.LITT. (Mathematics).
HEMMINGS, F. W. J., M.A., D.PHIL. (French Literature).
HUGHES, C. J., M.A., B.PHIL. (Politics).
HUMPHREYS, A. R., M.A., A.M. (English).
HUNTER, L., D.SC., PH.D., F.R.I.C. (Chemistry).
KORNBERG, H. L., D.SC. PH.D., M.A. (Biochemistry).
LEE, S. G. M., M.A., PH.D. (Psychology).
MEEK, R. L., LL.M., M.A., PH.D. (Economics).
MOON, H. P., M.A., F.L.S. (Zoology).
NEUSTADT, I., DR.SC.ECON., PH.D. (Sociology).
NOWELL-SMITH, P. H., M.A., A.M. (Philosophy).
PARKES, E. W., M.A., PH.D. (Engineering).
POWELL, P. H., M.A., D.LITT., PH.D. (German).
PRITCHARD, R. H., B.SC., PH.D. (Genetics).
PYE, N., B.A. (Geography).
SIMMONS, J., M.A., F.R.S.L. (History).
STEWARDSON, E. A., M.SC., PH.D. (Physics).
SYKES, L. C., M.A., D.PHIL. (French).
SYLVESTER-BRADLEY, P. C., B.SC. (Geology).
SYMONS, M. C. R., PH.D., D.SC. (Physical Chemistry).
TIBBLE, J. W., M.A., M.ED. (Education).
TUTIN, T. G., M.A., F.L.S. (Botany).
WASSERSTEIN, A., PH.D. (Classics).

UNIVERSITY OF LIVERPOOL

BROWNLOW HILL, LIVERPOOL, 3
Telephone: Royal 6022
Founded by Royal Charter, 1903.

Chancellor: The Most Hon. The MARQUESS OF SALISBURY, K.G., P.C., D.C.L., LL.D., LITT.D., F.R.S., J.P.
Pro-Chancellors: DUNCAN NORMAN, M.C., M.A., LL.D., J.P.; The Rt. Hon. The Viscount LEVERHULME, T.D., B.A., J.P. (*President of the Council*).
Vice-Chancellor: W. H. F. BARNES, M.A.
Pro-Vice-Chancellors: Prof. F. E. HYDE, M.A., PH.D. (ECON.), F.R.HIST.S.; Prof. L. ROSENHEAD, C.B.E., PY.D., D.SC., F.R.S.
Registrar: H. H. BURCHNALL, M.A.
Librarian: D. A. CLARKE, M.A., A.L.A.

Library: *see* Libraries.
Number of teachers (1963): 756, including 66 professors.
Number of students (1963): 3,764 men, 1,293 women, total 5,057.

Publications: *The Sphinx, Guild Gazette, Sphincter,* and quarterly: *Journal of Comparative Pathology and Therapeutics, Town Planning Review, Bulletin of Hispanic Studies, Business History.*

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Faculty of Arts: Prof. W. D. WILLIAMS, M.A., D.PHIL.
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Number of full-time internal students (1961-62): 22,644.
Number of external students (1961-62): 24,816.

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Faculty of Medicine:

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SMITH, JAMES ERIC, M.A., PH.D., SC.D., F.R.S. (Zoology).
SONDHEIMER, E. H., M.A., PH.D. (Mathematics).
SUMMERFIELD, ARTHUR, B.SC.TECH., B.SC. (Psychology).
STYLE, DERRICK WILLIAM GRAHAM, PH.D. (Chemistry).
SUTTON, JOHN, PH.D. (Geology).
SYKES, KEBLE WATSON, M.A., B.SC., D.PHIL. (Physical Chemistry).
TAYLOR, JAMES HAWARD, A.M., PH.D., F.R.S. (Geology).
TOLANSKY, SAMUEL, D.SC., D.I.C., F.R.S. (Physics).
TOMPKINS, F. C., PH.D., D.SC., F.R.S. (Physical Chemistry).
UBBELOHDE, ALFRED R. J. P., C.B.E., D.SC., F.R.I.C., F.R.S. (Thermodynamics).
WAIN, RALPH LOUIS, D.SC., F.R.I.C., F.R.S. (Agricultural Chemistry).
WARREN, FREDERICK LLOYD, M.A., D.SC. (Biochemistry).
WARWICK, ROGER, B.SC., PH.D., M.D. (Anatomy).
WEBB, J. E., D.SC. (Zoology).
WEBB, JOHN STUART, PH.D. (Applied Geochemistry).
WEEDON, B. C. L., D.SC. (Organic Chemistry).
WELLS, GEORGE PHILIP, M.A., SC.D., F.R.S. (Zoology).
WHALLEY, WILLIAM BASIL, D.SC., F.R.I.C. (Chemistry).
WHITTINGHAM, CHARLES PERCIVAL, PH.D. (Botany).
WIDDAS, W. F., M.B., B.S., D.SC. (Physiology).
WILKINS, MAURICE HUGH FREDERICK, C.B.E., M.A., PH.D., F.R.S. (Molecular Biology).
WILKINSON, GEOFFREY, PH.D., D.I.C. (Organic Chemistry).
WILLIAMS, DAVID, PH.D., D.SC. (Mining Geology).
WRIGHT, WILLIAM DAVID, D.SC. (Technical Optics).
YUDKINS, JOHN, B.SC., M.A., M.D., M.R.C.P., F.R.I.C. (Nutrition).

Faculty of Engineering:

ARGYRIS, JOHN H., D.E., D.SC. (ENG.), F.R.AE.S. (Aeronautical Structures).
ARNOLD, A. H. M., D.ENG. (Electrical Engineering).
BAKER, ARTHUR LEMPRIÈRE LANCEY, D.SC. (ENG.) (Concrete Technology).
BALL, JOHN GEOFFREY, B.SC. (Physical Metallurgy).
BARLOW, HAROLD EVERARD MONTEAGLE, B.SC., PH.D., A.M.I.MECH.E., A.M.I.E.E., F.R.S. (Electrical Engineering).
BISHOP, RICHARD EVELYN DONOHUE, M.A., PH.D., D.SC.(ENG.) (Mechanical Engineering).
BLACK, ROBERT ALASTAIR LUCIEN, B.SC., A.R.S.M. (Mining).
BRAILSFORD, FREDERICK, PH.D., M.I.E.E. (Electrical Engineering).
BRADSHAW, ANTHONY VERNAR, B.SC. (Applied Metallurgy).
BUCHANAN, COLIN DOUGLAS, B.SC.(ENG.), A.M.I.C.E. (Transport Engineering).
CHERRY, EDWARD COLIN, D.SC.(ENG.) (Telecommunications).
CHILVER, AMOS HENRY, M.A., D.SC. (Civil Engineering).
DAVIES, MORGAN WYNN HUMPHREY, M.SC. (Electrical Engineering).
DENBIGH, KENNETH GEORGE, M.A., D.SC., F.R.I.C., F.R.S.E. (Chemical Engineering Science).
DONALD, MAXWELL BRUCE, M.SC., M.I.CHEM.E., F.R.I.C. (Chemical Engineering).
FLEMING, MARSTON GREIG, PH.D. (Mineral Technology).
FORD, HUGH, D.SC.(ENG.), M.I.MECH.E., A.M.INST.C.E. (Applied Mechanics).
GABOR, DENNIS, DT.Ing., F.R.S. (Applied Electron Physics).
GAYDON, ALFRED GORDON, D.SC., F.R.S. (Molecular Spectroscopy).
GREIG, JAMES, M.SC.(ENG.), PH.D., M.I.E.E. (Electrical Engineering).
JACKSON, Sir WILLIS, F.R.S. (Electrical Engineering).
JONES, CLEMENT WORKMAN, M.SC., PH.D. (Mathematics).
KASTNER, LESLIE JAMES, M.A. (Mechanical Engineering).
KING, JEFFREY WILLIAM HITCHEN, M.SC. (Civil Engineering).
MITCHIESON, JAMES CECIL, C.B.E., B.SC. (Mining).
MURGATROYD, WALTER, M.A., PH.D. (Nuclear Engineering).
NASH, JOHN DEVIN TYRIE LLEWELYN, M.A., M.A.I. (Civil Engineering).
NEAL, BERNARD GEORGE, M.A., PH.D. (Applied Science with special reference to Engineering).
OWEN, PAUL BOBERT, M.SC. (Aviation).
PRATT, PETER LYNN, B.SC., PH.D. (Crystal Physics).
RICHARDSON, F. D., PH.D. (Extraction Metallurgy).
ROSE, HORACE EDGAR, D.SC.(ENG) (Powder Technology).
ROSS, ALLAN DAWSON, PH.D., A.M.INST.C.E., F.R.S.E. (Civil Engineering).
ROWLINSON, JOHN SHIPLEY, B.SC., M.A., D.PHIL. (Chemical Technology).
SARGENT, ROGER WILLIAM, PH.D., D.I.C. (Chemical Engineering).
SAUNDERS, OWEN ALFRED, M.A., D.SC.(ENG.), M.I.MECH.E., F.INST.P., F.R.S. (Mechanical Engineering).
SKEMPTON, ALEC WESTLEY, D.SC.(ENG.), D.I.C., F.G.S., F.R.S. (Civil Engineering).
SPALDING, DUDLEY BRIAN, PH.D. (Heat Transfer).
SPARKES, STANLEY ROBERT, M.SC., PH.D. (Engineering Structures).
THOMPSON, EDGAR HYNES, O.B.E., B.A. (Surveying and Photogrammetry).
TUSTIN, ARNOLD, M.SC. (Heavy Electrical Engineering).
WATKINS, SIDNEY BEVAN, M.SC., F.R.I.C. (Chemical Engineering).
WESTCOTT, JOHN HUGH, PH.D. (Electrical Engineering).
WHITE, CEDRIC MASEY, D.SC.(ENG.) (Fluid Mechanics and Hydraulic Engineering).
YOUNG, ALEC DAVID, M.A. (Aeronautical Engineering).

Faculty of Economics and Political Science (including Commerce and Industry):

ALLEN, GEORGE CYRIL, C.B.E., M.COM., PH.D. (Political Economy).
ALLEN, ROY GEORGE DOUGLAS, C.B.E., M.A.,D.SC. (ECON.), F.B.A. (Statistics).

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BAUER, PETER THOMAS, M.A. (Economics with special reference to under-developed Countries and Economic Development).
BAXTER, WILLIAM THREIPLAND, B.COM. (Accounting).
BROWN, ERNEST HENRY PHELPS, M.B.E., M.A., F.B.A. (Economics of Labour).
DEVONS, ELY, M.A. (Commerce, with special reference to International Trade).
DONNISON, DAVID VERNON, B.A. (Social Administration).
DURBIN, JAMES, M.A. (Statistics).
EDEY, HAROLD CECIL, B.COM. (Accounting).
EDWARDS, RONALD STANLEY, B.COM. (Economics, with special reference to Industrial Organisation).
FIRTH, RAYMOND WILLIAM, M.A., PH.D., F.B.A. (Anthropology).
FISHER, FREDERICK JACK, M.A. (Economic History).
GOODWIN, GEOFFREY LAWRENCE, B.SC.(ECON.) (International Relations).
GREAVES, HAROLD RICHARD GORING, B.SC.(ECON.) (Political Science).
JONES, EMRYS, M.SC., PH.D. (Geography).
LIPSEY, RICHARD GEORGE, PH.D. (Economics).
MACRAE, DONALD GUNN, M.A. (Sociology).
MOSER, CLAUS ADOLF, B.SC. (ECON.) (Social Statistics).
OAKESHOTT, MICHAEL JOSEPH, M.A. (Political Science).
PAISH, FRANK WALTER, M.C., M.A. (Economics, with special reference to Business Finance).
PHILLIPS, ALBAN WILLIAM HOUSEGO, PH.D. (Economic Science and Statistics).
PLANT, Sir ARNOLD, B.COM., B.SC.(ECON.) (Commerce).
POPPER, KARL RAIMUND, D.LIT., LL.D., F.B.A. (Logic and Scientific Method).
ROBERTS, BENJAMIN CHARLES, M.A. (Industrial Relations).
ROBINSON, KENNETH, M.A. (Commonwealth Affairs).
SAYERS, RICHARD SIDNEY, M.A., F.B.A. (Economics, with special reference to Money and Banking).
SELF, PETER JOHN OTTER, M.A. (Public Administration).
SMELLIE, KINGSLEY BRYCE SPEAKMAN, B.A. (Political Science).
TITMUSS, RICHARD M., LL.D. (Social Administration).
WISE, MICHAEL JOHN, PH.D. (Geography).
YAMEY, BASIL S., B.COM. (Economics).

SCHOOLS OF THE UNIVERSITY

(Numbers given are appointed and recognised teachers, and students registered with the University)

I. Schools in receipt of U.G.C. Grants

(*a*) Non-Medical

Bedford College: Inner Circle, Regent's Park, N.W.1; f. in Bedford Square by Mrs. E. J. Reid in 1849, incorporated 1869, chartered January 11th, 1909, supplemental charters August 29th, 1911, September 10th, 1957.
Principal: Miss N. L. PENSTON, B.A., D.PHIL., F.L.S.
Secretary: Miss K. E. SPEARS, B.A.
Number of teachers: 131, including 21 professors.
Number of students: 995.

DEANS:

Faculty of Arts: Prof. F. R. H. DU BOULAY, M.A.
Faculty of Science: Prof. W. F. WIDDAS, M.B., B.S., PH.D., D.SC.

Birkbeck College: Malet Street, W.C.1; f. 1823; Charter of Incorporation March 17th, 1926.
Master: Sir JOHN LOCKWOOD, M.A., PH.D., LL.D.
Secretary: A. J. CARAFFI, B.SC.
Registrar: J. D. MCCORMACK, B.A.
Number of teachers: 139, including 21 professors.
Number of students: 218 full-time, 21 part-time.

DEANS:

Faculty of Arts: Prof. E. H. WARMINGTOM, M.A., F.R.HIST.S.
Faculty of Science: Prof. W. G. OVEREND, D.SC., F.R.I.C.

Imperial College of Science and Technology: Prince Consort Road, South Kensington, S.W.7; formed 1907 by federation of Royal School of Mines, Royal College of Science, and City and Guilds College.
Rector: Sir PATRICK LINSTEAD, C.B.E., D.SC., D.I.C., HON. F.C.G.I., HON. M.I.M.M., F.R.S.
Secretary: M. J. DAVIES, C.M.G., O.B.E., M.A.
Registrar: E. F. CUTLIFFE, M.B.E., M.A.
Number of teachers: 495, including 56 professors.
Number of students: 2,879.

DEANS:

City and Guilds College: Prof. O. A. SAUNDERS, M.A., D.SC.(ENG.), HON. F.C.G.I., M.I.MECH.E., F.INST.P., F.INST.F., F.R.AE.S., F.R.S.
Royal College of Science: Prof. R. M. BARRER, D.SC., SC.D., HON. A.R.C.S., F.R.I.C., F.R.S.
Royal School of Mines: Prof. J. G. BALL, B.SC., HON. A.R.S.M., F.I.M.

King's College: Strand, W.C.2; f. 1829.
Principal: PETER SCOTT NOBLE, M.A., LL.D.
Dean: Rev. Canon SYDNEY HALL EVANS, M.A., B.D.
Secretary: IVAN PETER SHAW, M.A.
Registrar: A. DAVIES, M.A.
Library: *see* Libraries.
Number of teachers: 280, including 44 professors.
Number of students: 2,386.

DEANS:

Faculty of Arts: A. V. JUDGES, B.A., D.SC.(ECON.).
Faculty of Laws: R. H. GRAVESON, LL.D., S.J.D., PH.D.
Faculty of Natural Sciences: F. C. CHAMPION, M.A., PH.D., F.INST.P.
Faculty of Medical Sciences: J. L. D'SILVA, M.B., B.S., PH.D., D.SC., M.R.C.P.
Faculty of Engineering: A. H. M. ARNOLD, PH.D., D.ENG., M.I.E.E.
Faculty of Theology: see Libraries.

London School of Economics and Political Science: Houghton Street, Aldwych, W.C.2; f. 1895.
Director: Sir SYDNEY CAINE, K.C.M.G., B.SC.(ECON.), LL.D.
Secretary: H. KIDD, M.A.
Number of teachers: 221.
Number of students: 3,269.
Publications: *Economica* (quarterly journal of economics, economic history, and statistics), *The British Journal of Sociology* (quarterly), *British Journal of Industrial Relations* (three times a year), *New Series, Reprints of Scarce Works on Political Economy, Monographs on Social Anthropology,* Papers on Soviet and East European Politics, Law and Economics.

Queen Elizabeth College: 61 Campden Hill Road, W.8; f. 1908.
Principal: Miss M. J. SARGEAUNT, M.A., B.LITT.
Secretary: Miss D. M. H. GRYLLS, B.A.
Number of teachers: 57.
Number of students: 375.

Queen Mary College: Mile End Road, London, E.1; f. 1887.
Principal: Sir THOMAS CREED, K.B.E., M.C., Q.C., M.A.
Registrar and Secretary: R. P. TONG, O.B.E., M.A.
Librarian: A. WHITWORTH, M.A.
Number of teaching staff: 133, including 20 professors.
Number of students: 1,363.
Publications: *Calendar, Prospectus, Annual Report.*

DEANS:

Faculty of Arts: Prof. A. E. SMAILES, M.A.
Faculty of Science: Prof. C. P. WHITTINGHAM, B.A., PH.D.
Faculty of Engineering: Prof. M. W. HUMPHREY DAVIES, B.SC., M.SC., M.I.E.E.
Tutor for Medical Studies: P. J. WANSTALL, B.SC.

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Royal Holloway College: Englefield Green, Surrey; f. 1883; opened by Queen Victoria in 1886; women's college.
Principal: Miss E. MARJORIE WILLIAMSON, PH.D.
Secretary: Miss D. HUSTLER, M.B.E.
Registrar: Miss J. FULLER.
Number of teachers: 66, including 11 professors.
Number of students: 347 resident, 58 non-resident.

Royal Veterinary College, The: Royal College Street, London, N.W.1; f. 1791.
Principal and Dean: R. E. GLOVER, M.A., D.SC., F.R.C.V.S.
Secretary and Bursar: H. W. J. ADAMS, M.A., F.C.I.S.
Number of teachers: 60.
Number of students: 368.

School of Oriental and African Studies: University of London, W.C.1; f. 1916.
Director: Prof. C. H. PHILIPS, M.A., PH.D.
Secretary: Lt.-Col. H. MOYSE-BARTLETT, M.B.E., M.A., PH.D.
Number of teachers: 160, including 27 professors.
Number of full-time students (1961-62): 780 men and women.
Publications: *The Bulletin, Calendar, Annual Report.*

School of Pharmacy: 29-39 Brunswick Square, W.C.1; f. 1842.
Dean: F. HARTLEY, B.SC., PH.D., F.R.I.C.
Clerk to the Council and Secretary: S. R. CURTIS, B.A., F.C.A.
Number of teachers: 35, including 6 professors.
Number of students: 184.

University College: Gower Street, W.C.1; f. 1826.
Provost: Sir IFOR EVANS, D.LIT.
Secretary: E. A. L. GUETERBOCK, M.A.
Library: *see* Libraries.
Number of teachers: 512, including 73 professors.
Number of students: 3,800.
Publication: *Calendar.*

DEANS:

Faculty of Arts: G. C. ALLEN, C.B.E., M.COM., PH.D.
Faculty of Science: WILLIAM R. DEAN, M.A.
Faculty of Laws: E. R. H. IVAMY, PH.D.
Faculty of Engineering: M. B. DONALD, M.SC., F.R.I.C., HON. M.I.CHEM.E., A.R.C.S.
Faculty of Medical Science: JOHN Z. YOUNG, M.A., D.SC., F.R.S.

Westfield College: Kidderpore Avenue, Hampstead, N.W.3; f. 1882; a residential college for women.
Principal: Mrs. PAMELA MATTHEWS, B.SC.(ECON.).
Secretary: Miss E. MCCULLEY, B.A.
Registrar: Miss J. M. SIMS, M.A.
Number of teachers: 75, including 9 professors.
Number of students: 440.

Wye College: Wye, Nr. Ashford, Kent; incorporating the South-Eastern Agricultural College (f. 1894) and Swanley Horticultural College (f 1888); the original Wye College was founded by Archbishop Kempe on January 14th, 1447; residential.
Principal: DUNSTAN SKILBECK, C.B.E., M.A.
Secretary: C. W. A. GARLAND, B.SC.
Registrar: A. G. PAGE, M.A.
Number of students: 240.

(*b*) Undergraduate Medical and Dental

Charing Cross Hospital Medical School: 62-65 Chandos Place, Charing Cross, W.C.2; f. 1834.
Dean: S. J. R. REYNOLDS, M.A., M.B., B.CH., D.M.R.E.
Secretary: BRIAN S. DREWE, E.R.D., T.D., M.A., LL.B., F.T.C.L.
Number of teachers: 83.
Number of students: 245.
Publication: *Charing Cross Hospital Gazette* (every term).

Guy's Hospital Dental School: St. Thomas's Street, London Bridge, S.E.1; f. 1888.
Dean: E. R. BOLAND, C.B.E., M.D., F.R.C.P.
Secretary: W. F. COOK, F.C.C.S.
Number of students: 489 men, 72 women, total 561.

Guy's Hospital Medical School: St. Thomas's Street, London Bridge, S.E.1; f. 1725.
Dean: E. R. BOLAND, C.B.E., M.D., F.R.C.P.
Secretary: W. F. COOK, F.C.C.S.
Number of students: 503 men, 86 women, total 589.

King's College Hospital Medical School: Denmark Hill, S.E.5; f. 1831.
Dean: VERNON F. HALL, C.V.O., L.R.C.P., M.R.C.S., F.F.A.R.C.S.
Secretary: W. F. GUNN, LL.B., F.C.I.S.
Number of teachers: 69 medical, 23 dental.
Number of undergraduate students: 175 medical, 94 dental.

London Hospital Medical College, The: Turner Street, E.1; f. 1785.
Dean: H. B. MAY, M.A., M.D., F.R.C.P.
Secretary: H. P. LAIRD, B.A.
Number of teachers: 162.
Number of students: 420 medical, 125 dental.
Publications: *The London Hospital Gazette* (five per year).

Middlesex Hospital Medical School: Mortimer Street, W.1; f. 1835.
Dean: Prof. Sir BRIAN WINDEYER, D.SC., M.B., M.R.C.P., F.R.C.S., F.F.R.
Secretary: Miss EILEEN M. WALTON.
Number of students: 450.

Royal Dental Hospital of London, School of Dental Surgery: 32 Leicester Square, W.C.2; f. 1858.
Dean: Prof. R. B. LUCAS, M.D., M.R.C.P., D.P.H.
School Secretary: K. R. MCK. BIGGS, B.A.
Number of teachers: 60.
Number of students: 215.

Royal Free Hospital School of Medicine: 8 Hunter Street, Brunswick Square, W.C.1; f. 1874.
Dean: Dr. FRANCES V. GARDNER, M.D., F.R.C.P.
Secretary: Mrs. S. C. S. ROBINSON, M.A.
Number of full-time teachers: 52, including 8 professors.
Number of students: 435.

St. Bartholomew's Hospital Medical College: West Smithfield, E.C.1; f. 1662.
Dean: J. W. COPE, M.B., B.CHIR., F.R.C.S.
Secretary: C. E. MORRIS, F.C.A.
Number of teachers: 73.
Number of students: 511 men, 127 women, total 638.

St. George's Hospital Medical School: Hyde Park Corner, S.W.1; f. 1752.
Dean: M. I. A. HUNTER, M.D., F.R.C.P.
Number of students: 150.

St. Mary's Hospital Medical School: Norfolk Place, Paddington, W.2; f. 1854.
Dean: G. B. MITCHELL-HEGGS, O.B.E., T.D., M.D., F.R.C.P.
Secretary: J. E. STEVENSON, LL.B.
Number of students: 450.

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St. Thomas's Hospital Medical School: St. Thomas's Hospital, S.E.1; hospital f. 1106.
Dean: R. W. NEVIN, T.D., M.A., M.B., B.CHIR., F.R.C.S.
Secretary: A. L. CROCKFORD, C.B.E., D.S.O., M.C., T.D., M.A., M.B., B.CHIR.
Number of students: 425.

University College Hospital Medical School: University Street, W.C.1; f. 1827.
Dean: C. W. FLEMMING, O.B.E., D.M., M.CH., F.R.C.S.
Secretary: Major-Gen. H. L. BIRKS, C.B., D.S.O.
Number of teachers: 75.
Number of students: 285.

Westminster Medical School: Horseferry Road, Westminster, S.W.1; f. 1849.
Dean: R. I. S. BAYLISS, M.D., F.R.C.P.
Number of teachers: 80.
Number of students: approx. 200.

(*c*) Postgraduate Medical

British Postgraduate Medical Federation: Central Office: 18 Guilford Street, W.C.1; established by the University of London in 1945 for the further development of postgraduate medical education in London; admitted as a School of the University in 1947.
Director: Prof. Sir JAMES PATERSON ROSS, Bt., K.C.V.O., LL.D., M.S., F.R.C.S.

INSTITUTES OF THE FEDERATION:

Postgraduate Medical School of London: Hammersmith Hospital, Ducane Road, Shepherd's Bush, W.12.
Dean: C. E. NEWMAN, M.D., F.R.C.P.

Institute of Basic Medical Sciences: Royal College of Surgeons of England, Lincoln's Inn Fields, W.C.2.
Dean: E. G. MUIR, M.S., F.R.C.S.

Institute of Cancer Research: Royal Cancer Hospital, Fulham Road, S.W.3.
Dean: Prof. F. BERGEL, D.PHIL.NAT., D.SC., F.R.I.C., F.R.S.

Institute of Cardiology: 35 Wimpole Street, W.1 (associated with the National Heart Hospital, Westmoreland Street, W.1).
Dean: A. G. LEATHAM, M.B., B.CHIR., F.R.C.P.

Institute of Child Health: The Hospital for Sick Children, Great Ormond Street, W.C.1.
Dean: G. H. NEWNS, M.D., F.R.C.P.

Institute of Dental Surgery: Eastman Dental Hospital, Gray's Inn Road, W.C.1.
Dean: and Director of Studies: R. BRADLAW, C.B.E., F.R.C.S., F.D.S.R.C.S.

Institute of Dermatology: St. John's Hospital for Diseases of the Skin, Lisle Street, Leicester Square, W.C.2.
Dean: B. F. RUSSELL, M.D., F.R.C.P., D.P.H.

Institute of Diseases of the Chest: Brompton Hospital, Fulham Road, S.W.3.
Dean: J. R. BIGNALL, M.D., F.R.C.P.

Institute of Laryngology and Otology: The Royal National Throat, Nose and Ear Hospital, 330 Gray's Inn Road, W.C.1.
Dean: J. C. HOGG, F.R.C.S.

Institute of Neurology: The National Hospital for Nervous Diseases, Queen Square, W.C.1.
Dean: J. W. D. BULL, M.A., M.D., F.R.C.P., F.F.R.

Institute of Obstetrics and Gynaecology: Chelsea Hospital for Women, Dovehouse Street, S.W.3; (associated with the Hammersmith Hospital and Queen Charlotte's Maternity Hospital).
Dean: R. M. FEROZE, M.D., F.R.C.S., F.R.C.O.G.

Institute of Ophthalmology: Judd Street, W.C.1 (associated with the Moorfields Eye Hospital).
Dean: T. KEITH LYLE, C.B.E., M.A., M.D., M.CHIR., F.R.C.P., F.R.C.S.

Institute of Orthopædics: Royal National Orthopædic Hospital, 234 Great Portland Street, W.1.
Dean: H. JACKSON BURROWS, M.A., M.D., F.R.C.S., F.R.A.C.S.

Institute of Psychiatry: Maudsley Hospital, Denmark Hill, S.E.5.
Dean: D. L. DAVIES, M.A., D.M., D.P.M.

Institute of Urology: 10 Henrietta Street, W.C.2 (associated with St. Peter's, St. Paul's and St. Philip's Hospitals).
Dean: A. R. C. HIGHAM, T.D., F.R.C.S.

London School of Hygiene and Tropical Medicine (incorporating the Ross Institute): University of London, Keppel Street, Gower Street, W.C.1; f. 1924, opened 1929.
Dean: E. T. C. SPOONER, M.A., M.D.
Library: *see* Libraries.
Number of teachers: 52.
Number of students: 550 (approx.).
Publications: *Memoir Series, The Journal of Helminthology.* The Bureau of Hygiene and Tropical Diseases, which is governed by a Committee appointed by the Secretary of State for the Colonies, and is housed on the School premises, publishes the *Bulletin of Hygiene*, the *Tropical Diseases Bulletin*, and a series of *Review Monographs.*

II. Schools not in receipt of U.G.C. Grants

King's College, Theological Department: Strand, W.C.2. f. 1846.
Dean: Rev. Canon S. H. EVANS, M.A., B.D.
Number of teachers: 15.
Number of students: 250.

Lister Institute of Preventive Medicine: Chelsea Bridge Road, S.W.1; and Elstree, Herts; inc. 1891.
Director: Prof. A. A. MILES, C.B.E., M.A., M.D., F.R.C.P., F.R.S.

New College, London: 527 Finchley Road, Hampstead, N.W.3; formerly Hackney and New College; New College f. 1850, Hackney College f. 1871; united by Act of Parliament July 14th, 1924, as Hackney and New College, re-named 1936 (parent foundations date back to 1673).
Principal: Rev. JOHN HUXTABLE, M.A.
Secretary: Miss M. A. CANNING.
Library: *see* Libraries.
Number of teachers: 4.
Number of students: 53.

Richmond College: Richmond, Surrey; f. 1843.
Principal: Dr. HAROLD ROBERTS.
Number of tutors: 5.
Number of students: 65.

UNIVERSITY INSTITUTES

Courtauld Institute of Art: 20 Portman Square, W.1; f. 1931.
Director: Prof. Sir A. F. BLUNT, K.C.V.O., M.A., PH.D., D.LITT., F.B.A., F.S.A.
Secretary: CHARLES CLARE.
Number of teachers: 10.
Number of students: 140 full-time, 61 part-time.
Publication: *Journal of the Warburg and Courtauld Institutes* (twice yearly).

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Institute of Advanced Legal Studies: 25 Russell Square, W.C.1; f. 1947; aims to provide a centre for post-graduate legal studies and legal research.
Director: Prof. J. N. D. ANDERSON, O.B.E., LL.D.
Secretary and Librarian: K. HOWARD DRAKE, M.A.
Library of 60,000 volumes.

Institute of Archaeology: 31–34 Gordon Square, W.C.1; f. 1936.
Director: Prof. W. F. GRIMES, C.B.E., M.A., F.S.A., F.M.A.
Secretary: EDWARD PYDDOKE, F.S.A.
Number of teachers: 9.
Number of students: 87.
Publications: *Annual Bulletin* and occasional papers.

Institute of Classical Studies: 31–34 Gordon Square, W.C.1; f. 1953; library of basic research books complemented by the library of the Hellenic and Roman Societies (joint library totals 35,000 volumes); research courses and seminars held for postgraduate students.
Director: Prof. E. G. TURNER, M.A., F.B.A.
Publication: *Bulletin* (annual), *Bulletin Supplements* (irregular).

Institute of Commonwealth Studies: University of London, 27 Russell Square, W.C.1 f. 1949; for postgraduate research workers, particularly in social sciences and recent history.
Director: Prof. K. E. ROBINSON, M.A.
Secretary: T. E. SMITH, O.B.E., M.A.
Librarian: Mrs. V. J. BLOOMFIELD.

Institute of Education: University of London, W.C.1; f. by London County Council as London Day Training College in 1902, transferred to control of University of London 1932.
Director: H. L. ELVIN, M.A.
Dean: Prof. W. R. NIBLETT, B.A., B.LITT.
Secretary: C. W. DIXON, B.LITT., M.A., PH.D.
Number of students: 1,426.
Publications: Studies and Reports, *Year Book of Education, Oversea Quarterly, African Women* (supplement), *Studies and Reports I–XIV, Studies in Education I–VIII, Community Development Bulletin, Studies and Impressions, Handbook for Geography Teachers, Education and Philosophic Mind, External Examinations in Secondary Schools.*

Institute of Germanic Studies: 29 Russell Square, W.C.1; f. 1950 for postgraduate research.
Director: Prof. FREDERICK NORMAN, O.B.E., M.A., F.S.A.
Secretary-Librarian: K. G. KNIGHT, M.A., PH.D.

Institute of Historical Research: University of London, Senate House, W.C.1; f. 1921.
Director: Prof. F. WORMALD, LITT.D., F.S.A., F.B.A.
Secretary and Librarian: A. TAYLOR MILNE, M.A.
Publications: *Annual Report, Bulletin of the Institute of Historical Research, Teachers of History in the Universities of the United Kingdom* (annual), *Victoria County History of England.*

School of Slavonic and East European Studies: University of London, W.C.1; f. 1916.
Director: G. H. BOLSOVER, O.B.E., M.A., PH.D.
Secretary/Registrar: R. G. H. WHITWORTH, B.A.
Number of teachers: 26, including 3 professors.
Number of students: 141 full-time, 79 part-time.
Publications: *The Slavonic and East European Review* (f. 1922; twice yearly).

Warburg Institute: Woburn Square, W.C.1; f. 1905 for the study of the history of the classical tradition.
Director: Prof. E. H. J. GOMBRICH, PH.D., M.A., F.B.A., F.S.A.
Publications: *Studies* (monographs), *Journal of the Warburg and Courtauld Institutes, Corpus Platonicum Medii Aevi, Mediaeval and Renaissance Studies.*

INSTITUTIONS WITH RECOGNISED TEACHERS

The following institutions, although not constituent bodies of the University, have some recognised teachers of the University of London on their staffs.

Battersea College of Technology.
College of Estate Management.
Chelsea College of Science and Technology.
Jews' College.
Northampton College of Advanced Technology.
Northern Polytechnic.
Sir John Cass College.
West Ham College of Technology.
Woolwich Polytechnic.

Schools of Music

Royal Academy of Music.
Royal College of Music.
Trinity College of Music.

Research Institutes

National Institute for Medical Research (*Medicine*).
Rothamsted Experimental Station (*Agriculture*).

TEACHERS' TRAINING COLLEGES

There are also two Teachers' Training Colleges, with some recognised teachers of the University of London, where students may take degree courses.

Goldsmiths' College: Lewisham Way, New Cross, S.E.14; f. 1905.
Warden: D. R. CHESTERMAN, M.SC., PH.D., D.I.C.
Number of recognised teachers: 2. Number of registered internal students of the university 55; Other students 880.

Maria Grey Training College: 300 St. Margaret's Road, Twickenham; f. 1878.
Principal: Miss B. E. DEAYTON, M.A.
Number of registered students: 45.

VICTORIA UNIVERSITY OF MANCHESTER

OXFORD ROAD, MANCHESTER, 13
Telephone: ARDwick 3333.
Founded 1903.

Chancellor: Rt. Hon. The EARL OF WOOLTON, C.H., P.C., D.L., M.A., B.SC., LL.D.
Vice-Chancellor: Sir WILLIAM MANSFIELD COOPER, LL.M.
Registrar: VINCENT KNOWLES, M.A.
Bursar: R. A. RAINFORD, M.A., F.A.C.C.A.
Librarian: MOSES TYSON, M.A., PH.D.

The library contains over 750,000 volumes relating to all the faculties, including:
Medical Library: f. 1930; 110,220 volumes and more than 650 journals, etc.; *Librarian:* G. WILSON, M.A.
College of Technology Library: 45,000 volumes; *Librarian:* L. L. ARDERN.
Library for Deaf Education: f. 1919; 8,700 volumes.

Number of teachers (1962-63): 785 full-time, 236 part-time.
Number of students (1962-63): 5,523 full-time, 451 part-time.
Publications: *Calendar, The Serpent* (once a term), *Medical School Gazette* (four or five times a year).

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Nuffield Radio Astronomy Laboratories, Jodrell Bank: *see under* Research Institutes, p. 467.

DEANS:

Faculty of Arts: Prof. DOROTHY M. EMMET, M.A.
Faculty of Science: Prof. GEOFFREY GEE, C.B.E., M.SC., SC.D., F.R.S.
Faculty of Law: Prof. HARRY STREET, LL.M., PH.D.
Faculty of Medicine: Prof. WALTER SCHLAPP, M.B., CH.B., N.SC., PH.D.
Faculty of Music: Prof. H. D. WESTLAKE, M.A.
Faculty of Economic and Social Studies: Prof. T. E. CHESTER, DR.JUR., M.A.(ECON.).
Faculty of Theology: Prof. F. F. BRUCE, M.A., D.D.
Faculty of Technology: B. V. BOWDEN, M.A., PH.D., M.I.E.E.; *see* also Manchester College of Science and Technology.
Faculty of Education: Prof. R. A. C. OLIVER, M.A., B.ED., PH.D.

PROFESSORS:

Faculty of Arts:

AQUILECCHIA, GIOVANNI, DOTT.LETT. (Italian Language and Literature).
BECKINGHAM, C. F., M.A. (Islamic Studies).
BROOK, G. L., M.A., PH.D. (English Language and Medieval English Literature).
COHEN, JOHN, M.A., PH.D. (Psychology).
COSTELLO, D. P., M.A. (Russian Studies).
CROWE, P. R., B.SC.(ECON.), M.A., PH.D. (Geography).
CUNLIFFE, M. F., M.A., B.LITT. (American History and Institutions).
EMMET, DOROTHY M., M.A. (Philosophy).
GOODWIN, ALBERT, M.A. (Modern History).
HAAS, WILLIAM, M.A. (Comparative Philology).
HANSON, N. L., B.ARCH., A.R.I.B.A. (Comparative Philology).
HUNT, H. S., M.A. (Drama).
JOHNSTON, JOHN, B.COM.SC., PH.D. (Econometrics).
KANTOROWICH, R. H., B.ARCH., M.T.P.I. (Town and Country Planning).
KELLER, R. E., DR.PHIL., M.A. (German Language and Medieval German Literature).
KERMODE, J. F., M.A. (English Literature).
MACKENZIE, W. J. M., C.B.E., M.A., LL.B. (Government).
PARRY, I. F., M.A. (Modern German Literature).
PRIOR, A. N., M.A. (Philosophy).
RAMSDEN, HERBERT, M.A., DR. EN FIL. Y LET. (Spanish Language and Literature).
ROSKELL, J. S., M.A., D.PHIL. (Mediaeval History).
RUPP, Rev. E. G., M.A., D.D. (Ecclesiastical History).
SEMPLE, W. H., M.A., PH.D. (Latin).
SMITH, R. E., M.A. (Ancient History).
SUTCLIFFE, F. E., M.A., PH.D. (Modern French Literature).
ULLENDORF, EDWARD, M.A., D.PHIL. (Semitic Languages and Literature).
VINAVER, EUGENE, M.A., D.LITT., D. ÈS L., CHEV.LEG.D'H. (French Language and Literature).
WESTLAKE, H. D., M.A. (Greek).
WHITE, J. E. C. T., PH.D. (History of Art).
WILLAN, T. S., B.LITT., D.PHIL. (Economic History).
WILLIAMS, B. R., B.A., M.A. (Economics).
ZUNTZ, GÜNTHER, DR.PHIL. (Marburg), F.B.A. (Hellenistic Greek).

Faculty of Science:

BIRCH, A. J., M.SC., D.PHIL. (Organic Chemistry).
BULLOCK, KENNETH, M.SC., PH.D., F.R.I.C., F.P.S. (Pharmacy).
COHEN, JOHN, M.A., PH.D. (Psychology).
COLHOUN, JOHN, B.SC., PH.D., D.SC., D.I.C., F.L.S. (Cryptogamic Botany).
COLLARD, P. J., M.D., M.R.C.P. (Bacteriology).
DENNELL, RALPH, D.SC., F.L.S. (Experimental Zoology).
DIAMOND, JACK, M.SC., M.I.MECH.E. (Mechanical Engineering).
FLOWERS, B. H., M.A., D.SC., F.R.S. (Physics).
GEE, GEOFFREY, C.B.E., M.SC., SC.D., F.R.S. (Chemistry).
HALL, H. E., B.A., PH.D. (Physics).
HALL, W. B., B.SC.(ENG.), A.M.I.MECH.E. (Nuclear Engineering).
HORNE, M. R., M.A., PH.D., SC.D., A.M.I.C.E. (Civil Engineering).
JOHANNESEN, N. H., M.SC., DR.TECH. (Mechanics and Fluids).
KILBURN, TOM, M.A., PH.D., D.SC. (Computer Engineering).
KOPAL, ZDENEK, D.SC., M.SC. (Astronomy).
LEWIS, JACK, PH.D., D.SC., A.R.I.C. (Inorganic Chemistry).
LOVELL, Sir BERNARD, O.B.E., M.SC., PH.D., F.INST.P., F.R.S. (Radio Astronomy).
MITCHELL, G. A. G., O.B.E., T.D., M.B., CH.M., D.SC., M.SC. F.S.A.(SCOT.) (Anatomy and Histology).
NEWMAN, M. H. A., M.A., M.SC., F.R.S. (Pure Mathematics).
PAUL, E. B., M.A., PH.D. (Physics).
ROWE, P. W., B.SC., PH.D., D.SC., A.M.I.C.E. (Soil Mechanics).
SCHLAPP, WALTER, M.B., CH.B., B.SC., PH.D., M.SC. (Physiology).
TOTTLE, C. R., M.MET., F.I.M., F.INST.P. (Metallurgy).
URSELL, F. J., M.A., SC.D. (Applied Mathematics).
VINCENT, E. A., B.SC., PH.D., M.A., F.R.I.C., F.G.S. (Geology).
WARDLAW, C. W., PH.D., D.SC., F.R.S.E. (Botany).
WHITTLE, PETER, M.SC., DR.PHIL. (Mathematical Statistics).
WILLIAMS, F. C., O.B.E., D.SC., D.PHIL., M.I.E.E., F.R.S. (Electrical Engineering).

Faculty of Law:

COOPER, Sir WILLIAM MANSFIELD, LL.M. (Industrial Law).
STREET, HARRY, LL.M., PH.D. (English Law).
TURNER, JOSEPH, LL.M. (Law of Property).
WORTLEY, B. A., O.B.E., LL.D. (Jurisprudence and International Law).

Faculty of Medicine:

ANDERSON, E. W., M.SC., M.D., D.P.M., F.R.C.P. (Psychiatry).
BLACK, D. A. K., B.SC., M.D., F.R.C.P.
BOYD, A. M., M.B., B.S., M.SC., F.R.C.S. (Surgery).
BROCKINGTON, C. F., M.A., M.D., D.P.H., M.R.C.S., M.R.C.P. (Social and Preventive Medicine).
BULLOCK, KENNETH, M.SC., PH.D., F.R.I.C., F.P.S. (Pharmacy).
CAMPBELL, A. C. P., M.B., CH.B., M.SC., F.R.C.P.E. (Pathology).
COHEN, JOHN, M.A., PH.D. (Psychology).
EWING, Sir ALEXANDER, M.A., PH.D. (Education of the Deaf).
GAISFORD, W. F., M.D., M.SC., F.R.C.P. (Child Health).
HARDWICK, J. L., M.D.S., PH.D., F.D.S.R.C.S. (Preventive Dentistry).
KELLGREN, J. H., M.B., B.S., F.R.C.P., F.R.C.S. (Rheumatology).
LAMBERT, V. F., M.D., CH.M., F.R.C.S. (Otolaryngology and Audiology).
LANE, R. E., C.B.E., M.SC., M.D., F.R.C.P. (Occupational Health).
MACDONALD, A. D., M.A., M.SC., M.D. (Pharmacology, Materia Medica, and Therapeutics).
MATTHEWS, ERNEST, M.SC., PH.D., D.D.S., A.R.C.S., D.I.C., F.D.S.R.C.S. (Prosthetic Dentistry).
MITCHELL, G. A. G., O.B.E., T.D., M.B., CH.M., D.SC., F.S.A. (SCOT.) (Anatomy).
MORRIS, W. I. C., M.B., CH.B., M.SC., F.R.C.S.ED., F.R.C.O.G. (Obstetrics and Gynæcology).
PLATT, Sir ROBERT, Bart., M.SC., M.D., F.R.C.P. (Medicine).
RADDEN, H. G., M.SC., D.D.SC., F.D.S.R.C.S., F.D.S.R.C.S.ED. (Dental Surgery).
SCHLAPP, WALTER, M.B., CH.B., M.SC., PH.D. (Physiology).
TOTTLE, C. R., M.MET., F.I.M., F.INST.P. (Dental Metallurgy).

Faculty of Music:

REDLICH, H. F., DR. PHIL.

Faculty of Economic and Social Studies:

CHAPMAN, BRIAN, M.A., D.PHIL. (Government).
CHESTER, T. E., D.JUR. (Social Administration).
GLUCKMAN, H. M., M.A., D.PHIL. (Social Anthropology).
HAGUE, D. C., M.COM. (Applied Economics).
JOHNSTON, JOHN, B.COM.SC., PH.D. (Econometrics).
MACKENZIE, W. J. M., C.B.E., M.A., LL.B. (Government).
PREST, A. R., M.A., PH.D. (Economics and Public Finance).
WILLIAMS, B. R., B.A., M.A. (ECON.) (Political Economy).

Faculty of Theology:

BECKINGHAM, C. F., M.A. (Islamic Studies).
BRANDON, S. G. F., Hon. C.F., M.A., D.D. (Comparative Religion).
BRUCE, F. F., M.A., D.D. (Biblical Criticism and Exegesis).
RUPP, Rev. E. G., M.A., D.D. (Ecclesiastical History).
ULLENDORF, EDWARD, M.A., D.PHIL. (Semitic Languages and Literature).

Faculty of Technology:

ADAMSON, COLIN, M.SC. (ENG.), D.SC., A.M.I.E.E.
ASHMORE, P. G., M.A., PH.D. (Chemistry).
BENSON, R. S., M.SC.(ENG.), PH.D., A.M.I.MECH.E. (Mechanical Engineering).
BRADSHAW, ERIC, M.B.E., PH.D., M.SC.TECH., M.I.E.E. (Electrical Engineering).
DEW, R. B., LL.B., M.A., F.C.A., M.B.I.M. (Industrial Administration).

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EDDY, A. A., M.A., D.PHIL. (Biochemistry).
ENTWISTLE, K. M., M.SC., PH.D. Metallurgy).
FRANCIS, J. R. D., B.SC. (ENG.), F.R.MET.S. (Municipal Engineering).
GILL, STANLEY, M.A., PH.D. (Computation).
HARPER, D. R., B.ARCH., PH.D., F.R.I.B.A., A.M.T.P.I., A.I.L.A. (Building).
HASZELDINE, R. N., D.SC., PH.D., M.A., SC.D., F.R.I.C. (Chemistry).
JOHNSON, WILLIAM, B.SC.TECH., D.SC., A.M.I.MECH.E. (Mechanical Engineering).
KYNCH, G. J., B.SC., PH.D., A.R.C.S., D.I.C. (Mathematics).
KOENIGSBERGER, FRANZ, DIPL.ING., M.SC.TECH., D.SC., M.I.MECH.E., M.I.PROD.E., M.M.A.S.H.E. (Machine Tool Engineering).
LIPSON, H. S., D.SC., M.A., M.SC.TECH., F.INST.P., F.R.S. (Applied Physics).
MERCHANT, WILFRED, M.A., S.M., D.SC., A.M.I.C.E., M.I.STRUCT.E., A.M.I.MECH.E. (Structural Engineering).
MORTON, FRANK, M.SC.TECH., PH.D., D.SC., F.R.I.C., M.I.CHEM.E. (Chemical Engineering).
MORTON, W. E., M.SC.TECH., F.T.I. (Textiles).
PETERS, R. H., B.SC., PH.D. (Textile Chemistry).
REVANS .R. W., B.SC., PH.D. (Industrial Administration).
RHODERICK, E. H., M.A., PH.D., F.INST.P. (Solid-state Electronics).
VINCENT, J. J., M.SC., F.T.I. (Textile Technology).

Faculty of Education:
EWING, Sir ALEXANDER, M.A., PH.D. (Education of the Deaf).
OLIVER, R. A. C., M.A., B.ED., PH.D (Education).
ROSS, T. K., M.SC., PH.D. (Chemical Engineering).
WALLER, R. D., C.B.E., M.A. (Adult Education).
WISEMAN, STEPHEN, B.SC., M.ED.

UNIVERSITY OF NEWCASTLE UPON TYNE

NEWCASTLE UPON TYNE, 1
Telephone: Newcastle 28511

Founded 1851, incorporated as separate University in 1963

Chancellor: His Grace the DUKE OF NORTHUMBERLAND, K.C., T.D., D.C.L., K.ST.J.
Vice-Chancellor: CHARLES ION CARR BOSANQUET, M.A., D.C.L.
Pro-Vice-Chancellor: Prof. GEORGE HENRY JOHN DAYSH, B.LITT.
Registrar: ERNEST MARSDEN BETTENSON, M.A.
Librarian: WILLIAM SMITH MITCHELL, M.A. (Edin.), PH.D. (Aberd.), A.L.C.M.

Number of teachers: 594, including 61 professors.
Number of students (1962-63): 3,158 men, 987 women, total 4,145.
Publications: *Calendar, Gazette, Riddell Memorial Lectures, Earl Grey Memorial Lectures.*

DEANS:

Faculty of Medicine: Prof. ANDREW GILCHRIST ROSS LOWDON, O.B.E., M.A., M.B., CH.B., F.R.C.S.
Faculty of Arts: Prof. HARRI LLWYD HUDSON-WILLIAMS, B.A. (Wales), M.A. (Cantab.).
Faculty of Science: Prof. GEORGE STANLEY RUSHBROOKE, M.A., PH.D., F.R.S.E.
Faculty of Applied Science: Prof. JOHN METCALFE COULSON, M.A., PH.D., D.I.C., M.I.CHEM.E.
Faculty of Economic and Social Studies: Prof. STANLEY RAYMOND DENNISON, C.B.E., M.A.
Faculty of Law: Prof. DEREK WILLIAM ELLIOTT, LL.B., Solicitor of the Supreme Court.
Faculty of Agriculture: Prof. MALCOLM MCGREGOR COOPER, B.AGR.SC., B.LITT., DIP.RUR.(ECON.), F.R.S.E.
Faculty of Education: Prof. JOHN PHILIP TUCK, M.A.

PROFESSORS:

Faculty of Arts:
BARROW, GEOFFREY WALLIS STEUART, M.A., B.LITT. (Mediæval History).
BRITTON, KARL WILLIAM, M.A., A.M. (Philosophy).
BURN, WILLIAM LAURENCE, M.A., J.P. (Modern History).
DAYSH, GEORGE HENRY JOHN, B.LITT. (Geography).
DENNISON, STANLEY RAYMOND, C.B.E., M.A. (Economics).
FLETCHER, GEOFFREY BERNARD ABBOTT, M.A. (Classics and Ancient History).
HUDSON-WILLIAMS, HARRI LLWYD, M.A. (Greek).
MENNIE, DUNCAN MACKENZIE, Chev. Order of the North Star (Sweden), Chev. Order of St. Olav (Norway), M.A., DR.PHIL. (German).
NAPPER, JACK HOLLINGWORTH, M.A., DIP.T.P., F.R.I.B.A., A.M.T.P.I. (Architecture).
ROWNTREE, KENNETH, M.A. (Fine Art).
URE, PETER, M.A. (English Language and Literature).
YARROW, PHILIP JOHN, M.A. (Cantab.), D.U. (Paris) (French).
(Vacant—Town and Country Planning.)

Faculty of Law:
ELLIOTT, DEREK WILLIAM, LL.B., Solicitor of the Supreme Court (Law).

Faculty of Medicine:
BROWNE, RICHARD CHARLES, M.A., D.M., M.R.C.P. (Industrial Health).
COURT, SEYMOUR DONALD MAYNEORD, M.D., CH.B., M.R.C.P., D.C.H. (Child Health).
GREEN, CECIL ALFRED, M.D., CH.B., PH.D., D.P.H. (Bacteriology).
HALLETT, GEORGE EDWARD MAURICE, M.D.S., F.D.S.R.C.S., H.D.D.R.C.S., D.ORTH., R.C.S. (Children's Dentistry).
HARPER, ALFRED ALEXANDER, M.A., M.D., CH.B. (Physiology).
HEPPLESTON, ALFRED GORDON, M.D., CH.B., M.R.C.P. (Pathology).
HOWE, GEOFFREY LESLIE, F.D.S.R.C.S., M.R.C.S., L.R.C.P. (Oral Surgery).
INGRAM, JOHN THORNTON, M.D., B.S., F.R.C.P. (Dermatology).
LATNER, ALBERT LOUIS, M.SC., M.D., CH.B., D.SC., M.R.C.P., A.R.C.S., D.I.C., F.R.I.C. (Clinical Chemistry).
LOVEL, RAYMOND WILLIAM, D.D.S., F.D.S.R.C.S., H.D.D.R.C.S. (Operative Dental Surgery).
LOWDON, ANDREW GILCHRIST ROSS, O.B.E., M.A., M.B., CH.B., F.R.C.S.ED. (Surgery).
MACK, ALAN OSBORNE, L.D.S., R.C.S. (Dental Prosthetics).
PASK, EDGAR ALEXANDER, O.B.E., M.A., M.D., B.CHIR., F.F.A.R.C.S., D.A., R.C.P. & S. (Anæsthetics).
RANNIE, IAN, M.D., CH.B. (Pathology).
ROTH, MARTIN, M.D., B.S., M.R.C.S., M.R.C.P., D.P.M. (Psychological Medicine).
RUSSELL, JAMES KNOX, M.D., CH.B., F.R.C.O.G. (Midwifery and Gynæcology).
SCOTHORNE, RAYMOND JOHN, M.D., CH.B. (Anatomy).
SMART, GEORGE ALGERNON, B.SC., M.D., F.R.C.P. (Medicine).

Faculty of Science:
BADDILEY, JAMES, PH.D., D.SC. (Organic Chemistry).
BONSALL, FRANK FEATHERSTONE, M.A. (Pure Mathematics).
BURNETT, JOHN HARRISON, M.A., D.PHIL. (Botany).
DAYSH, GEORGE HENRY JOHN, B.LITT. (Geography).
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Number of teachers: 361, including 43 professors.
Number of students (1962-63): 1,963 men, 851 women, total 2,814.
Publications: *Calendar* (yearly), *Prospectuses* (yearly), *Gazette* (three times yearly).

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Number of students (1962-63): 8,803.
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Merton College: f. 1264.
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Exeter College: f. 1314.
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Jesus College: f. 1571.
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Wadham College: f. 1612.
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Master: ALAN LOUIS CHARLES BULLOCK, M.A.

Keble College: f. 1870.
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Hertford College: f. 1874.
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Nuffield College: f. 1937.
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St. Antony's College: f. 1950.
Warden: FREDERICK WILLIAM DAMPIER DEAKIN, D.S.O., M.A.

Linacre House: f. 1962.
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Campion Hall: f. 1896.
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St. Benet's Hall: f. 1897.
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Greyfriars: f. 1910.
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Somerville College: f. 1879.
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St. Hugh's College: f. 1886.
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St. Hilda's College: f. 1893.
Principal: KATHLEEN MAJOR, B.LITT., M.A.

St. Anne's College: f. 1893 (as Society of Oxford Home Students).
Principal: Lady OGILVIE, M.A.

Queen Elizabeth House: f. 1954; a centre for Commonwealth Studies.
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Number of teachers: 220, including 28 professors.
Number of students (Oct. 1962): 1,008 men, 776 women, total 1,784.
Publications: *University Calendar* (September), *University Gazette* (three times yearly).

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The University libraries comprise approx. 660,000 volumes.

Number of teachers: 527, including 49 professors.
Number of students (1962-63): 2,051 men, 1,032 women, total 3,083.

DEANS:

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Faculty of Science: Prof. ANTHONY ELLIOT RITCHIE, M.A., B.SC., M.D., F.R.S.E.
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Faculty of Law: Prof. ARTHUR ALEXANDER MATHESON, Q.C., M.A., LL.B.
Faculty of Applied Science: Prof. JOHN DICK, B.SC., M.A., PH.D., M.I.MECH.E.
Faculty of Social Science: Prof. ARCHIBALD DUNCAN CAMPBELL, M.A.

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CARR, CHARLES TELFORD, M.A., D.LITT. (German Language and Literature).
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WILLIAMS, GORDON WILLIS, M.A. (Humanity).
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Number of teachers: 10.
Number of students: 42.

Queen's College: Dundee.

Master: ARTHUR ALEXANDER MATHESON, Q.C., M.A., LL.B.

Number of teachers: 351.
Number of students: 1,525.

UNIVERSITY OF SHEFFIELD

SHEFFIELD, 10
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Bursar: R. M. URQUHART, M.A.
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Number of full-time teaching staff: 435, including 65 professors.

Number of students (1962-63): 2,531 men, 723 women, total 3,254 (full-time).

Publications: *Calendar, Annual Report, Gazette, Brochure, Faculty Prospectuses.*

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Institute of Education: (Vacant).
Postgraduate School in Mining: A. ROBERTS, M.SC., PH.D., M.I.MIN.E. (*Director*).

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COLLINS, D. H., O.B.E., M.D., F.R.C.P. (Pathology).
ELSDEN, S. R., B.A., PH.D. (Microbiology).
HAMPSON, E. L., M.D.S., F.D.S.R.C.S., H.D.D.R.C.S. (EDIN.) (Operative Dentistry).
HODSON, J. J. B.D.S., PH.D., L.D.S.R.C.S. (Dental Pathology).
ILLINGWORTH, R. S., M.D., F.R.C.P., D.P.H., D.C.H. (Child Health).
KAY, A. W., M.D., CH.M., F.R.C.P., F.R.C.S. (Surgery).
KAY, H., M.A., PH.D. (Psychology).
KNOWELDEN, J. W. F., M.D., D.P.H. (Preventive Medicine).
MARCH, N. H., B.SC., PH.D. (Physics).
OLLIS, W. D., B.SC., PH.D. (Organic Chemistry).
PORTER, G., B.SC., M.A., PH.D., SC.D., F.R.S., F.R.I.C. (Chemistry).
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STENGEL, E., M.D., L.R.C.S., L.R.C.P., L.R.F.P.S., F.R.C.P. (Psychiatry).
STEVENS, T. S., B.SC., D.PHIL., F.R.S. (Chemistry).
STUART-HARRIS, C. H., C.B.E., M.D., F.R.C.P. (Medicine).
WILSON, G. M., B.SC., M.D., F.R.C.P., F.R.C.P.E. (Pharmacology and Therapeutics).

Faculty of Law:
COUSIN, D. R., B.A. (Philosophy).
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MARSHALL, O. R., M.A., PH.D. (Law).
POLLARD, J., B.SC.(ECON.), PH.D. (Economic History).
POTTER, G. R., M.A., PH.D., F.S.A. (Medieval History).

Faculty of Engineering:
ALLEN, D. N. DE G., M.A. (Applied Mathematics).
ATKINSON, F. S., M.ENG., M.I.MIN.E., A.M.I.C.E. (Mining).
BACON, G. E., M.A., B.SC., PH.D., F.INST.P. (Physics).
BOULTON, N. S., M.SC., M.INST.C.E. (Civil Engineering).
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DUNCAN, J. P., M.E., M.I.MECH.E., A.M.I.E., M.I.PROD.E., A.INST.P. (Mechanical Engineering).
HONEYCOMBE, R. W. K., D.SC., PH.D., F.I.M. (Physical Metallurgy).
MARCH, N. H., B.SC., PH.D. (Physics).
MOORE, L. R., D.SC., PH.D., F.G.S. (Geology).
NEEDHAM, J., M.A., DIP.ARCH., F.R.I.B.A. (Architecture).
NORTHCOTT, D. G., M.A., PH.D., F.R.S. (Pure Mathematics).
OLLIS, W. D., B.SC., PH.D. (Organic Chemistry).
PAGE, J. K., B.A. (Building Science).
PORTER, G., B.SC., M.A., PH.D., SC.D., F.R.S., F.R.I.C. (Physical Chemistry).
QUARRELL, A. G., D.SC., PH.D., A.R.C.S., F.INST.P., F.I.M. (Metallurgy).
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Faculty of Metallurgy:
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HAWORTH, R. D., D.SC., PH.D., F.R.S., F.R.I.C. (Chemistry).
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MARCH, N. H., B.SC., PH.D. (Physics).
MOORE, L. R., D.SC., PH.D., F.G.S. (Geology).
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OLLIS, W. D., B.SC., PH.D. (Organic Chemistry).
PORTER, G., B.SC., M.A., PH.D., SC.D., F.R.S., F.R.I.C. (Physical Chemistry).
QUARRELL, A. G., D.SC., PH.D., A.R.C.S., F.INST.P., F.I.M. (Metallurgy).
STEVENS, T. S., B.SC., D.PHIL., F.R.S. (Chemistry).
THRING, M. W., M.A., F.INST.F., M.I.CHEM.E. (Fuel Technology and Chemical Engineering).
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ALLEN, D. N. DE G., M.A. (Applied Mathematics).
COUSIN, D. R., B.A. (Philosophy).
FISHER, C. A., M.A. (Geography).
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NORTHCOTT, D. G., M.A., PH.D., F.R.S. (Pure Mathematics).
POLLARD, S., B.SC.(ECON.), PH.D. (Economic History).
POTTER, G. R., M.A., PH.D., F.S.A. (Mediæval History).
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SMYTH, D. H., M.D., M.SC., PH.D. (Physiology).

UNIVERSITY OF SOUTHAMPTON

HIGHFIELD, SOUTHAMPTON
Telephone: 56331.

Founded 1952; formerly University College, f. 1850; opened as the Hartley Institution 1862; incorporated as the Hartley University College 1902.

Chancellor: (Vacant).
Vice-Chancellor: D. G. JAMES, M.A., LL.D., D.LITT.
Deputy Vice-Chancellor: Prof. H. C. BALDRY, M.A.
Treasurer: A. R. AVENS, F.C.A.
Secretary and Registrar: R. N. M. ROBERTSON, M.A., LL.B.
Academic Registrar: Miss M. W. PRICE WHITE, B.A.
Librarian: B. M. BLAND, M.COM.

The library consists of approx. 170,000 books and periodicals.

Number of teaching staff: 241, including 30 professors.
Number of students (1962-63): 1,900.

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Faculty of Engineering: Prof. L. G. A. SIMS, M.SC., PH.D., D.SC., M.I.E.E.
Faculty of Social Sciences: Prof. D. C. ROWAN, B.A.
Faculty of Law: J. F. WILSON, M.A.
Faculty of Education: Prof. F. W. WAGNER, M.A., B.SC.

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DAVIES, E. T., D.SC., PH.D., D.MATH. (Pure Mathematics).
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JAHN, H. A., M.SC., PH.D. (Applied Mathematics).
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RAYMONT, J. E. G., B.SC., A.M., D.SC. (Zoology).
SIMS, G. D., D.I.C., M.SC., PH.D., A.M.I.E.E. (Electronics).
TAYLOR, A. M., M.A., PH.D., F.INST.P. (Physics).
THWAITES, B., M.A., PH.D. (Mathematics—Theoretical Mechanics).
WILLIAMS, W. T., A.R.C.S., PH.D., D.SC., D.I.C., F.L.S. (Botany).
ZEPLER, E. E., PH.D., M.BRIT.I.R.E. (Electronics).
(Vacant—Physiology and Biochemistry).

Faculty of Engineering:
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DAVIES, E. T., D.SC., PH.D., D.MATH. (Pure Mathematics).
JAHN, H. A., M.SC., PH.D. (Applied Mathematics).
MORICE, P. B., D.SC., PH.D., A.M.I.C.E., A.M.I.STRUCT.E. (Civi Engineering).
RICHARDS, E. J., O.B.E., M.A., D.SC., F.R.AE.S., (Aeronautical Engineering).
SIMS, G. D., D.I.C., M.SC., PH.D., A.M.I.E.E. (Electronics).
SIMS, L. G. A., M.SC., PH.D., D.SC., M.I.E.E. (Electrical Engineering).
THWAITES, B., M.A., PH.D. (Mathematics—Theoretical Mechanics).
ZEPLER, E. E., PH.D., M.BRIT.I.R.E., (Electronics).

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Faculty of Education:
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UNIVERSITY OF SUSSEX

STANMER HOUSE, STANMER, BRIGHTON
Telephone: Brighton 66755

Founded 1961

Chancellor: The Rt. Hon. The Viscount MONCKTON OF BRENCHLEY, P.C., K.C.M.G., K.C.V.O., M.C., Q.C., M.A., D.C.L., LL.D.

Vice-Chancellor: J. S. FULTON, M.A.

Registrar: A. E. SHIELDS, M.B.E., M.A.

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Number of teachers: 110.
Number of students (Oct. 1963): 870.

DEANS:

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School of European Studies: Prof. R. J. M. WIGHT, B.A.
School of English Studies: Prof. D. DAICHES, M.A., D.PHIL.
School of Physical Sciences: Prof. R. J. BLIN-STOYLE, M.A., D.PHIL.
School of Educational Studies: Prof. B. FORD, M.A.

PROFESSORS;

BARNA, T., B.SC.(ECON.), PH.D. (Economics).
BLIN-STOYLE, R. J., M.A., D.PHIL. (Theoretical Physics).
BRIGGS, ASA, M.A., B.SC.(ECON.), F.R.HIST.S. (History).
CORBETT, J. P., M.A. (Philosophy).
CRUICKSHANK, J., M.A., PH.D. (French).
DAICHES, D., M.A., D.PHIL. (English).
EABORN, C., B.SC., PH.D., D.SC., F.R.I.C. (Chemistry).
ELKINS, T. H., B.A. (Geography).
FORD, B., M.A. (Education).
SCOTT, D. B., M.A., D.SC. (Mathematics).
SMITH, K. F., M.A., PH.D. (Experimental Physics).
WIGHT, M., B.A. (European History).

UNIVERSITY OF WALES

CATHAYS PARK, CARDIFF
Telephone: 22656.

Founded 1893.

Chancellor: H.R.H. The PRINCE PHILIP, DUKE OF EDINBURGH, EARL OF MERIONETH, K.G., K.T., LL.D., F.R.S.

Pro-Chancellor: The Rt. Hon. Lord MORRIS OF BORTH-Y-GEST, P.C., C.B.E., M.C., LL.D.

Vice-Chancellor: J. H. PARRY, C.M.G., M.B.E., PH.D.

Registrar: J. GARETH THOMAS, M.A.

Total number of students (1962) (five colleges): 7,083.

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President: Sir DAVID HUGHES PARRY, Q.C., M.A., D.C.L., LL.D.
Principal: THOMAS PARRY, D.LITT., F.B.A.
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Registrar: T. MAELGWYN DAVIES, O.B.E., M.A.
Librarian: A. AP GWYNN, M.A.

Number of volumes in the library: 155,000.
Number of teaching staff: 205, including 28 professors.
Number of students: 1,756.

Publications: *Courier* (fortnightly), *Dragon* (annual), *Reports* (annual).

DEANS:

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Faculty of Education: Prof. J. L. WILLIAMS, PH.D.

PROFESSORS:

AARON, R. I., M.A., D.PHIL., F.B.A. (Philosophy).
BEYNON, W. J. G., C.B.E., D.SC., PH.D. (Physics).
BOWEN, E. G., M.A., F.S.A. (Geography and Anthropology).
BRIGGS, E. R., M.A., PH.D. (French Language and Literature).
DAVIES, D. J. LL., M.A., LL.B., BAR.-AT-LAW (Law).
DAVIES, T. V., D.SC. (Applied Mathematics).
DAVIES, W. H., M.A. (Classics).
ELLISON, W., B.SC., PH.D. (Agriculture—Crop Husbandry).
GOODWIN, T. W., D.SC. (Agricultural Biochemistry).
JONES, BRYN, D.SC. (Zoology).
JONES, GWYN, M.A. (English).
JONES, THOMAS, M.A., D.LITT. (Welsh Language and Literature).
LINDLEY, D. V., M.A. (Statistics).
MAGILL, C. P., M.A., PH.D. (German and Germanic Philology).
NICHOLS, J. E., M.SC., PH.D., F.R.S.E. (Agriculture—Animal Husbandry).
PARROTT, H. I., M.A., D.MUS., F.T.C.L., A.R.C.O. (Music).
PENNINGTON, W. B., M.A., PH.D. (Pure Mathematics).
PIERCE, T. JONES, M.A. (Medieval Welsh History).
REYNOLDS, P. A., M.A. (International Politics).
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TREHARNE, R. F., M.A., PH.D. (History).
TROTMAN-DICKENSON, M.A., PH.D., D.SC. (Chemistry).
WAREING, P. F., D.SC., PH.D., (Botany).
WILLIAMS, DAVID, A.M., D.LITT. (Welsh History).
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University College of North Wales: Bangor; Telephone: Bangor 2501; f. 1884.

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Number of teaching staff: 165, including 27 professors.
Number of students: 1,397.

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Faculty of Science: W. CHARLES EVANS, M.SC., PH.D.

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DANBY, J. F., M.A. (English).
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MILES, T. R., M.A. (Psychology).
MOWAT, C. L., M.A., PH.D. (History).
MUNDLE, C. W. K., M.A. (Philosophy).
PALMER, F. R., M.A. (Linguistics).
ROBERTS, GLYN, M.A. (Welsh History).
ROBERTS, Rev. B. J., M.A., D.D. (Hebrew).
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Marine Biology Station: Dir. D. J. CRISP, M.A., PH.D.

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Principal: ANTHONY STEEL, O.B.E., J.P., LITT.D.
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Number of teaching staff: 221, including 34 professors.

Number of students: 2,116.

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Faculty of Economic and Social Studies: S. C. PARRIS, B.SC.(ECON.).

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MORGAN, J., D.MUS. (Music).
MORITZ, L. A., M.A., D.PHIL. (Latin).
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REES, B. R., M.A., PH.D. (Greek).
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THOMAS, J. H., M.A., D.U.P. (French and Romance Philology).
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WILLIAMS, T. P., M.A. (German).

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BROUGH, J., PH.D., D.SC. (Zoology).
COOPER, J. L. B., M.A., D.PHIL. (Pure Mathematics).
DODGSON, K. S., PH.D., D.SC. (Biochemistry).
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JONES, J. ITHEL, M.A., B.D. (Philosophy of Religion, Philosophical Theism, Christian Doctrine and Ethics).
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EVANS, ERIC, M.A. (Education).

University College of Swansea: Singleton Park, Swansea; Telephone: Swansea 25678; f. 1920.

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Number of teaching staff: 191, including 25 professors.
Number of students: 1,645.

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WILLIAMS, G., D.LITT. (History).

Faculty of Science:
BALCHIN, W. G. V., M.A., PH.D. (Geography).
HASSALL, C. H., M.SC., PH,D. (Chemistry).
KNIGHT-JONES, E. W., D.PHIL. (Zoology).
LLEWELLYN-JONES, F., M.A., D.PHIL., D.SC. (Physics).
OLDROYD, J. G., M.A., PH.D. SC.D. (Applied Mathematics).
RHODES, F. H. T., PH.D. (Geology).
STREET, H. E., D.SC. (Botany).
WESTON, J. D., D.SC. (Pure Mathematics).

Faculty of Applied Science (Technology):
FISHWICK, W. G. V., M.A., PH.D. (Electrical Engineering).
MACMILLAN, R. H., M.A. (Mechanical Engineering).
O'NEILL, H., D.SC., M.MET. (Metallurgy).
RICHARDSON, J. F., PH.D. (Chemical Engineering).
SINGER, A. R. E., PH.D. (Physical Metallurgy).
ZIENKIEWICZ, O. C., PH.D. (Civil Engineering).

The Welsh National School of Medicine: 34 Newport Road, Cardiff; telephone 28434; incorporated as an Independent School of the University of Wales by Royal Charter in 1931.

President: Sir CLEMENT PRICE THOMAS, K.C.V.O., LL.D., F.R.C.P., F.R.C.S.
Provost: A. TREVOR JONES, M.D., F.R.C.P., D.P.H.
Dean of Clinical and Postgraduate Studies: A. G. WATKINS, B.SC., M.D., F.R.C.P.
Secretary: F. DODSWORTH, F.C.I.S.
Librarian: ELUNED LUMLEY JONES, A.L.A.

Number of volumes in the library is 15,641.
Number of teaching staff: 42 full-time, including 10 clinical professors.
Number of Clinical students: 160.

PROFESSORS:

COCHRANE, A. L., M.B.E., M.A., M.B., B.CHIR. (Tuberculosis and Chest Diseases).
COOKE, B .E. D., M.D.S., F.D.S., L.R.C.P., M.R.C.S. (Dentistry).
DUNCAN, A. S., D.S.C., M.B., CH.B., F.R.C.S., F.R.C.O.G. (Obstetrics and Gynæcology).
FORREST A. P. M., M.D., CH.M., F.R.C.S. (Surgery).
GOUGH, J., B.SC., M.D. (Pathology and Bacteriology).
GRUNDY, F., M.D., CH.B., M.R.C.P., D.P.H. (Preventive Medicine).
LANDGREBE, F. W., D.SC. (Pharmacology).
LOWE, C. R., M.D., PH.D., L.R.C.P., M.R.C.S. (Public Health and Preventive Medicine).
MUSHIN, W. W., M.A., M.B., B.S., D.A., F.F.A. (R.C.S.), F.F.A. (R.A.C.S.) (Anæsthetics).
SCARBROUGH, H., M.B., CH.B., PH.D., F.R.S.E., F.R.C.P.E. (Medicine).
THOMSON, SCOTT, M.D., F.R.C.P., D.P.H. (Bacteriology).
WATKINS, A. G., B.SC., M.D., F.R.C.P., M.R.C.S. (Child Health

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UNIVERSITY OF WARWICK

COVENTRY, WARWICKSHIRE

Telephone: 62405

Charter pending: first students 1965.

Chancellor: No appointment.
Vice-Chancellor: J. B. Butterworth, M.A.
Registrar: A. D. Linfoot, M.A.
Librarian: P. E. Tucker, B.Litt., M.A., A.L.A.

Professors:

Charlton, D. G., M.A., Ph.D. (French).
Hale, J. R. (History).
Harrison, W. (Politics).
Hunter, G. K., D.Phil. (English).
Sargent, J. R., M.A. (Economics).
Shercliff, J. A., Ph.D. (Engineering Science).
Zeeman, E. C. (Mathematics).

UNIVERSITY OF YORK

THE KING'S MANOR, YORK

Telephone: York 59861

Founded 1960

Chancellor: The Rt. Hon. The Earl of Harewood.
Vice-Chancellor: The Rt. Hon. Lord James of Rusholme, M.A., D.Phil., LL.D.
Registrar: J. P. West-Taylor, M.A.
Bursar: D. G. H. Cannon, D.P.A., F.C.C.S.
Librarian: H. Fairhurst, M.A.

Number of teachers: 29.
Number of students (Oct. 1963): 214.
Publication: *Prospectus.*

Professors:

Aylmer, G. E., M.A., D.Phil. (History).
Brockbank, J. P., B.A., Ph.D. (English).
Heavens, O. S., B.Sc., Ph.D. (Physics) (from 1965).
Kennedy, P. B., M.Sc., Ph.D., D.Sc. (Mathematics).
Le Page, R. B., B.A., Ph.D. (Language) (from 1964).
Mackie, J. L., M.A. (Philosophy).
Moodie, G. C., M.A. (Politics).
Norman, R. O. C., B.Sc., M.A., D.Phil. (Chemistry) (from October 1965).
Peacock, A. T., D.Sc., M.A. (Economics).
Ree, H., D.S.O., O.B.E., M.A. (Education).
Wiseman, J., B.Sc. (Applied Economics) (from January 1964).

ST. DAVID'S COLLEGE

LAMPETER, CARDS.

Telephone: Lampeter 42.

Founded 1822 by Dr. Thomas Burgess (1756-1837), formerly Bishop of St. David's (1803-1825) and later Bishop of Salisbury; College opened on St. David's Day, 1827; first Royal Charter granted 1829, later Charters in 1852, 1865, 1896 and 1963. It is a residential college of the style, design, and character familiar in the ancient English universities. It provides university education leading to the degrees of B.A. and B.D., and is open to receive and educate any person whatever.

Affiliated to the Universities of Oxford and Cambridge and since 1961 linked under a Sponsorship Agreement with the University College of South Wales and Monmouthshire, Cardiff.

Principal: Rev. Canon J. R. Lloyd Thomas, M.A.
Bursar: Wing Commander G. Smythe, D.F.C., M.B.E., F.C.I.S.
Manciple: Meurig Griffiths.
Librarian: S. C. Boorman, M.A.
Sub-Librarian: R. C. Rider, M.A.
Welsh Librarian: David F. Marks, M.A.

The library contains about 55,000 volumes.
Number of teaching staff: 27, including 5 professors.
Number of students: 200.

Professors:

Boorman, Stanley Clifford, M.A. (English).
Chandaman, Cecil Douglas, B.A., Ph.D. (History).
Harris, Harold Arthur, M.A. (Classics).
Hunt, Ernest William, M.A., B.D., B.Litt. (Theology).
Wood, Thomas, M.A., B.D. (Pastoral Theology).

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COLLEGES OF SCIENCE AND TECHNOLOGY

College of Aeronautics, The: Cranfield, Beds. (postal address: Cranfield, Bletchley, Bucks.); f. 1946; provides one-year and two-year courses to selected students of graduate standard, providing them with advanced engineering, scientific and technical training in aeronautics and other branches of technology to fit them for senior position in industry, the Services, research and education; officially sponsored courses in space technology, guided missiles and operational research, open to students from any country; library of 20,000 vols.; Principal Prof. A. J. MURPHY, M.SC., F.I.M., F.R.AE.S.; Registrar H. HARRIS, LL.B., B.SC.(ECON.), D.P.A., F.C.C.S.; Librarian C. W. CLEVERDON; publ. *College of Aeronautics Reports* (irregular).

Advanced School of Automobile Engineering: Cranfield, Beds.; f. 1959 in assoc. with the College of Aeronautics; to provide a one-year post-graduate course in accordance with the needs of the motor-industry; Dir. Prof. J. R. ELLIS, M.SC.(ENG.), PH.D., M.R.S.A.

Manchester College of Science and Technology, The: Sackville Street, Manchester; f. 1824 as Manchester Mechanics Institute; as Faculty of Technology in Manchester Univ. 1905; teaching and research in technology.

Visitor: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G.

President: Sir JOHN COCKCROFT, O.M., K.C.B., C.B.E., F.R.S.

Principal and Dean, Faculty of Technology, Manchester University: B. V. BOWDEN, M.A., PH.D., M.SC.TECH., M.I.E.E.

Registrar: J. BURGESS, M.A.

Librarian: L. L. ARDERN, F.L.A.

The library contains 55,000 volumes.

Number of teachers: 320, including 20 Professors.

Number of students: 2,086 full-time; 5,240 part-time.

Publications: College and Faculty prospectuses: *Monographs on Management, International Journal of Mechanical Engineering Education, International Journal of Electrical Engineering Education, Proposals for the Development of the Manchester College of Science and Technology, Careers for Graduates, Annual Report.*

Royal College of Science and Technology: Glasgow, George Street, C.1; Telephone: BEL. 4400; f. 1796 under the title of the Andersonian Institution; affiliated since 1913 to the University of Glasgow; conducts undergraduate and postgraduate courses of study in various branches of Applied and Pure Science, Technology and Social Studies. On May 31st, 1963, H.M. Government announced that the College should become a University. It will be called the University of Strathclyde.

Chancellor Designate: Lord TODD.

Primcipal and Vice-Chancellor Designate: S. C. CURRAN, M.A., PH.D., D.SC., F.R.S.

Secretary: G. H. THOMSON, B.COM.

Librarian: C. G. WOOD, F.L.A.

Number of full-time teachers: 263, including 19 professors.

Number of students (1962-63): 1,977.

Publications: *Annual Report, Report on Research.*

PROFESSORS:

ALEXANDER, K. J. W., B.SC.(ECON.), D.P.A. (Industrial Economics).
BRUCE, F. M., M.SC., PH.D., M.I.E.E., M.AMER.I.E.E., A.INST.P., F.R.S.E. (Electrical Engineering).
ELLWOOD, E. C., B.SC., PH.D., F.I.M. (Metallurgy).
FIELDEN, F., M.A., F.R.I.B.A. (Architecture).
FRAZER, W., B.SC., PH.D., A.R.C.S.T., A.M.I.C.E., A.M.I.MECH.E. (Civil Engineering).
HAWTHORN, J., B.SC., PH.D., A.R.C.S.T., F.R.I.C. (Food Science).
HIBBERD, G., P.HD., A.R.C.S.T., M.I.MIN.E., F.R.S.E. (Mining Engineering).
IRVING, J., M.A., PH.D. (Natural Philosophy).
LYTHE, S. G. E., B.A., M.A., D.P.A. (Economic History).
MEREDITH, R., D.SC., F.INST.P., F.T.I., F.R.S.E. (Textile Technology).
MORRIS, E. O., B.SC., PH.D., M.I.BIOL. (Applied Microbiology and Biology).
PACK, D. C., M.A., D.SC., F.R.S.E. (Mathematics).
PATERSON, T. T., M.A., B.SC., PH.D. (Industrial Administration).
PAUSON, P. L., B.SC., PH.D., F.R.I.C., F.R.S.E. (Chemistry).
POTTER, A. M., B.A., M.A., PH.D. (Political Theory and Institutions).
RITCHIE, P. D., B.SC., PH.D., F.R.I.C., F.I.C., F.P.I., M.I.CHEM.E., F.R.S.E. (Chemical Technology).
SCOTT, A. W., C.B.E., B.SC., PH.D., A.R.T.C., M.I.MECH.E., M.I.CHEM.E. (Chemical Engineering).
STENLAKE, J. B., D.SC., PH.D., F.P.S., F.R.I.C. (Pharmacy).
THOMSON, A. S. T., D.SC., PH.D., A.R.C.S.T., M.I.C.E., M.I.MECH.E. (Mechanical Engineering).

Royal Military College of Science: Shrivenham, Swindon, Wiltshire; Telephone: Shrivenham 551; f. 1864 at Woolwich; officer students and civilians holding Shrivenham Scholarships are prepared for degrees in engineering and science of the University of London; Technical Staff Officers for the Home and Commonwealth armies take post-graduate courses and officers of the three services take more advanced specialist courses; the College is residential.

Commandant: Major-General R. W. EWBANK, C.B., C.B.E., D.S.O., M.A.

Dean: S. J. DAVIES, C.B.E., D.SC.(ENG.), PH.D., M.I.MECH.E.

Registrar: D. J. CHAPMAN, B.A.

The library contains over 80,000 volumes and pamphlets.

Number of teachers: 74, including 7 professors and 13 associate professors. There is also a military directing staff.

Publication: Royal Military College of Science *Annual Report.*

Royal Naval College, Greenwich: London, S.E.10.

Governor: Rt. Hon. Lord CARRINGTON, M.C.

President of the College: Rear Admiral MORGAN GILES, D.S.O., O.B.E., G.M.

Secretary and Librarian: G. W. FISHER.

Captain of the College: Capt. D. K. BUCHANAN-DUNLOP, D.S.C.

Director of Studies and Dean of College: Inst. Capt. V. LAMB, B.SC.

PROFESSORS:

BELL, J. F. W., B.SC., PH.D., F.PHYS.D., A.M.I.E.E. (Physics and Engineering).
BROADBENT, T. A. A., M.A. (Mathematics).
DOWSON, A. G., F.I.M., PH.D. (Chemistry and Metallurgy).
EDWARDS, J. (Nuclear Physics).
LLOYD, C. C., M.A., F.R.HIST.S. (History and English).
MORLEY, A. W., M.SC., PH.D., F.R.AE.S. (Applied Mechanics).
PAFFETT, J. A. H., M.R.I.N.A., R.C.N.C. (Naval Architecture).
TRAUNCE, M. (Cmdr.), (Marine Engineering).

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COLLEGES OF ADVANCED TECHNOLOGY

Battersea College of Technology: Battersea Park Road, S.W.11; f. 1891.

Principal: D. M. A. LEGGETT, M.A., PH.D., D.SC., S.A.F.R.AE.S.

Number of teachers: recognised by the University of London: 24.

Total number: 222 full-time, 131 visiting.

Number of students: registered with the University of London: 835.

Total number: 1,304 full-time; 1,118 part-time.

Birmingham College of Advanced Technology: Gosta Green, Birmingham, 4; f. 1895; Principal Sir PETER VENABLES, PH.D., B.SC., F.R.I.C.; Designated College of Advanced Technology which provides Diploma in Technology Courses on sandwich basis in Electrical Engineering, Mechanical and Production Engineering, Applied Physics, Chemistry, Technological Mathematics, Metallurgy, Building, Civil Engineering; other sandwich courses in Chemical Engineering and Gas Engineering; College Associateship and Diploma in Management Studies and Postgraduate Diploma in Advanced Management Studies; Courses leading to the examinations of Professional Bodies; Postgraduate courses and research; London University external degree courses in six branches of science and technology; Specialist courses on a wide range of topics; 304 full-time and 250 part-time teachers; 4,755 students.

Bradford Institute of Technology: Bradford 7; Departments of Biological Sciences, Chemical Technology, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Management and Administration, Mathematics, Pharmacy, Physics, Social Sciences, Textile Industries. Courses lead to the Diploma in Technology, external degrees of London University (B.Pharm., B.Sc.(Econ.), B.Sc.(Eng.) in Civil Engineering, B.Sc. (General) in Botany and Zoology), and various specialist qualifications, including the Postgraduate Diploma of the Bradford Institute of Technology.

Principal: E. G. EDWARDS, PH.D., B.SC., F.R.I.C.

Number of students: 1,600.

Bristol Technical College: Ashley Down, Bristol 7; Departments of Building, Domestic Science and Institutional Management, Electrical Engineering, General Studies, Mechanical Engineering, Navigation and Radio and Radar, Printing, Science. Courses offered for Ordinary National Diplomas in Building and Engineering, Higher National Diplomas in Building, Higher National Certificates in Applied Biology, Applied Physics, Chemistry, Metallurgy, Electrical Engineering, Mechanical Engineering, Production Engineering. Craft courses in Building, Electrical Engineering, Mechanical Engineering, Production Engineering, Printing, Women's Subjects.

Principal: E. POOLE, B.SC.(ENG.), M.I.MECH.E., M.I.PROD.E.

Number of students: 600 full-time, 8,000 part-time.

Brunel College: Woodlands Avenue, Acton, London, W.3; Departments of Biology, Chemistry, Electrical Engineering and Electronics, Management, Mathematics, Mechanical Engineering, Physics, Production Technology, Psychological and Social Science.

Principal: J. TOPPING, M.SC., PH.D., D.I.C., F.INST.P.

Number of teachers: 121.

Number of students (1962): 466 full-time, 153 short full-time courses, 1,810 part-time.

Chelsea College of Science and Technology: Manresa Road, Chelsea, S.W.3; f. 1895.

Principal: N. M. H. LIGHTFOOT, M.A., F.R.S.E.

Number of teachers: recognised by the University of London: 28.

Total number: 118 full-time; 86 part-time.

Number of students: registered with the University of London: 1,093.

Total number: 755 full-time day; 259 part-time day; 1,102 evening.

Loughborough College of Technology: Loughborough, Leicestershire; a residential College of Advanced Technology, maintained by the Ministry of Education; provides full-time courses (three to four years) in aeronautical, automotive, chemical, civil, electrical, mechanical and production engineering and industrial chemistry; the College Diploma at Honours level carries exemption from certain examinations of the professional engineering institutions and most courses qualify for the award of the Diploma in Technology; postgraduate courses are provided in industrial, electrical and chemical engineering, industrial chemistry, and in ergonomics and cybernetics.

Principal: H. L. HASLEGRAVE, WH.SC., M.A., PH.D., M.SC.(ENG.), M.I.MECH.E., M.I.E.E., M.I.PROD.E.

Registrar: F. L. ROBERTS, B.A.; approx. 1,200 students.

Northampton College of Advanced Technology (London): St. John Street, E.C.1; f. 1896.

Principal: J. S. TAIT, B.SC.(ENG.), PH.D.

Secretary: T. H. HOLMES, A.C.I.S.

Number of teachers: recognised by the University of London: 14; Total number: 225.

Number of students registered with the University of London: 400; 1,000 sandwich and Dip.Tech. students, and 2,750 part-time.

The Royal College of Advanced Technology: Salford 5; f. f. 1896; designated College of Advanced Technology 1956.

Principal: C. WHITWORTH, M.SC., PH.D., F.R.I.C., F.INST.F.

Secretary and Clerk to the Governing Body: E. T. SHARMAN, F.C.I.S., D.M.A.

Librarian: A. C. BUBB, B.A., F.L.A.

College offers full-time and part-time courses in most branches of engineering and science, including Diploma in Technology and London University (External) Degree courses.

Number of students: 1,200 full-time, 2,650 part-time.

Welsh College of Advanced Technology, The: Cathays Park, Cardiff; f. 1916; technological and scientific education and research; the College is associated with the University of Wales for the preparation of students for the B.Arch., B.Pharm., M.Pharm., and Ph.D. degrees, and with the National Council for Technological Awards for Diplomas in Technology.

Principal: A. HARVEY, PH.D., B.SC., F.INST.P.

The library contains approx. 24,000 volumes and pamphlets.

Number of teachers: 180 full-time; 100 part-time.

Number of students: 950 full-time, 2,000 part-time.

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NATIONAL COLLEGES

National College of Agricultural Engineering: Boreham House, Chelmsford, Essex until 1963; the main undergraduate type course is fully residential, will occupy three years and lead to College Associateship; Chair. Board of Govs. Sir GILBERT FLEMMING, K.C.B., Principal Dr. P. C. J. PAYNE.

National College of Food Technology: St. George's Avenue, Weybridge, Surrey; f. 1951; Principal J. D. MOUNFIELD, M.SC.TECH., PH.D., F.R.I.C.; Registrar H. VIZARD ROBINSON.

National College for Heating, Ventilating, Refrigeration and Fan Engineering: Borough Polytechnic, Borough Road, London, S.E.1; f. 1948; diplomas and associateships are awarded to full-time students of the College; Dir. J. E. GARSIDE, PH.D., M.SC.; Head DAVID R. SCOTT, M.SC., PH.D.; Clerk to the Govs. F. J. PACKER, F.C.I.S., A.M.B.I.M.; 20 full-time academic staff, 12 visiting lecturers; 275 full-time students, 550 part-time students.

National College of Rubber Technology: Holloway Road, London, N.7; one-year post-graduate and three-year undergraduate courses leading to the college associateship and the Associateship of the Institution of the Rubber Industry; four-year sandwich associateship course in rubber; one-year post-graduate and three-year undergraduate courses leading to Associateship of the Plastics Institute; post-graduate research leading to fellowships, and higher university degrees; Director J. LEICESTER, M.SC., M.SC.(TECH.), PH.D., F.R.I.C.; Head of College F. H. COTTON, PH.D.

National Foundry College: Stafford Street, Wolverhampton, Staffs.; full-time diploma course (two years); Head of College: J. BAMFORD, B.SC.

National Leathersellers College: 176 Tower Bridge Road, London, S.E.1; f. 1909; two- and three-year diploma course to full-time students; Principal J. P. DANBY, B.SC., PH.D.; Registrar W. G. GENTLE.

Royal College of Art: Kensington Gore, London, S.W.7; f. 1837 as School of Design; Schools of Painting, Sculpture, Graphic Design, Furniture Design, Textile Design, Ceramics, Silversmithing and Jewellery Design, Fashion Design, Interior Design, Engineering Design; Departments of Stained Glass, Industrial Glass, Television, Film Design and General Studies; approx. 450 students; Principal ROBIN DARWIN, C.B.E.; Registrar J. R. P. MOON, M.A.

REGIONAL TECHNICAL COLLEGES

(As designated by the Ministry of Education, London)

Borough Polytechnic: Borough Road, London, S.E.1; f. 1891; departments of Electrical Engineering, Mechanical Engineering, Chemistry and Chemical Technology, Physics, Mathematics, Bakery and Confectionery, Catering and Hotel Management.

Principal: JAMES E. GARSIDE, M.SC.TECH., PH.D., F.R.I.C., F.I.M., F.INST.F.

Number of teachers: 137 full-time, 385 visiting lecturers.

Number of students: 399 full-time, 7,511 part-time.

Brighton College of Technology: Moulsecoomb, Brighton, 7.

Principal: G. E. WATTS, C.B.E., M.A., PH.D., B.SC., F.R.I.C.

Registrar: R. E. HAWKER, D.S.C., F.C.C.S.

Number of students: 750 full-time, 800 part-time.

Hatfield College of Technology: Roe Green Lane, Hatfield, Herts.; f. 1952.

Principal: W. A. J. CHAPMAN, M.SC.(ENG.), PH.D., M.I.MECH.E., M.I.PROD.E.

Number of teachers: 110.

Number of students: 2,000.

Huddersfield College of Technology: Queensgate, South Huddersfield, Yorks.; f. 1841.

Principal: Dr. W. E. SCOTT, M.B.E., M.SC., PH.D., F.R.I.C.

The library contains approx. 25,500 volumes and periodicals.

Number of teachers: 200 full-time; 450 part-time.

Number of students (approx.): 924 full-time; 5,055 part-time; 4,179 evening only.

Kingston College of Technology: Penrhyn Road, Kingston upon Thames; f. 1899.

Principal: J. R. I. HEPBURN, D.SC., PH.D., F.R.I.C., F.I.M.

Lambeth, Brixton, L.C.C. School of Building: Ferndale Road, London, S.W.4.

Principal: D. A. G. REID, B.SC.(ENG.), M.I.C.E., M.I.STRUCT.E., A.I.O.B.

Number of students: 560 full-time; 5,400 part-time.

Lanchester College of Technology: Coventry; f. 1960.

The library contains 11,000 vols., 400 periodicals.

Principal: A. J. RICHMOND, B.SC.(ENG.), PH.D., M.I.MECH.E.

Vice-Principal: J. F. DICKINSON, B.SC.(ENG.), PH.D., A.M.I.MECH.E., A.M.I.MAR.E.

Librarian: E. G. BAXTER, M.A., A.L.A.

Registrar: F. A. W. KNIGHT.

HEADS OF DEPARTMENTS:

Mechanical: B. B. OVERY, M.A., M.SC., A.M.I.MECH.E.

Production: R. L. ASTON, A.M.I.MECH.E., M.I.PROD.E., F.G.S.

Electrical: E. A. HANNEY, M.ENG., PH.D., M.I.E.E., M.BRIT.I.R.E.

Aeronautical: H. G. CUMING, M.A., PH.D., D.I.C., A.F.R.AE.S.

Civil Engineering and Building: H. E. WALKER, M.ENG., A.M.I.C.E., A.M.I.MUN.E.

Chemistry and Metallurgy: M. E. FOSS, B.SC., PH.D., F.R.I.C.

Applied Physics: F. J. PEARSON, B.SC., PH.D., A.INST.P.

Mathematics: R. WOOLRIDGE, M.C., B.SC.

Management and Business Studies: W. F. FRANK, B.COM., LL.B., M.SC.(ECON.), DR.JUR., M.B.I.M.

Number of teachers: 138.

Approximate number of students: 350 full-time, 1,500 part-time, 1,300 evening.

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Leeds College of Technology (Leeds Education Committee): Calverley Street, Leeds, 1; f. 1824 as Mechanics Institute, Leeds.
Principal: CLIFFORD CHEW, M.SC.TECH., F.R.I.C.
Registrar: HARRY C. B. COUNSELL.
No resident students. Full- and part-time day courses and evening courses.

Leicester College of Technology: Leicester; full-time degree and diploma courses in Engineering, Chemistry, Physics, Mathematics, Pharmacy, Biology, Business and Management Studies, Textiles and Boot and Shoe Manufacture; 8,200 (full-time, part-time, day and evening) students.
Principal: R. E. WOOD, M.SC., F.INST.P.
Registrar: A. MARTIN, F.C.I.S.

Liverpool College of Building: Clarence Street, Liverpool, 3.
Principal: T. E. HALL, DIP.ARCH., A.R.I.B.A., A.I.O.B.
Number of students: 350 full-time; 2,650 part-time.

Liverpool College of Technology: Byrom Street, Liverpool 3; f. 1901; Regional College of Technology for Merseyside; professional and post-graduate courses in Chemistry, Physics, Mechanical, Production, Electrical and Marine Engineering, Pharmacy, Food Technology and Navigation.
Principal: S. A. J. PARSONS, B.SC.(ECON.), M.I.MECH.E., M.I.PROD.E., M.B.I.M.

North Staffordshire College of Technology: College Road, Stoke-on-Trent, Staffs.
Principal: Dr. E. R. PATRICK, B.ENG., PH.D., A.M.I.MECH.E., A.M.I.E.E.

Northern Polytechnic: Holloway Road, London, N.7; f. 1892, opened 1896.
Principal: J. LEICESTER, M.SC., M.SC(TECH.), PH.D., F.R.I.C.
Secretary: R. H. CURRELL, F.C.A.
Number of teachers: recognised by the University of London: 12.
Total number: 398.
Number of students: registered with the University of London: 441.
Total number: 1,953 day; 3,060 evening.

Nottingham and District Technical College: Burton Street, Nottingham.
Principal: D. A. R. CLARK, M.SC.(TECH.), M.I.MECH.E., M.B.I.M., A.F.R.AC.S.
Number of students: 257 full-time; 7,675 part-time.

Plymouth College of Technology: Tavistock Road, Plymouth.
Principal: E. BAILEY, B.SC., A.M.I.CHEM.E., F.R.I.C.
Number of students: 1,200 full-time; 5,900 part-time.

Polytechnic, The St. Marylebone: 309 Regent Street, London, W.1; f. 1882; study courses of very wide range: departments of architecture, surveying, town planning, art, chemistry and biology, commerce, cookery and needlecraft, civil and mechanical engineering, electrical engineering, management studies, mathematics and physics, modern languages, and photography.
Dir. of Education: J. E. RICHARDSON, C.B.E., PH.D., B.ENG., M.I.E.E., A.M.I.MECH.E.
Sec. and Clerk to Govs.: E. W. D. H. EARLE, B.A., CERT.ED.
Librarian: E. R. MCCOLVIN, A.L.A.
No. of students, 2,000 full-time; 13,000 part-time.
Publ. *The Polytechnic Magazine* (monthly).

Portsmouth College of Technology: Park Road, Portsmouth.
Principal: W. DAVEY, B.SC., PH.D., F.R.I.C.
Number of students: 800 full-time; 1,000 part-time.

Rugby College of Engineering Technology: Eastlands, Rugby, Warwicks.; Telephone: Rugby 4601-2; a college of technology concerned with Degree and Dip.Tech. courses, postgraduate courses and research. Sandwich courses for B.Sc.(Eng.) and Dip.Tech.(Eng.) in electrical engineering and mechanical engineering, and for Dip.Tech. Applied Physics. Full-time courses for B.Sc. (Special) Mathematics and B.Sc. (General).
Principle: G. S. ATKINSON, B.SC., PH.D.

Rutherford College of Technology: Newcastle-upon-Tyne.
Principal: J. S. ELLIOTT, B.SC.(ENG.), M.I.MECH.E., M.I.PROD.E., F.R.S.A.
Number of teachers: 289.
Number of students: 2,239.

Sir John Cass College: Jewry Street, Aldgate, London, E.C.3; f. 1902.
Principal: A. M. WARD, D.SC., PH.D.
Number of teachers: recognised by the University of London: 17. Total number: 114.
Number of students: registered with the University of London: 644. Total number: 4,562.

South East Essex Technical College and School of Art: Longbridge Road, Dagenham.
Principal: F. HEATHCOAT, J.P., M.SC., PH.D., F.R.I.C.
Number of teachers: 517.
Number of students: 9,307.

Sunderland Technical College: f. 1901; full-time degree courses in Pure Science, Engineering, Pharmacy and sandwich courses for Higher National Diplomas in Engineering and Mining; the College grants a Diploma in Naval Architecture, and has the approval of the Hives Council for Diplomas in Technology in Applied Physics, Civil Engineering and Electrical Engineering;
Principal: M. HUTTON, PH.D., B.A.

Treforest, Glamorgan College of Technology: Llantwit Road, Treforest, Pontypridd, Glamorgan.
Principal: D. P. EVANS, M.SC., PH.D., F.R.I.C., M.B.I.M.

West Ham College of Technology: Romford Road, Stratford, London, E.15; f. 1898.
Principal: Dr. C. BULMER, M.A., PH.D., F.R.I.C.
Number of teachers: recognised by the University of London: 6. Total number: 98 (full-time), 102 (part-time).
Number of students: registered with the University of London: 400. Total number, 2,500.

Woolwich Polytechnic: Thomas Street, Woolwich, London, S.E.18; f. 1890.
Principal: HAROLD HEYWOOD, D.SC., PH.D., A.C.G.I., WH.SCH., M.I.MECH.E., M.I.CHEM.E.
Number of teachers: recognised by the University of London: 8. Total number: 390.
Number of students: registered with the University of London: 278. Total number: 6,375.

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SCHOOLS OF ART

Barber Institute of Fine Arts: The University of Birmingham, Edgbaston, Birmingham, 15; f. 1939 to promote knowledge of art and the study of the history of art within the university; sculpture, paintings, and drawings in the Art Gallery; Dir. Prof. E. K. WATERHOUSE.

Birmingham College of Art and Crafts: Margaret Street. Birmingham, 3; f. 1821; number of students: 864 full-time; 3,176 part-time; Schools of Architecture, Dress Design, Embroidery and Textiles, Furniture, Gold and Silversmithing, Jewellery, Illustration and Commercial Design, Industrial Design, Painting, Painting and Decorating, Photography, Pottery, Sculpture, Teacher Training, Theatre Design, Town Planning; library of 12,500 volumes; Principal MEREDITH W. HAWES, A.R.C.A., N.R.D., A.R.W.S., F.R.S.A.; Librarian L. E. DAVIES, A.L.A.

Brighton College of Art and Crafts: Grand Parade, Brighton; f. 1865 in part of the Royal Pavilion, transferred to present building on its opening in 1877; recognised by the Ministry of Education as providing a complete training for the Diploma in Art and Design in Fine Art and Graphic Design; courses in all areas of study; teaching staff: full-time 28, part-time 113; students: full-time 426, part-time 1,604; Principal R. T. COWERN, A.R.A., R.W.S., R.E., A.R.C.A.; Director of Education W. G. STONE, M.A.; Registrar A. E. SAUNDERS, A.C.I.S.

Central School of Arts and Crafts: Southampton Row, London, W.C.1; f. 1896; depts: Fine Art (Painting, Sculpture, Stained Glass and Etching), Graphic Design, Industrial Design (Engineering) and Furniture, Textile and Theatrical Design, Silversmith's Work and Allied Crafts; library of 10,000 vols.; Principal MICHAEL PATTRICK, F.R.I.B.A., A.A.DIP.; Vice-Principal P. BIRD, B.A., A.T.D.; Secretary L. J. H. PRUCE, F.C.C.S.; Librarian R. MURRY; 2,000 students.

Chelsea School of Art: Manresa Road, London, S.W.3; f. 1895; drawing, painting, sculpture, graphic design; Principal LAWRENCE GOWING.

City and Guilds of London Art School: 124 Kennington Park Road, London, S.E.11; f. 1879; the school is one of the enterprises controlled and financed by the City and Guilds of London Institute (inc. by Royal Charter), an association formed in 1878; Chair. Major L. M. E. DENT, D.S.O.; full- and part-time courses; Painting, Sculpture, Engraving, Lithography, Lettering, Woodcarving; day, evening and Sunday classes; number of teaching staff: 10.

Dundee Institute of Art and Technology: 40 Bell Street, Dundee; f. 1889; provides facilities for education in Technology, Industrial and Fine Art; Chair. The Lord Provost of DUNDEE; Principal, Dundee Technical College, Dr. J. R. WHITTAKER, M.SC., PH.D., M.I.MECH.E., M.I.C.E., F.R.S.A.; Principal, Dundee College of Art, H. ADAM CRAWFORD, R.S.A., D.A.(GLASGOW); Clerk and Treas., Dundee Institute of Art and Technology, F. RAYMOND WILKINSON.

Edinburgh College of Art: Lauriston Place, Edinburgh 3; f. 1907; Schools of Architecture, Town and Country Planning, Drawing and Painting, Design and Crafts, Sculpture; Principal WILLIAM G. GILLIES, C.B.E., R.S.A., R.S.W.; Vice-Principal T. ELDER DICKSON, M.A. PH.D., D.A., F.R.S.E.; Secretary J. R. BROWN, J.P., F.C.I.S.

Glasgow School of Art, The: 167 Renfrew Street, Glasgow, C.3; f. 1840; a college of art with a comprehensive curriculum embracing the many recognised branches of the Fine, Graphic and Applied Arts; Hon. Pres. Sir JOHN R. RICHMOND, K.B.E., LL.D.; Chair. of Govs. JOHN DONALD KELLY, C.B.E., D.L., C.A.; Dir. DOUGLAS P. BLISS, M.A., A.R.C.A.; Sec. and Treas. DAVID C. BLACK, C.A.

Goldsmith's College: (*School of Art*): Lewisham Way, New Cross, S.E.14; f. 1893.
Principal: P. F. MILLARD, R.B.A.
Number of teachers: 40. Number of students: 500 (full-time, part-time and evening).

Heatherley School of Fine Art: 33 Warwick Square, London, S.W.1; f. 1845; school for painting, drawing and scupture; 116 students; Principal FREDERICK PARKINSON.

Leicester College of Art: Leicester; f. 1870; Schools of Architecture, Building, Fine Art, Dress Design, Graphic Design and Printing, Industrial Design, Teacher Training; Depts. of Corsetry, Metal and Silver Design, Wood and Furniture Design, Printing, Sculpture; 2,900 (full-time, part-time day and evening) students: Principal E. E. PULLÉE, A.R.C.A., F.S.A.E., D.A.(MANC.)HON.; Registrar A. MARTIN, F.C.I.S.; Librarian F. C. ADEY, F.L.A.; Library of 12,000 vols.

Manchester Regional College of Art: All Saints, Manchester, 15; f. 1838; instruction in Architecture, Art teaching, Dress, Embroidery, Fine Art, Graphic Design, Interior Design, Pottery, Product Design, Textiles and Sculpture; 1,700 students; library of over 7,000 vols.; Principal J. H. HOLDEN, A.R.C.A., A.T.D., R.B.S.A.; Vice-Principal B. C. C. HIRST, A.T.D.; Keeper of the College Galleries CLAIRE P. BRADLEY; Librarian S. A. WATSON, A.L.A.; Registrar W. BOUTALL.

Nottingham College of Art and Crafts: Waverley Street, Nottingham; f. 1843; full-time diploma courses in Architecture, Town and Country Planning, Painting, Commercial Design, Photography, Industrial Design, Interior Design, Modelling and Sculpture; 1,500 students; Principal ROBERT LYON, D.A.(GLAS.), F.R.S.A.; Registrar GRACE BILBIE.

Royal Academy Schools: Burlington House, Piccadilly, London, W.1; f. 1768; Schools of Painting, Sculpture and Architecture; Keeper HENRY RUSHBURY, C.V.O., C.B.E., R.A.; Sec. HUMPHREY BROOKE, B.A., B.LITT.; Curator WALTER WOODINGTON.

Royal College of Art: Kensington Gore, London, S.W.7; f. 1837; Principal ROBIN DARWIN, C.B.E.; 450 students; *see also* National Colleges.

Ruskin School of Drawing and of Fine Art: Ashmolean Museum, Oxford; f. 1871; classes in Drawing, Painting, Design, Lithography, Anatomy, History of European Painting; the university offers a certificate to students satisfying examiners in these subjects (course 3 years); 80 students; Principal PERCY HORTON, M.A., A.R.C.A.

St. Martin's School of Art: 109 Charing Cross Road, London, W.C.2; f. 1854; depts. of Advertising and Commercial Design, Dress Design (including Fashion Drawing), Millinery, Drawing and Painting, Illustration, Sculpture; 3,000 students; Principal EDWARD J. MORSS, R.B.A., R.O.I., A.R.C.A.

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School of Architecture, Architectural Association: 34-36 Bedford Square, London, W.C.1; instituted 1847; Principal W. A. ALLEN, B.ARCH., A.R.I.B.A.; 320 students.

Slade School of Fine Art: University College, Gower Street, London, W.C.1; f. 1871; courses of study in Drawing, Painting and Sculpture, with the history of these arts; instruction is given in Etching and Engraving, Illumination, in Lithography and in Theatrical Design; students may follow a four-year course leading to the Univ. of London Diploma in Fine Art; 240 students; Slade Prof. Sir WILLIAM COLDSTREAM, C.B.E; Sec. I. E. TREGARTHEN JENKIN, M.A.

West of England College of Art: Queen's Road, Bristol, 8; f. 1853; opened as a Regional Art College 1936; classes in Lithography, Design, Commercial Art, Weaving and Embroidery, Painting, Sculpture, Engraving, Dress Design, etc.; 1,000 students; Principal JACK CHALKER, A.R.C.A., R.B.A.

SCHOOLS OF MUSIC AND DRAMATIC ART

Birmingham School of Music: Birmingham and Midland Institute, Paradise Street, Birmingham, 1; f. 1866; Principal GORDON CLINTON; Sec. E. A. KNIGHT.

Bristol Old Vic Theatre School: 1 and 2 Downside Road, Clifton, Bristol; in association with the Bristol Old Vic Theatre and Drama Dept. of the Univ. of Bristol; courses in acting, design and technical aspects of the theatre; Principal N. BRENNER.

Central School of Speech and Drama: Embassy Theatre, Swiss Cottage, N.W.3; staff 30 (approx.), students 250 (approx.); three departments: stage, teaching of speech and drama, speech therapy; a non-profit-making school supported entirely by fees; Principal GWYNNETH THURBURN, O.B.E., F.C.S.T.; Registrar VERA SARGENT.

Guildhall School of Music and Drama: John Carpenter Street, London, E.C.4; f. by the Corporation of London in 1880 and administered by the Music Cttee.; Professorial staff 120; students 1,400 (approx.); Principal GORDON THORNE, M.A., MUS.B., F.G.S.M., F.R.C.O.; Sec. ERIC H. DAY, M.A., HON.G.S.M.; Registrar JOHN ISARD.

London Academy of Music and Dramatic Art: Tower House, Cromwell Road, London, S.W.5; f. 1861 as a non-profit-making association for the promotion of art; Founder T. H. YORKE TROTTER, M.A., MUS.DOC.; Principal MICHAEL MACOWAN; professional theatrical training.

Royal Academy of Dramatic Art (R.A.D.A.): 62 Gower Street, London, W.C.1; f. 1904; two-year course leading to the R.A.D.A. Diploma; Principal JOHN FERNALD.

Royal Academy of Music: Marylebone Road, London, N.W.1; f. 1822; inc. by Royal Charter 1830; professorial staff 140; students 750-800, full-time study only; Pres. H.R.H. The Duchess of GLOUCESTER; Principal Sir THOMAS ARMSTRONG, M.A., D.MUS., F.R.C.M.; Warden MYERS FOGGIN, F.R.A.M., HON.R.C.M.; Sec. H. STANLEY CREBER, HON.F.R.A.M.; publs. *R.A.M. Magazine* (three times a year), *L.R.A.M. Syllabus* (annually).

Royal College of Music: Prince Consort Road, South Kensington, London, S.W.7; f. 1883; 550 pupils; Dir. KEITH FALKNER, F.R.C.M., R.A.M.(HON.), G.S.M.(HON.); Registrar JOHN R. STAINER, B.A., MUS.B.(CANTAB.), F.R.C.M., F.R.C.O.; Bursar Capt. J. T. SHRIMPTON, C.B.E., R.N.(retd.).

Royal College of Organists: Kensington Gore, London, S.W.7; f. 1864, inc. by Royal Charter 1893; Pres, W. GREENHOUSE ALLT, C.B.E., D.MUS.; Hon. Treas. WILLIAM S. LLOYD WEBBER, D.MUS.; Hon. Sec. Sir WILLIAM MCKIE, M.V.O., M.A., D.MUS.; Clerk J. W. HUGHES.

Royal Manchester College of Music: Devas Street, Oxford Road, Manchester, 15; f. 1893, inc. by Royal Charter 1923; Principal FREDERIC R. COX, O.B.E., M.A., R.A.M. (HON.)., R.C.M.(HON.).

Royal Military School of Music: Kneller Hall, Twickenham, Middlesex; a military school established 1857 for the purpose of training the non-commissioned officer for the position of bandmaster and young soldiers as solo performers; 50 students, 250 pupils; Commandant Col. A. A. N. TUCK, M.B.E.; Dir. of Music Lt.-Col. B. H. BROWN, M.B.E., A.R.C.M.; Adjutant Major R. D. PITT, M.B.E.

Royal School of Church Music: Addington Palace, Croydon, Surrey; f. by the late Sir Sydney Nicholson in 1927, inc. 1930; Chair. of Council The Bishop of KENSINGTON; Dir. GERALD H. KNIGHT, M.A., D.MUS., F.R.C.O., A.D.C.M.; Warden Rev. G. E. SAGE, M.A.; Gen. Sec. H. L. A. GREEN; 7,000 choirs affiliated to the R.S.C.M. in all parts of the world; publ. *RSCM News* and *Promoting Church Music* (quarterly), *English Church Music* (annually).

Royal Scottish Academy of Music: St. George's Place, Glasgow, C.2; f. 1890 as The Glasgow Athenæum, became The Scottish National Academy of Music 1929 and The Royal Scottish Academy of Music 1944; Teaching Staff, 80; 800 students (approx.); Principal HENRY HAVERGAL, M.A. (Oxon.), B.MUS., (Edin.), HON. D.MUS. HON. R.A.M., HON. R.C.M.; Sec. JOHN B. MORRISON, M.B.E.

College of Dramatic Art: f. 1950 as an integral part of the Academy; teaching staff, 20; 160 students (approx.); Dir. COLIN CHANDLER, DIP. R.A.D.A.; Sec. JOHN B. MORRISON, M.B.E.

Trinity College of Music: Mandeville Place, London, W.1; f. 1872; several scholarships, prizes, and awards are awarded annually; Pres. Sir JOHN BARBIROLLI; Chair. Sir WILLIAM MCKIE, M.V.O., M.A., MUS.D., F.T.C.L.; Principal WILFRED GREENHOUSE ALLT, C.B.E., MUS.D., F.T.C.L., F.R.C.O.; Sec. CYRIL A. CORK, B.MUS., F.T.C.L.

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AGRICULTURAL COLLEGES

College of Estate Management: St. Alban's Grove, Kensington, W.8; f. 1919; courses for B.Sc.(Est. Man.) degree and for professional societies dealing with the use, development, valuation, and management of land and buildings.
Principal: R. JARDINE BROWN, M.A., LL.B., D.LITT.
Secretary: P. N. BROOK.
Registrars: Mrs. K. M. ALEXANDER (internal students), J. E. LEONARD, B.SC.(Est. Man.) (external students).
Number of students (day and evening): 750.

Edinburgh and East of Scotland College of Agriculture: *see* Edinburgh University.

Harper Adams Agricultural College: Newport, Shropshire; courses for National and College diplomas in Agriculture and Poultry Husbandry (2 years); diploma in Poultry Technology (3 years).

North of Scotland Agricultural College: Aberdeen; courses for the Scottish and National Diplomas in agriculture, and dairying. Course in Rural Domestic Economy; certificate courses in Agriculture.

Royal Agricultural College: Cirencester, Glos.; College Diplomas in Agriculture and Estate Management, and National and Professional qualifications.
Principal: F. H. GARNER.

Seale-Hayne Agricultural College: Newton Abbot, Devon; diploma courses in General Agriculture and Dairying; a postgraduate or post diploma course in Farm Management and ten-week courses in Agricultural Work Study.

Shuttleworth College: Biggleswade, Bedfordshire; farms 580 acres, estate of 5,500 acres; residential college for 90 men students; diploma courses in Agriculture, and preparation for the National Diploma in Agriculture.

Studley College: Studley, Warwickshire; an agricultural and horticultural college for women; two-year diploma courses in Agriculture and Horticulture, leading ultimately to N.D.D. or N.D.H.; one-year courses.

West of Scotland Agricultural College: *see* Glasgow University.

Wye College: *see* University of London.

EDUCATIONAL TRUSTS

Animal Health Trust (formerly Veterinary Educational Trust): 14 Ashley Place, London, S.W.1; f. 1942 to raise money for the purpose of advancing the health of all types of animals through improving the facilities for veterinary education, post-graduate specialisation in research and other fields, the establishment and running of research stations, and the provision of a hospital and laboratory diagnosis service behind the veterinary practitioner; four research stations—equine, canine, poultry and farm livestock; Pres. His Grace The Duke of NORFOLK, K.G., P.C., G.C.V.O.; Hon Treas. His Grace The Duke of DEVONSHIRE, M.C.; Scientific Dir. and Chair. of Council Dr. W. R. WOOLDRIDGE, M.SC., F.R.C.V.S., F.R.I.C.; Chair. Exec. Cttee. The Lord RANK, D.L., J.P.; Gen. Sec. L. T. NECK, M.C., T.D.; publ. *Animal Health* (quarterly), and periodic technical reports.

Beit Memorial Fellowships for Medical Research: Lister Institute, Chelsea Bridge Road, London, S.W.1; f. 1909 to promote the advancement of research in medicine and allied sciences; the fellowships are open to any man or woman, without restriction as to nationality, who has taken a degree in any faculty in any university of Her Majesty's Dominions, Protectorates and Mandated Territories, India, Pakistan or the Republic of Ireland, approved by the Trustees; Junior Fellowships, £900, £950 and £1,000 p.a. for 3 years; 4th year Fellowships, £1,100 for 1 year; Senior Fellowships, £1,300 p.a. for 3 years. Chair. Sir OLIVER FRANKS, P.C., G.C.M.G., K.C.B., C.B.E.

Calouste Gulbenkian Foundation: 98 Portland Place, London, W.1; administers grants and awards for the Gulbenkian Foundation in the area of Great Britain and the Commonwealth; Sec. J. C. THORNTON; *see also* Gulbenkian Foundation, Lisbon.

Carnegie Trust for the Universities of Scotland: The Merchants' Hall, Hanover Street, Edinburgh; f. 1901; one-half of the net annual income (normally about £150,000) is applied towards the improvement and expansion of the Universities of Scotland, in the Faculties of Science and Medicine, also for improving and extending the opportunities for scientific study and research, and to increasing the facilities for acquiring a knowledge of History, Economics, English Literature and Modern Languages, and such other subjects cognate to a technical or commercial education as can be brought within the scope of the University curriculum; the other half of the income, or such part thereof as in each year may be found requisite, is devoted to the payment of the whole or part of the ordinary class fees exigible by the Universities from certain qualified students of Scottish birth or extraction, and of 16 years of age or upwards, or scholars who have given two years attendance after the age of 14 years, at such Schools and Institutions in Scotland as are under inspection by the Scottish Education Department; any unexpended income from this second purpose being transferable to the first purpose; Sec. and Treas. T. ERSKINE WRIGHT, M.A.

Carnegie United Kingdom Trust: Comely Park House, Dunfermline, Fife; f. 1913; to promote the well-being of the masses of the people of Great Britain and Ireland by "charitable" methods; Sec. D. N. LOWE; publ. *Annual Report.*

Cassel Educational Trust: 21 Hassocks Road, Hurstpierpoint, Sussex; f. 1919; Chair. Sir IFOR EVANS; Sec. DAVID HARDMAN; benefactions to the Women's Colleges at Oxford and Cambridge and to the University of London for the Faculty of Commerce. Periodic grants to Adult Education Institutions and for the promotion of modern language studies; Edwina Mountbatten Grant to Commonwealth students taking courses in U.K.

Chadwick Trust: 90 Buckingham Palace Road, London, S.W.1; f. 1895 for the promotion of sanitary science and the training of the population therein; Chair. Sir W. ALLEN DALEY, B.A., M.D., B.SC., B.S., F.R.C.P., D.P.H.; Vice-Chair. R. LESSING, C.B.E., PH.D., F.R.I.C.,

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F.INST.F., M.I.CHEM.E., Clerk to the Trustees and Lecture Sec. P. ARTHUR WELLS, M.A., M.SC., F.C.C.S., F.INST.P.

Ciba Foundation: 41 Portland Place, London, W.1; f. 1949; to advance and promote the study of and research in all branches of the sciences of chemistry, medicine and surgery, and in particular to advance and promote international co-operation in medical, chemical, biological and pharmaceutical research; Dir. and Secretary to the Exec. Council Dr. G. E. W. WOLSTENHOLME, O.B.E., M.A., M.B., M.R.C.P.; library.

Dartington Hall Trust: Totnes, South Devon; comprises a progressive co-educational school, Arts Centre, Music Teachers' Training School, Adult Education Centre and Research Department for forest economics; Trustees: L. K. ELMHIRST (Chair.), D. W. ELMHIRST, A. O. ELMHIRST, M. YOUNG, W. K. ELMHIRST, P. SUTCLIFFE (Sec.).

Drapers, Worshipful Company of: Drapers' Hall, Throgmorton Street, London, E.C.2; Master H. C. BODDINGTON; Clerk H. FARMAR; First Charter: Edward III, 1364; Acting Charter: James I, 1606.

Exhibition of 1851, Royal Commission for the: 1 Lowther Gardens, Exhibition Road, London, S.W.7; incorporated by Supplemental Charter as a permanent Commission after winding up the affairs of the Great Exhibition, 1851; its object is the promotion of scientific and artistic education by means of funds derived from its Kensington Estate, purchased with the funds left over from the Exhibition. Pres. H.R.H. The PRINCESS ROYAL; Chair. Board of Management Sir KEITH MURRAY; Chair. Science Scholarships Cttee. Sir ERIC RIDEAL; Sec. W. D. STURCH.

Gilchrist Education Trust: 1 York Street, London, W.1; the Trust was founded by the will of Dr. John Borthwick Gilchrist (who died in 1841) for the "benefit, advancement and propagation of education and learning in every part of the world as far as circumstances will permit". Trustees: R. M. WOODHOUSE, B.A., HUMPHREY WHITBREAD, M.A., FRANK R. SALTER, O.B.E., M.A., Sir JOHN WOLFENDEN, C.B.E., M.A., Miss LILIAN E. CHARLESWORTH, C.B.E., B.A.; Sec. S. J. WORSLEY, D.S.O., M.C., M.A., LL.D.

Goldsmiths' Company: Goldsmiths' Hall, Foster Lane, Cheapside, London, E.C.2; f. 1327; the Company, in addition to maintaining close contact with the gold, silver and jewellery industries, makes grants for educational and other purposes. Travelling Fellowships are offered to members of the academic staff of certain Colleges of Advanced Technology. University Studentships are offered for postgraduate study at African colleges, and grants are awarded to enable: (i) undergraduates from British public schools to attend Commonwealth universities; (ii) school masters and mistresses to travel abroad during periods of sabbatical leave; and (iii) undergraduates of certain London colleges to travel abroad during the long vacation.

Grocers' Company: Grocers' Hall, Princes Street, London, E.C.2; f. 1345; Clerk J. ELLISON-MACARTNEY; (1) Laxton Grammar School, Oundle, Northants. (founded and endowed as a free grammar school, 1556); the Court of the Company manage and maintain this Grammar School for the sons of residents in the town and neighbourhood. (2) Oundle School, Northants.; established by the Grocers' Company in 1876; the Court is the Governing Body.

Gulbenkian Foundation: *see* Calouste Gulbenkian (above).

Haberdashers' Company: Haberdashers' Hall, Staining Lane, London, E.C.2; f. 1448; Master R. S. BLUNDELL; the Company has certain educational grants, scholarships and exhibitions.

Harkness Fellowships of the Commonwealth Fund of New York: Harkness House, 38 Upper Brook Street, London, W.1; a philanthropic foundation endowed by the late Mrs. Stephen V. Harkness and the late Mr. and Mrs. Edward Harkness; Harkness Fellowships available to British subjects for study and travel in the United States of America now combine in one programme the various categories of Commonwealth Fund Fellowships of the period 1925-58. Similar Fellowships are also available, by invitation only, to selected applicants from France, Italy, The Netherlands and Western Germany. Conditions of eligibility, award and tenure are published in memoranda, which may be obtained from the Warden (S. GORLEY PUTT), Harkness House; final selection is made by a British Cttee. of Award: Sir ERIC ASHBY (Chair.), D. G. CHRISTOPHERSON, O.B.E., F.R.S., SYLVESTER G. GATES, C.B.E., C. H. WILSON, Sir ISAIAH BERLIN, C.B.E., Sir REGINALD VERDON-SMITH, Sir WILLIAM HALEY, K.C.M.G., Sir ROBERT SHONE, C.B.E.

King George's Jubilee Trust: St. James's Palace, London, S.W.1; 1935; to advance the physical, mental and spiritual welfare of the younger generation and especially of young persons who are aged 14 and upwards. Trustees: Sir EDWARD R. PEACOCK, G.C.V.O., Rt. Hon. Lord ASHBURTON, Rt. Hon. Lord MIDDLETON, K.G., M.C., T.D.; Chairman of Administrative Council H.R.H. The Duke of GLOUCESTER, K.G.; Sec. D. S. MILLER, C.B.E.; (Offices: 166 Piccadilly, London, W.1).

Leathersellers of the City of London, Worshipful Company of: 15 St. Helen's Place, London, E.C.3; Clerk JOHN HINGSTON, B.A., First Charter 1444; the Company awards (*a*) Theological Exhibitions tenable at the Universities of Oxford, Cambridge and London, and (*b*) Secular Exhibitions tenable at either Oxford or Cambridge; the Exhibitions are open to male undergraduates in residence at the Universities and boys at Public and recognised Secondary Schools who desire to proceed to a University; candidates must satisfy the Company of their educational attainments and that they are in need of financial aid to complete or proceed to a University Course.

Leverhulme Research Awards: St. Bridget's House, Bridewell Place, London, E.C.4; f. 1933; Awards, Fellowships and Grants are awarded to senior workers who are prevented by routine duties or pressure of work from carrying out research. They are limited to British-born subjects normally resident in the United Kingdom. In exceptional circumstances the Trustees may waive the condition as to residence. The duration of the awards does not extend over more than two years or less than three months, and the amount depends on the nature of the research and the circumstances of the applicant. Forms of application may be obtained from the Secretary, Leverhulme Research Awards, St. Bridget's House, Bridewell Place, London, E.C.4; Chair. Advisory Committee Sir JAMES MOUNTFORD, M.A., D.LITT.; Sec. Miss M. BRANNEY.

Lord Kitchener National Memorial Fund: 50 Pall Mall, London, S.W.1; f. 1916; about 40 scholarships awarded annually to sons of serving or ex-service personnel of H.M. Forces, tenable at British and Irish universities or approved institutions of university rank, including medical schools, age limit 17–20 at January 1st, or up to 30 for ex-Servicemen; application forms obtainable from the office and returnable in January and February annually, and interview. Pres. The Marquess of SALISBURY, K.G.; Chair. of Council The Lord Mayor of

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London; Chair. Exec. Cttee. Sir Herbert Creedy, G.C.B., K.C.V.O.; Chair. Scholarship Cttee. Lt.-Gen. R. G. W. H. Stone, C.B., D.S.O., M.C.; Sec. C. G. M. Broom, M.A.

Nuffield Foundation: Nuffield Lodge, Regent's Park, London, N.W.1. The Nuffield Foundation is the result of Lord Nuffield's greatest benefaction. It was established in 1943 as a trust, with a capital valued at £10,000,000. The four main objects of the Foundation, as stated in the Trust Deed, are: The advancement of health, including the prevention and relief of sickness, particularly by the support of medical teaching and research; the improvement of social well-being, particularly by the furtherance of scientific research; the advancement of education; and the care and comfort of the aged. The Trust Deed, however, gives effect to Lord Nuffield's desire that the trustees should have wide additional powers of selection and initiative. The major part of the Foundation's activities is related to the needs of Great Britain; but, in addition to its programme of training fellowships and scholarships for students from the Dominions, the Foundation also supports research within the whole British Commonwealth. It has also set up the National Corporation for the Care of Old People. The trustees consist of two ordinary trustees, and six managing trustees, of whom the Chair. is The Hon. Sir Geoffrey C. Gibbs, K.C.M.G.; Dir. L. Farrer-Brown, C.B.E. (until March 31st, 1964).

Phoenix Trust: 4 St. James's Square, London, S.W.1; f. 1959; grants to literature and the arts; Sec. T. Aytley.

Pilgrim Trust, The: Millbank House, 2 Great Peter Street, Westminster, London, S.W.1; f. in 1930 by the late Edward Stephen Harkness of New York to help preserve the national inheritance of the United Kingdom of Great Britain and Northern Ireland, and to promote the future well-being of the country and its people. Grants are confined to such purposes as fall within the legal definition of "charitable". In the period of the industrial depression preceding the last war the Trustees assisted a large number of social service centres and educational settlements for the unemployed. At all times they have given consideration to proposals for the encouragement of learning and the arts and for the preservation of ancient buildings, both ecclesiastical and secular, of historical records, and of the countryside, and since the conclusion of the war have devoted the main part of their resources to these objects. Applications cannot be considered from established charities having a recognised field of support or from individuals seeking pecuniary assistance. Annual income about £200,000. Sec. The Rt. Hon. Lord Kilmaine, C.B.E.

Plunkett Foundation for Co-operative Studies: 10 Doughty Street, London, W.C.1; f. 1919; promotes the systematic study of the principles and methods of agricultural and industrial co-operation; carries on training courses in agricultural co-operation in Great Britain and Africa; maintains the co-operative Reference Library of some 12,000 books, also pamphlets, reports and periodicals in 20 or more languages; open daily to students; Trustees: E. R. Haken, J. A. Morley, W. J. W. Cheesman, A. C. Richmond, P. Kelly, N. Wood, S. A. Garnham, Dr. J. Raeburn, B. J. Surridge, Dr. D. Warriner, The Rt. Hon. The Earl of Listowel, T. Taylor; Sec. Miss M. Digby; publs. *The Year Book of Agricultural Co-operation* (f. 1927; double numbers for the years 1943-44 and 1945-46; annual issue resumed 1947), *Law and Practice of Co-operation, Agricultural Co-operation in the Commonwealth, Co-operative Organisation in Tropical Countries, Law for Co-operatives, Transport for Agricultural Co-operatives, Survey of Capital and Credit in Agricultural Co-operative Societies in Great Britain.*

Rhodes Trust: Rhodes House, Oxford; f. 1902; the endowment of the Rhodes Scholarships for men from the British Commonwealth, South Africa and the United States at Oxford University; Trustees: Rt. Hon. Lord Hailey, Dr. K. C. Wheare (Rector of Exeter College), Sir George Abell, Lt.-Gen. Sir Archibald Nye, Rt. Hon. Lord Franks (Provost of Worcester College), Rt. Hon. Viscount Harcourt, Rt. Hon. Viscount Amory, J. G. Phillimore; Sec. E. T. Williams.

Rotary International in Great Britain and Ireland: Tavistock House, Tavistock Square, London, W.C.1; f. 1914; Rotary Foundation Fellowships for International Understanding are awarded to carefully selected college graduate students from all parts of the Rotary world for one year of advanced study in universities located in countries other than their own; 43,000 mems., publ. *Rotary* (monthly).

Salters' Institute of Industrial Chemistry: 36 Portland Place, London, W.1; f. 1918; The Master, Wardens and Court of the Salters' Company; (*a*) Fellowships for special training in Chemistry, Biochemistry or Chemical Engineering; (*b*) Scholarships for full time instruction in the principles of Chemical Engineering or for further experience by research in Chemistry or Chemical Engineering; (*c*) Grants to heads of Departments of Chemical Engineering; (*d*) Exhibitions to certain Public Schools for boys specialising in Science or Mathematics; (*e*) Study Conference for Science Schoolmasters.

Thomson Foundation: c/o Thomson House, 200 Gray's Inn Road, London, W.C.1; f. 1963; to provide education and vocational training facilities in the emergent countries, particularly those countries within the Commonwealth; Trustees: Field Marshal Lord Alexander of Tunis, Lord Kilmuir (Chair.), Lord Williamson, K. R. Thomson, J. M. Coltart; Dir. T. Neil, C.M.G., T.D.

United World Trust: 29 Great James Street, London, W.C.1; f. 1956; undertakes charitable activities concerned with education and international affairs, and especially with the means of securing peace; Trustees Lord Darwen, Reginald Sorensen, M.P., Ritchie Calder, C.B.E., James L. Henderson, PH.D., Gerald Bailey, Rev. W. W. Simpson; Sec. Robin Dixon; publs. *The Economics of Disarmament, World Issues and the Teacher.*

Wolfson Foundation: 20 Copthall Avenue, London Wall, E.C.2; f. 1955; promotes education and health in the United Kingdom and Commonwealth with particular reference to scientific and technological education, building facilities for higher education, youth activities, medical research, cancer research, and medical, surgical and nursing services. Within its chosen fields the Foundation will direct its efforts where private donations can do most to initiate new projects and in addition will seek to co-operate with national and other voluntary organisations. Trustees: The Rt. Hon. The Lord Nathan, P.C., T.D., F.B.A. (Chair.), Sir Isaac Wolfson, Bt., hon. LL.D. (Lond.), hon. F.R.C.P., Sir Stanford Cade, K.B.E., C.B., F.R.C.S., Sir John Cockroft, O.M., K.C.B., C.B.E., F.R.S., The Rt. Hon. The Lord Evans, G.C.V.O., M.D., F.R.C.P., Prof. A. L. Goodhart, K.B.E., Q.C., F.B.A., The Rt. Hon. The Earl of Kilmuir, P.C., G.C.V.O., Lady Wolfson, Leonard Wolfson, Lt.-Gen. Sir Harold Redman, K.C.B., C.B.E. Dir. and Sec.).

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NORTHERN IRELAND

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Belfast Natural History and Philosophical Society: Old Museum Buildings, 7 College Square North, Belfast; f. 1821; 91 mems.; Hon. Sec. JOHN GRANT; publs. *Proceedings and Reports.*

Arts Council of Northern Ireland, The: 1 Joy Street, Belfast 2; f. 1943; the aims and policy of the Council are to provide throughout Northern Ireland art exhibitions of first-class works, dramatic, musical and ballet performances of the highest standard, and poetry and story readings; Pres. J. RITCHIE MCKEE; Dir. Mrs. S. E. CAPPER; publ. *Annual Report.*

Observatory, The: Armagh; f. 1790 by Primate Robinson; it possesses an 18/12-in. Schmidt telescope, a 10-in. refractor, two special meteor cameras and, together with Dunsink Observatory, a 36/32-in. telescope in South Africa; library of 4,000 vols.; Dir. E. M. LINDSAY; Research Associate Dr. E. J. OPIK; Technical Assistant H. H. R. GROSSIE; Sec. Miss SHEELAGH GREW; Junior Assistant Miss MARGARET WALKER; publ. *Armagh Observatory Contributions* and leaflets.

Philharmonic Society: 2 Wellington Place, Belfast; f. 1874; the object of this society is to encourage the performance of music, including symphony and choral concerts; 800-900 mems. and subscribers; Pres. ROBERT WATTS, C.E.B., M.C.; Sec. R. LESLIE BELL, B.COM.SC., A.C.A.

LIBRARIES

Belfast Library and Society for Promoting Knowledge (Linen Hall Library): Donegall Square North, Belfast; f. 1788; over 150,000 vols.; 2,500 mems. and subscribers; special features are the Gibson Collection of Burns and Burnsiana, the Ewart Collection of books on textile manufactures, Belfast-printed books, etc., and the Belshaw Collection; Librarian JAMES W. VITTY.

Belfast Public Libraries: Central Public Library, Royal Avenue, Belfast; 9 branch libraries and 3 part-time centres; f. 1888; 456,000 volumes. Reference Group of Libraries 172,000 volumes; special collections: General Reference 44,000 volumes; Irish Library 31,000 books, pamphlets and MSS. on all aspects of Ireland, Ulster and Belfast; Commercial and Technical Library 10,000 volumes in public collection and Patents Collection of 18,000 volumes; Music Library 8,000 volumes and scores; Bibliographic Department 3,000 volumes of subject bibliography; Book Headquarters Collection (Central Reserve) 75,000 volumes; Central Lending Library 55,000 volumes; microfilm holdings; photocopying apparatus; City Librarian I. A. CRAWLEY, F.L.A.

Magee University College Library: Londonderry; f. 1865; 60,000 books and pamphlets; special collections: Spalding Collection on Eastern civilisations, Irish Collection, Irish Presbyterianism, Londonderry Local Collection, and Incunabula; MSS. include Steward, Deuchanel and Witherow collections; Librarian AGNES M. MCAULAY, B.A., F.L.A.

Public Library: Armagh; f. 1771 by Primate Richard Robinson; Ref. Dept. about 30,000 vols., Lending Dept. about 10,000; Dean Swanzy's special collection of genealogical works and Army Lists; history, theology, philosophy; largely antiquarian; MSS. include collection of Primatial Registers from 1362; Keeper Very Rev. H. W. RENNISON; Deputy Librarian K. M. HAMILTON, M.A., J.P.

Queen's University Library: Belfast; f. 1849; 310,000 books and pamphlets; special collections: R. M. Henry Collection of Irish History and Literature, Hamilton Harty Music Library, Antrim Presbyteries Library, MacDouall Collection (Philology); Librarian (Vacant).

In addition to the above libraries, each of the six counties has its own County Library.

MUSEUMS

Belfast Transport Museum: Witham Street, Belfast; opened June 1962; Curator R. B. BEGGS; collection represents development of Irish Land Transport (Road and Rail) from about 1840.

County Museum: The Mall, Armagh; f. 1935; collection of material illustrative of local history and antiquities; Curator D. R. M. WEATHERUP, A.M.A.

Queen's University: Belfast; has the following six museums, Herbarium, Classical Archæology, Geology, Materia Medica, Medicine and Zoology.

Ulster Folk Museum: 109 Royal Avenue, Belfast, 1; in 1958 legislation was passed in the Northern Ireland Parliament to establish a Folk Museum under a Board of Trustees consisting of representatives from central and local government and the Queen's University, Belfast. Substantial financial support comes from central and local government funds; Chair. of Board of Trustees The Rt. Hon. Alderman R. G. C. KINAHAN, J.P., Lord Mayor of Belfast; Dir. G. B. THOMPSON, M.SC., F.M.A.

Ulster Museum: Stranmillis, Belfast; est. under municipal management 1888 with opening of Central Public Library; transferred to own building 1929; since April 1962 administered by Board of Trustees as national museum; Dir. W. A. SEABY, F.S.A., F.M.A.; contains collections of fine and industrial arts, coins, medals, Irish antiquities, ethnography, and natural history.

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UNIVERSITIES AND COLLEGES

QUEEN'S UNIVERSITY OF BELFAST

Telephone: Belfast 30111

Founded as Queen's College in 1845, received University Charter in 1908.

Chancellor: (Vacant).
President and Vice-Chancellor: MICHAEL GRANT, C.B.E., M.A., LITT.D., F.S.A.
Secretary: GEORGE R. COWIE, M.A., LL.B., J.P.
Bursar: GEORGE DESMOND BURLAND, B.A., B.COMM., A.C.A.

Number of teachers: 460 including 52 professors.
Number of students (1962-63): 4,225.

DEANS:

Faculty of Arts: Prof. G. SETH, M.A., B.ED., PH.D., F.B.PS.S.
Faculty of Science: Prof. D. A. BATES, M.SC., D.SC., M.R.I.A., F.R.S.
Faculty of Law: Prof. F. H. NEWARK, C.B.E., B.C.L., M.A.
Faculty of Medicine: Prof. JOHN HENRY BIGGART, C.B.E., D.SC., M.D., F.R.C.P.
Faculty of Economics: Prof. J. H. WARRENDER, M.A.
Faculty of Applied Science and Technology: Prof. A. V. STEPHENS, M.A., F.R.AE.S.
Faculty of Theology: Prof. M. J. BOYD, M.A.
Faculty of Agriculture: Prof. JAMES MORRISON, B.SC., N.D.A.

PROFESSORS;

Faculty of Arts:
BATES, DAVID R., M.SC., D.SC., M.R.I.A., F.R.S. (Applied Mathematics).
BECKETT, JAMES C., M.A., M.R.I.A. (Irish History).
BLACK, ROBERT D. C., B.COMM., M.A., PH.D. (Economics).
BOYD, MAURICE J., M.A. (Latin).
BUTTER, PETER H., M.A. (English).
CRANMER, PHILIP, M.A., B.MUS., F.R.C.O. (Music).
DALGARNO, ALEXANDER, B.SC., PH.D. (Quantum Mechanics).
EVANS, EMYR ESTYN, M.A., D.SC., M.I.R.A. (Geography).
GALLIE, WALTER B., M.A., B.LITT. (Logic and Metaphysics).
GIBSON, ROBERT D. D., B.A., PH.D. (French).
HINDERKS, HERMANN E., M.A., D.PHIL. (German).
HUXLEY, GEORGE L., M.A. (Greek).
JOPE, EDWARD M., M.A., B.SC., F.S.A. (Archæology).
KNOX, HENRY M., M.A., B.ED., PH.D. (Education).
PARKINSON, JOHN R., B.COM. (Applied Economics).
ROBERTS, M., M.A., D.PHIL., FIL.DR., F.B.A. (Modern History).
SETH, GEORGE, M.A., B.ED., PH.D., F.B.PS.S. (Psychology).
TERRY, ARTHUR H., M.A. (Spanish).
VERBLUNSKY, SAMUEL, B.A., PH.D. (Mathematics).
WAGNER, HEINRICH H., D.PHIL. (Celtic).
WARRENDER, JAMES H., M.A. (Political Science).

Faculty of Science:
BATES, DAVID R., M.SC., D.SC., M.R.I.A., F.R.S. (Applied Mathematics).
BIGGART, JOHN HENRY, C.B.E., D.SC., M.D., F.R.C.P. (Pathology).
CARR, D. J., M.SC., PH.D. (Botany).
DALGARNO, ALEXANDER, B.SC., PH.D. (Quantum Mechanics).
DICK, GEORGE W. A., M.D., F.R.C.P.(EDIN.), M.R.C.P. (LOND.), M.P.H., D.SC. (Microbiology).
EMELEUS, KARL G., M.A., PH.D., SC.D., M.R.I.A. (Physics).
EVANS, EMYR ESTYN, M.A., D.SC., M.R.I.A. (Geography).
GREENFIELD, A. D. M., D.SC., M.B., B.S., M.R.C.S., L.R.C.P. (Physiology).
GRESSON, R. A. R., PH.D., D.SC., F.R.S.E., M.R.I.A. (Zoology).
HARRISON, DOUGLAS C., PH.D., D.SC., A.R.I.C. (Biochemistry).
HENBEST, HAROLD B., B.SC., PH.D., .D.I.C., A.R.C.S., D.SC., F.R.I.C. (Organic Chemistry).
JOPE, EDWARD M., M.A., B.SC., F.S.A. (Archæology).
KEMBALL, CHARLES, PH.D., M.A., F.R.I.C. (Physical Chemistry).
PRITCHARD, JOHN J., B.SC., M.R.C.S., L.R.C.P., M.A., B.CH., D.M. (Anatomy).
SETH, G., M.A., PH.D., B.ED., F.B.PS.S. (Psychology).
VERBLUNSKY, S., B.A., PH.D. (Mathematics).
WILLIAMS, ALWYN, PH.D., B.SC., F.G.S., M.R.I.A., (Geology).
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I., (Analytical Chemistry).

Faculty of Law:
MONTROSE, JAMES L., LL.B., LL.D. (Law).
NEWARK, FRANCIS H., C.B.E., B.C.L., M.A. (Jurisprudence).
SHERIDAN, LIONEL A., LL.B., PH.D. (Comparative Law).

Faculty of Medicine:
BIGGART, JOHN HENRY, C.B.E., D.SC., M.D., F.R.C.P. (Pathology).
BULL, GRAHAM M., M.D., F.R.C.P. (Medicine).
CARR, D. J., M.SC., PH.D. (Botany).
CARRÉ, I. J., M.A., M.D., M.R.C.P., D.C.H. (Child Health).
CHEESEMAN, ERIC A., B.SC.(ECON.), PH.D. (Medical Statistics).
DICK, GEORGE W. A., M.D., M.R.C.P., M.P.H., D.SC., F.R.C.P. (EDIN.) (Microbiology).
EMELEUS, KARL G., M.A., PH.D., SC.D., M.R.I.A. (Physics).
GIBSON, JOHN G., M.D., M.R.C.P., D.P.M. (Mental Health).
GREENFIELD, A. D. M., D.SC., M.B., B.S., M.R.C.S., L.R.C.P. (Physiology).
GRESSON, R. A. R., B.SC., PH.D., D.SC., F.R.S.E., M.R.I.A. (Zoology).
HARRISON, DOUGLAS C., PH.D., A.R.I.C., D.SC. (Biochemistry).
HENBEST, HAROLD B., B.SC., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C., (Organic Chemistry).
KEMBALL, CHARLES, SC.D., F.R.I.C., M.A. (Physical Chemistry).
PEMBERTON, JOHN. M.D., M.R.C.P.(LOND.), D.P.H. (Social and Preventive Medicine).
PINKERTON, JOHN H. McK., M.D., F.R.C.O.G. (Midwifery and Gynæcology).
PRITCHARD, JOHN J., B.SC., M.R.C.S., L.R.C.P., M.A., B.M., B.CH., D.M. (Anatomy).
RODGERS, HAROLD W., O.B.E., F.R.C.S. (Surgery).
STOY, PHILIP J., B.D.S., F.D.S.R.C.S. (Dentistry).
WADE, OWEN L., M.A., M.D., M.R.C.P. (Therapeutics and Pharmacology).
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I. (Inorganic and Analytical Chemistry).

Faculty of Economics:
BLACK, ROBERT D. C., B.COMM., M.A., PH.D. (Economics).
EVANS, EMYR ESTYN, M.A., D.SC., M.R.I.A. (Geography).
GALLIE, WALTER B., M.A., B.LITT. (Logic and Metaphysics).
PARKINSON, JOHN R., B.COM. (Applied Economics).
SETH, GEORGE, M.A., B.ED., PH.D., F.B.PS.S. (Psychology).
VERBLUNSKY, SAMUEL, B.A., PH.D. (Mathematics).
WARRENDER, JAMES H., M.A. (Political Science).

Faculty of Applied Science and Technology:
ALLEN, T. P., M.SC., M.I.E.E., S.M.I.R.E., (Light Electrical Engineering).
BATES, DAVID R., M.SC., D.SC., M.R.I.A., F.R.S. (Applied Mathematics).
CARR, DENIS J., M.SC., PH.D. (Botany).
CHARLTON, THOMAS M., B.SC., M.A., A.M.I.MECH.E. (Civil Engineering).
CROSSLAND, BERNARD, PH.D., D.SC., M.I.MECH.E., A.F.R.AE.S. (Mechanical Engineering).
DALGARNO, ALEXANDER, B.SC., PH.D. (Quantum Mechanics).
EMELEUS, KARL G., M.A., PH.D., SC.D., M.R.I.A. (Physics).
GRESSON, RICHARD A. R., B.SC., PH.D., D.SC., F.R.S.E., M.R.I.A. (Zoology).
HENBEST, HAROLD B., B.SC., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C. (Organic Chemistry).
KEMBALL, CHARLES, M.A., SC.D., F.R.I.C. (Physical Chemistry).
STEPHENS, ARTHUR V., M.A., F.R.AE.S. (Aeronautical Engineering).
VERBLUNSKY, SAMUEL, B.A., PH.D. (Pure Mathematics).
WEST, JOHN C., PH.D., D.SC., M.I.E.E., A.M.A.I.E.E. (Electrical Engineering).
WILLIAMS, ALWYN, B.SC., PH.D., F.G.S., M.R.I.A. (Geology).
WILSON, CECIL L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I. (Inorganic and Analytical Chemistry).

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Faculty of Agriculture:

CARR, DENIS J., M.SC., PH.D. (Botany).
CHARLTON, THOMAS M., B.SC., M.A., A.M.I.MECH.E. (Civil Engineering).
EMELEUS, KARL G., M.A., PH.D., SC.D., M.R.I.A. (Physics).
GRESSON, RICHARD A. R., B.SC., PH.D., D.SC., F.R.S.E., M.R.I.A. (Zoology).
HENBEST, HAROLD B., B.SC., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C. (Organic Chemistry).
HOUSTON, JOHN, D.SC., F.R.I.C. (Agricultural Chemistry).
KEMBALL, CHARLES, M.A., SC.D., F.R.I.C. (Physical Chemistry).
LAMONT, HUBERT G., O.B.E., D.SC., M.R.C.V.S. (Comparative Pathology).
LINEHAN, PATRICK A., D.SC., M.AGR., A.R.C.SC.I. (Agricultural Botany).
MORRISON, JAMES, B.SC., N.D.A. (Crop and Animal Husbandry).
MUSKETT, ARTHUR E., O.B.E., D.SC., A.R.C.S., M.I.BIOL., M.R.I.A. (Agricultural Plant Pathology).
WILLIAMS, ALWYN, B.SC., PH.D., F.G.S., M.R.I.A. (Geology).
WILSON, CECIL L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I. (Inorganic Analytical Chemistry).

Faculty of Theology:

BOYD, MAURICE J., M.A. (Latin).
GALLIE, WALTER B., M.A., B.LITT. (Logic and Metaphysics).
HUXLEY, GEORGE L., M.A. (Greek).

MAGEE UNIVERSITY COLLEGE

LONDONDERRY

Telephone: Londonderry 2145

Opened in 1865. During the existence of the Royal University of Ireland (1879-1908) the college was one of the five recognised institutions composing that university. Since 1909 it has been connected with the University of Dublin. and since 1951 it has also been a Recognised College of the Queen's University of Belfast.

President: Prof. W. G. GUTHRIE, M.A., PH.D., F.R.A.S.
Vice-President: Prof. A. J. WARNER, M.A., PH.D.
Secretary of Faculty: F. G. HEALEY, M.A., PH.D.
Bursar: Prof. J. L. MCCRACKEN, M.A., PH.D.

Number of teachers: 28, including 5 professors.
Number of students: 250 full-time, 164 part-time.

HEADS OF DEPARTMENTS:

EDWARDS, BARBARA., B.A. (Spanish).
EDWARDS, OLIVER H., M.A., D.PHIL. (German).
GARMANY, JOHN W., M.A., B.LITT. (Economics).
GUTHRIE, WILLIAM G., M.A., PH.D., F.R.S.E., F.R.A.S. (Mathematics and Natural Philosophy).
HEALEY, FRANK G., M.A., PH.D. (French).
LELIÈVRE, FRANK J., M.A. (Greek and Latin).
MCCOURT, DESMOND, M.A., PH.D. (Geography).
MCCRACKEN, JOHN LESLIE, M.A., PH.D. (History).
WARNER, ALAN J., M.A., PH.D. (English).
(Vacant—Mental and Moral Philosophy).

THE PRESBYTERIAN COLLEGE

BELFAST

Founded 1847. Also known as Assembly's College, the Faculty of which, with the Theological Professors in Magee Theological College, Londonderry, the other College of the Presbyterian Church in Ireland, constitutes the Presbyterian Theological Faculty, Ireland, and grants the theological degrees of B.D. and D.D. It is situated in close proximity to Queen's University. This institution is for the training of students for the Ministry of the Presbyterian Church.

Principal: Very Rev. Principal R. J. WILSON, M.A., D.D.
Vice-Principal and Secretary: Rev. Prof. J. L. M. HAIRE, M.A., M.TH., D.D.
Warden: Rev. Prof. J. M. BARKLEY, M.A., PH.D.
Librarian: Mrs. MARTIN.

Library: 20,000 vols.
Number of teachers: 7, including 4 professors.
Number of students: 30 men.

PROFESSORS:

BARKLEY, Rev. J. M., M.A., PH.D., D.D. (Church History, Symbolics).
BOYD, Rev. JAMES R., B.A., B.D. (Practical Work).
HAIRE, Rev. J. L. M., M.A., B.D., M.TH., D.D. (Systematic Theology and Apologetics).
RUSSELL, Rev. E. A., M.A., B.D., M.TH. (New Testament Language, Literature and Theology).
WILSON, Very Rev. R. J., M.A., B.D. (Old Testament Language, Literature and Theology).

THE COLLEGE OF TECHNOLOGY

BELFAST

Erected by the Council of the County Borough of Belfast, under the control of the Education Committee. Founded 1901. Opened in 1907.

Principal: D. H. ALEXANDER, O.B.E., M.SC., M.I.MECH.E.
Vice-Principal: J. F. GILLIES, O.B.E., PH.D., M.I.E.E.
Registrar: (Vacant).

PROFESSORS:

ALLEN, T. P., M.SC., M.I.E.E., S.M.I.R.E. (Electrical Engineering—Light).
CROSSLAND, B., PH.D., A.M.I.MECH.E., A.F.R.AE.S. (Mechanical Engineering).
WEST, J. C., D.SC., PH.D., A.M.I.E.E. (Electrical Engineering—Heavy).

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GREAT BRITAIN
OVERSEAS TERRITORIES

ADEN

LEARNED SOCIETIES

British Council The: 1 Front Bay, Crater; Rep. W. E. N. KENSDALE.

Aden Association of Arts: Aden; sections on Arts, Music, History and Archaeology.

BERMUDA

LEARNED SOCIETIES

The Bermuda Society of Arts: Art Gallery, City Hall, Hamilton; f. 1946; 260 mems.; Pres. GILBERT COOPER, M.C.P.; Sec. Dr. GABRIELE HUMBERT PARKER; Treas. NAT SIMPKINS; Curator CHRISTIAN A. LAELY.

Bermuda Historical Monuments Trust: Hamilton, a government body in charge of colonial archives and concerned with the preservation of historical buildings, etc.; Chair. Dr. HY. C. WILKINSON, C.B.E.; Archivist H. G. MIDDLETON, M.B.E., B.SC.

Bermuda Historical Society: Par-la-Ville, Hamilton; 172 mems.; Pres. O. D. DARRELL; Hon. Sec. W. S. ZUILL; assists publ. of *Bermuda Historical Quarterly*.

Bermuda Technical Society: c/o B.E.L. Co., Hamilton; Secretary DOUGLAS S. BREWER, c/o B.E.L. Co.

Royal Commonwealth Society, Bermuda Branch: P.O. Box 516, Hamilton; Hon. Sec.-Treas. JOHN GILBERT.

St. George's Historical Society: St. George; 115 mems.; Pres. F. ROBERTS; Sec. E. LARRY.

RESEARCH INSTITUTES

Bermuda Agricultural Experimental Station: Paget East, Hamilton; f. 1898; Dir. G. R. GROVES, A.H.R.H.S.; Staff: I. W. HUGHES, M.SC.(AGRIC.) (Asst. Dir.), R. B. T. STEELE, M.R.C.V.S. (Acting Veterinary Officer), E. A. MANUEL, B.SC.(AGRIC.), D.I.C. (Plant Pathologist), J. H. JONES (Horticulturalist), D. J. MOORE (Supt. Botanical Gardens), F. C. HOLLIS (Agricultural Officer), E. E. SHEPPARD (Marketing Officer); publs. *Annual Report*, occasional special reports.

Bermuda Biological Station: St. George's West; f. 1903; the station is working on marine biology and oceanography; Chancellor H.E. The GOVERNOR; Pres Dr ALFRED C REDFIELD; Dir. W. H. SUTCLIFFE, Jr.; publ. *Contributions of the Bermuda Biological Station*.

LIBRARIES AND MUSEUMS

Bermuda Archives: Par-la-Ville, Hamilton; Archivist: H.G. MIDDLETON, M.B.E., B.SC.

Bermuda Library: Hamilton; f. 1839; consists of reference and circulating departments and serves schools throughout Bermuda; 40,000 vols.; Librarian Miss A. E. GOSLING, M.B.E.; branch library in St. George's.

Government Aquarium and Natural History Museum: Hamilton; live zoological collection, local natural history and other exhibits; Curator LOUIS MOWBRAY.

Henry Tucker House: Hamilton; under the management of the Bermuda Historical Monuments Trust.

BRUNEI

COLLEGES

Teachers' Training College: Brunei Town; f. 1956; 35 students.

Adult Education Centres: Brunei Town, Kuala Beilat and Seria.

EAST AFRICA

REGIONAL

(KENYA, TANGANYIKA, UGANDA AND ZANZIBAR)

LEARNED SOCIETIES

British Institute of History and Archaeology in East Africa: P.O.B. 1219, Dar es Salaam; f. 1960; research into the history and archaeology of Eastern Africa, for which a number of studentships are offered; Chair. L. P. KIRWAN, C.M.G.; Treas. Sir GEORGE BERESFORD-STOOKE; Dir. NEVILLE CHITTICK.

East Africa Natural History Society: P.O. Box 4486, Nairobi; f. 1909; 450 mems.; Pres. L. H. BROWN; publ. *Journal of the East African Natural History Society and the Coryndon Museum*.

East African Literature Bureau: P.O. Box 30022, Nairobi, Kenya; f. 1948; planning and publishing text-books for schools, supplementary school reading and adult literacy materials and general literature for adults; tutoring African authors; publishing magazines; establishing and maintaining book-box and postal library services; Dir. S. W. HOCKEY, O.B.E., F.L.A.

East African Swahili Committee: Office and Library, University College, Dar-es-Salaam, Tanganyika; carries out research; promotes the standardisation of orthography and the development of the language generally; Sec. Dr. J. KNAPPERT who is responsible for the new Swahili Dictionary; publs. *Swahili* (bi-annual), *Supplements*, *Johari* (literary treasures).

East African Wild Life Society: P.O.B. 20110, Nairobi, Kenya, maintains interest in wild life and its conservation; publ. *Wild Life*, quarterly.

RESEARCH INSTITUTES

East African Common Services Organisation (formerly The East Africa High Commission): P.O. Box 30005, Nairobi, Kenya; f. December 1961; Sec.-Gen. A. L.

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ADU; Tanganyika, Uganda and Kenya participate on an equal partnership basis; the services of the Organisation can be made to Zanzibar on an agency basis if required. Responsibility for the Organisation rests with the:

East African Common Services Authority: composed of the principal Ministers of the three territories, supported by four groups each of three ministers, one from each territory, one dealing with communications, one with finance, one with commercial and industrial co-ordination and one with research services.

The East African Common Services Organisation administers the following research services:

East African Institute of Malaria and Vector-borne Diseases: Amani, Tanga, Tanganyika; f. 1949; investigation into human vector-borne diseases, especially malaria and bilharzia; Dir. Dr. G. PRINGLE.

East African Institute for Medical Research: P.O. Box 162, Mwanza, Tanganyika; f. 1949; investigations into various tropical diseases and nutritional problems in East Africa; Dir. Dr. P. JORDAN; publ. *Annual Report.*

East African Virus Research Institute: P.O. Box 49, Entebbe, Uganda; f. 1949; investigation into the properties, relationships and epidemiology of yellow fever and other arthropod-borne viruses; Dir. Dr. A. J. HADDOW, C.M.G.

East African Leprosy Research Centre (The John Lowe Memorial): P.O. Box 1044, Busia, Uganda; Dir. Dr. C. M. ROSS, O.B.E.

East African Agriculture and Forestry Research Organisation: P.O. Box 21, Kikuyu, Kenya; f. 1948; planning of research; soil science; plant physiology, plant genetics and breeding; forestry and forest entomology; systematic botany; animal industry; library of 20,000 vols.; Dir. Dr. E. W. RUSSELL, C.M.G.; Deputy Dir. Dr. W. J. A. PAYNE; publs. *Annual Report,* and edits *East African Agriculture Journal.*

East African Freshwater Fishery Research Organisation: P.O. Box 343, Jinja, Uganda; f. 1948; hydrobiological and fisheries research; library of 500 vols.; Dir. P. B. N. JACKSON; publ. *Annual Report.*

East African Industrial Research Organisation: P.O. Box 1587, Nairobi, Kenya; f. 1942; industrial research; Dir. Dr. M. G. EDWARDS.

East African Marine Fisheries Research Organisation: P.O. Box 668, Zanzibar; f. 1950; research into fishing methods and the migration, feeding and breeding habits of fish of the East African coast; 3 mems.; Dir. D. N. F. HALL.

East African Meteorological Department: P.O. Box 30259, Nairobi, Kenya; provides weather information from the Central Forecast Office; Regional Rep. in Dar-es-Salaam; research on artificial stimulation of rain; Dir. B. W. THOMPSON.

East African Statistical Department: P.O. Box 30462, Nairobi, Kenya; library 10,000 vols.; Dir. A. G. CARTER.

East African Veterinary Research Organisation: P.O. Box 32, Kikuyu, Kenya; f. 1948; preparation and issue of biological products and research into animal health and animal diseases; Dir. H. R. BINNS, C.M.G., O.B.E.

East African Trypanosomiasis Research Organisation: P.O. Box 2141, Nairobi, Kenya; f. 1949; tsetse and trypanosomiasis research and reclamation (human and animal); Dir. Dr. W. H. R. LUMSDEN; publ. *Annual Report.*

Tropical Pesticides Research Institute: P.O. Box 3024, Arusha, Tanganyika; f. 1962; research into tropical pests, including medical and veterinary carriers of disease, insect pests and weeds in agricultural crops; Dir. K. S. HOCKING.

Desert Locust Control Organisation for Eastern Africa: P.O. Box 30023, Nairobi, Kenya; f. 1962 as successor to the Desert Locust Survey; governed by an International Council composed of representatives of Kenya, Tanganyika, Uganda, Ethiopia and the Somali Republic; to control the desert locust national unit, under the aegis of the Common Services Organisation; Dir. R. J. V. JOYCE.

East African Institute of Social Research: Makerere College, P.O. Box 16022, Kampala, Uganda; f. 1950; objects: social and economic research in East Africa (anthropology, urban surveys, economics, psychology); Acting Chair. Dr. D. J. STENNING; Admin. Sec. S. B. MUSOKE; publs. *E. A. Studies, E. A. Linguistic Studies* (occasional), monographs.

Interafrican Bureau for Animal Health: Muguga, P.O. Kikuyu; Dir. W. G. BEATON, C.B.E., M.R.C.V.S., D.T.V.M.

Tea Research Institute of East Africa: P.O. Box 91, Kericho, Kenya; tropical agriculture, with special emphasis on tea cultivation and manufacture; library.

LIBRARIES

East African Agriculture and Forest Research Organisation Library: P.O. Box 21, Kikuyu, Kenya; approx. 20,000 vols.; Dir. Sir BERNARD A. KEEN, D.SC., F.INST.P., F.R.S.; Research Librarian L. D. VERDCOURT, A.L.A.; publ. *Annual Report.*

East African Literature Bureau Library: P.O. Box 30022, Nairobi, Kenya; f. 1948; general stock 55,000 vols.; maintains book-box libraries in Kenya, Tanganyika, Uganda, and Zanzibar and a postal library service.

East African Agriculture and Forestry Organisation Library: P.O. Box 21, Kikuyu; 20,000 vols.; Librarian Mrs. L. D. VERCOURT, A.L.A.

McMillan Memorial Library and E.A. (Carnegie) Circulating Library: P.O. Box 791, Nairobi; f. 1931; number of vols.: Carnegie Circulating Libraries 80,000, McMillan Memorial Reference Library 9,000; Chief Librarian G. D. HAZELDINE; under control of Nairobi City Council.

UNIVERSITY OF EAST AFRICA

P.O. BOX 44, ENTEBBE, UGANDA

Established June 1963, incorporating Makerere College, Kampala, Uganda, The Royal College, Nairobi, Kenya, and University College, Dar es Salaam, Tanganyika.

Chancellor: Dr. JULIUS NYERERE, M.A., LL.D.
Vice-Chancellor: Sir BERNARD DE BUNSEN, C.M.G., M.A.
Registrar: L. M. YOUNG, M.A., PH.D.
For full details, *see* chapters on Kenya, Tanganyika and Uganda.

East Africa Conservatoire of Music: P.O. Box 1343, Nairobi, Kenya; Dir. NAT KOFSKY.

Muslim Academy: Zanzibar; centre for the study of Islam in East Africa.

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ZANZIBAR

Zanzibar Government Archives: P.O. Box 116, Zanzibar; history and administration; 2,000 vols.; Librarian C. H. THOMPSON, F.L.A.

Museum Library: P.O. Box 116, Zanzibar; free public lending service.

Zanzibar Government Museum: P.O. Box 116, Zanzibar; local collection, items relating to exploration in East Africa; library.

FIJI (WESTERN PACIFIC)

LEARNED SOCIETIES

British Council, The: Fiji Trading Company Buildings, P.O. Box 56, Suva; Rep. J. T. HARRISON; library of 10,000 vols.

Fiji Society, The: Suva; f. 1907; is concerned with subjects of historic, scientific and antiquarian interest to Fiji.

LIBRARIES AND MUSEUMS

Carnegie Library: Suva; public lending library; 14,000 vols.

Lautoka Public Library: Lautoka, Viti Levu; f. 1963.

Ramkrishna Library: Nandi; f. 1927; books, periodicals, braille literature, gramophone records, films, film strips, micro-films; Librarian D. KRISHNAMURTI.

Fiji Museum: Suva; contains photographic and ethnological collections relating to Fiji, the Solomon Islands, and other islands of the South-West Pacific.

COLLEGES

Central Medical School: Suva (new medical school at Tamavua); f. 1888, reorganised 1928; Principal Dr. A. R. EDMONDS; number of students (1961) 134. Five-year courses are provided in medicine, with shorter courses in dentistry, health, pharmacy and radiography. Over a quarter of the students come from Fiji, and the rest from neighbouring islands.

Nasinu Teacher Training College: Suva.

GAMBIA

RESEARCH INSTITUTES

Medical Research Council Laboratories: Fajara and Keneba; financed jointly by Medical Research Council of Great Britain and the Department of Technical Co-operation; engaged in study of diseases.

Trachoma Research Unit: M.R.C. Laboratories, Fajara, Nr. Bathurst, Gambia.

GIBRALTAR

LEARNED SOCIETIES

Archaeological Society of Gibraltar: f. 1956; 60 mems.

Calpe Institute, The: 277 Main Street; f. 1944; Centre to foster cultural, educational and recreational facilities in Gibraltar; there is also a lending library with some 5,000 vols.; Pres. H.E. THE GOVERNOR; Dir. E. A. C. HUNT.

LIBRARIES AND MUSEUM

Gibraltar Garrison Library: f. 1793; extensive reference section, 38,000 vols.; Sec. E. F. E. RYAN.

Calpe Institute Library: 277 Main Street; lending library with 5,000 vols.

Gibraltar Museum: Ordnance House, Bomb House Lane; founded 1930; controlled by a Committee of Management appointed by the Governor, houses an important collection of local palaeolithic remains; Curator M. McEWEN.

HONG KONG

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: Gloucester Building, Hong Kong; library of 11,000 vols.; Rep. R. E. LAWRY; Kowloon; 317-321 Nathan Road; library of 5,500 vols.; Dir. G. RICHARDS.

Hong Kong Council for Education Research: f. 1961; to study problems of Hong Kongs' educational needs.

Institute of Higher Studies: New Asia College, Farm Road, Kowloon; library contains microfilm set of 2,720 rare Chinese books held in the Library of Congress, Washington, D.C., U.S.A.

Institute of Oriental Studies: attached to the Dept. of Chinese, Hong Kong University; Dir. F. S. DRAKE, O.B.E., B.A., B.D., DIP.ED., DIP.GEO.(LOND.); Asst. Curator M. LAU, B.A., DIP.ED., M.A.; Principal of Language School M. MA., B.A.

Mencius Educational Foundation: 172/174 Boundary Street, Kowloon; incorporates Mencius Research Centre, Research Assistant D. TING, B.A.; Mencius Hostel, Warden T. H. MA; Mencius Library, 90,000 vols.; Librarian B. W. WONG, M.SC., M.A.; Chair. of Foundation F. K. PAN, PH.D.; Exec. Sec. H. CHENG, B.A.

Royal Observatory: Hong Kong; f. 1884; library of 4,000 vols.; Dir. Dr. I. E. M. WATTS; publs. *Meteorological Results* (annually), *Seismological Bulletin* (monthly), *Occasional Memoirs and Technical Notes*.

LIBRARIES

British Council Libraries: Hong Kong; 11,000 vols.; Kowloon, 5,500 vols.

City Hall Library: Victoria; adult lending library for Chinese and Europeans, a children's library; a commercial library; and a reference library.

Chung Chi College Library: New Territories; 50,483 vols. in Oriental languages, 19,568 vols. in Western languages, 234 periodicals.

Hok Hoi Library: f. 1923; private library; 34,000 vols. Chinese books.

Hong Kong Junior Chamber of Commerce Libraries: twenty-three branch libraries for children.

Mencius Library: 172 Boundary Street, Kowloon; 90,000 vols.

Institute of Higher Studies Library: New Asia College, Farm Road, Kowloon; microfilms of 2,720 rare Chinese books held in the Library of Congress, Washington, D.C., U.S.A.

University of Hong Kong Library: f. 1911; contains about 126,000 vols. in Western languages, including the Hankow and Morrison collections; over 1,400 current

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periodicals; Librarian H. A. RYDINGS, M.B.E., M.A., A.L.A.; Dep. Librarian G. W. BONSALL, M.A.

Füng Ping Shan Library: in the same building; about 124,000 vols. in Chinese and other oriental languages.

UNIVERSITY AND COLLEGES

UNIVERSITY OF HONG KONG

HONG KONG

Founded 1912.

Chancellor: H.E. THE GOVERNOR OF HONG KONG.
Vice-Chancellor: L. T. RIDE, C.B.E., M.A., D.M., B.CH., LL.D., M.R.C.S., L.R.C.P.
Registrar: B. MELLOR, M.A., DIP.ED., A.L.C.M.
Librarian: H. A. RYDINGS, M.B.E., M.A., A.L.A.

Number of teaching staff: 246 full-time, including 21 professors, and 59 part-time staff.

Number of students (Oct. 1961): 1,600.

DEANS:

Faculty of Arts: B. HARRISON, M.A.
Faculty of Science: I. W. B. THORNTON, B.SC., PH.D.
Faculty of Medicine: F. E. STOCK, O.B.E., M.B., B.S., F.R.C.S., F.A.C.S.
Faculty of Engineering and Architecture: S. MACKEY, B.E., PH.D., A.M.I.C.E., M.I.STRUCT.E., F.G.S.

PROFESSORS:

BLUNDEN, EDMUND C., C.B.E., M.A., F.R.S.L. (English).
CHANG, K. S. F., M.SC., PH.D. (Anatomy).
CHENG, K. K., M.B.B.S., PH.D. (Physiology).
CHESTERMAN, W. D., D.SC., F.INST.P., F.R.P.S. (Physics).
CHUN, Miss D. W., O.B.E., M.B., B.S., F.R.C.S., F.R.C.O.G. (Obstetrics and Gynæcology).
DAVIS, S. G., M.SC., PH.D., F.G.S. (Geography).
DRAKE, F. S., O.B.E., B.A., B.D., DIP.ED., DIP.GEO. (Chinese Studies).
FIELD, Miss C. E., M.D., F.R.C.P. (Pædiatrics).
GREGORY, W. G., B.ARCH., A.R.I.B.A. (Architecture).
HARRISON, B., M.A. (History).
HENDERSON, N. K., B.A., M.ED., PH.D.
HODGSON, A. R., M.B., CH.B., F.R.C.S., F.A.C.S. (Orthopædic Surgery).
KIRBY, E. S., B.SC., PH.D., F.R.ECON.S. (Economics and Political Science).
KIRK, R., O.B.E., B.SC., M.D., F.R.C.P., F.R.F.P.S., F.R.S.(EDIN.) (Pathology).
MACKEY, S., M.E., B.SC., PH.D., A.M.I.C.E., M.I.STRUCT.E., F.G.S. (Civil Engineering).
MCFADZEAN, A. J. S., M.D., CH.B., F.R.C.P. (Medicine).
MILLAR, J., B.SC., PH.D. (Chemistry).
STENTON, H., B.A., PH.D. (Botany).
STOCK, F. E., O.B.E., M.B., B.S., F.R.C.S., F.A.C.S. (Surgery).
TENG, P. H., O.B.E., M.B.B.S., D.P.H. (Preventive Medicine).
WALSH, E. O'FARRELL, B.SC., PH.D., F.P.S. (Biochemistry).
WONG, Y. C., PH.D., D.SC. (Mathematics).

Chinese University: the Hong Kong Government proposes to set up a second university in the near future, with teaching in Chinese. The university would incorporate Chung Chi College, New Asia College, and the United College of Hong Kong (*see below*).

Chung Chi College: Ma Liu Shui, New Territories; f. 1951 by Protestant Churches and Missions in Hong Kong; now receives aid from Hong Kong Government; course in Arts, Science and Business Administration.

President: C. T. YUNG, PH.D., LL.D.

Number of teachers: 92 (74 full-time).
Number of students: 300 men, 233 women, total 533.

DEANS:

Faculty of Arts: C. S. TSANG, PH.D.
Faculty of Science: H. M. CHANG, PH.D.

New Asia College; Farm Road, Kowloon; f. 1950; Chinese; President Dr. CHIEN MU; 500 students.

United College of Hong Kong: Hong Kong; will form part of the new Federal Chinese University; Chair. Hon. FUNG PING-FAN, O.B.E., K.ST.J., J.P.; Pres. T. C. CHENG, B.A. M.A. DIP.ED. J.P.

Eurasia Institute of Technology: 22–36 Wai Ching Street, Jordan Pier, Kowloon.

Hong Kong Technical College: Hunghom, Kowloon, Hong Kong; Principal S. J. G. BURT, O.B.E., A.M.I.E.E., M.BRIT.I.R.E. Courses in Accountancy, Building, Business Management, Commerce, Dyeing and Finishing, Industrial Chemistry, Mathematics, Marine Engineering, Mechanical Engineering, Naval Architecture, Navigation, Physics, Production Engineering, Telecommunications and Electrical Engineering, Structural Engineering, Textiles; 800 day students, 8,000 evening students.

Northcote Training College: Hong Kong; f. 1939; teacher training for 400 students.

MALTA

LEARNED SOCIETIES

Agrarian Society: Valletta.

British Council, The: Queen Adelaide Square, Valletta; Rep. P. R. V. DEED.

Chamber of Architects; 219 Kingsway, Valletta.

Malta Cultural Institute: Floriana.

Malta Society of Arts, Manufactures & Commerce: 219 Kingsway, Valletta.

LIBRARIES AND MUSEUMS

Gozo Public Library: Vajringa Street, Victoria, Gozo; f. 1853, amalgamated with the Royal Malta Library 1948; 30,000 vols.; Librarian PAUL M. CASSAR.

Royal Malta Library: Valletta; f. 1555; Librarian VINCENT A. DEPASQUALE.

Royal University Library: Valletta; 50,000 vols.; Librarian (Vacant); Chief Asst. Librarian J. A. MONTALTO.

There are 45 circulating libraries (32 in Malta, 13 in Gozo) throughout the islands.

Museum of Roman Antiquities and Roman Villa: Rabat.

National Museum of Malta: Valletta; f. 1905; Dir. Capt. CHARLES ZAMMIT, F.S.A.; Curator Fine Arts JOHN CAUCHI, LL.D.; Curator Archaeology DAVID TRUMP, M.A., PH.D., F.S.A.

ROYAL UNIVERSITY OF MALTA

ST. PAUL STREET, VALLETTA

Telephone: Central 24066, 21201

Founded by Pope Clement VIII in 1592; raised to University status by decree of Grand Master Pinto in 1769.

Chancellor: H.E. THE GOVERNOR.
Vice-Chancellor and Rector Magnificus: Dr. J. A. MANCHÉ, C.B.E., LL.D., M.D., B.SC.
Registrar: L. M. PACE, B.SC.(ECON.).
Bursar: P. GALEA CURMI.
Chief Registry Clerk: L. ELLUL.
Chief Finance Clerk: E. E. CAMILLERI.

Number of teaching staff: 75, including 30 professors.
Number of students: 365.

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DEANS:

Faculty of Arts: Prof. JOSEPH AQUILINA.
Faculty of Science: Prof. E. J. BORG-COSTANZI.
Faculty of Dental Surgery: Prof. J. J. MANGION.
Faculty of Engineering and Architecture: Prof. J. COLOMBO.
Faculty of Medicine: Prof. G. P. XUEREB.
Faculty of Laws: Prof. F. CREMONA.
Faculty of Theology: Rev. Prof. SERAPHIM M. ZARB.

PROFESSORS:

Faculty of Arts:
AQUILINA, JOSEPH (Maltese and Oriental Languages).
BECK, RICHARD J. (English).
BORG-COSTANZI, EDWIN J. (Mathematics).
COLEIRO, EDWARD (Latin Literature).
DI PIETRO, ANTONIO (Italian).
SAPIANO, JOSEPH (Philosophy).
SEASTON, GERALD J. (Greek).
VELLA, ANDREW (History).

Faculty of Science:
BORG COSTANZI, EDWIN J. (Mathematics).
EDWARDS, W. G. H. (Chemistry).
LEWIS, PETER (Physics).
THOMAS, O. L. (Biology).

Faculty of Dental Surgery:
MANGION, J. J. (Dental Surgery).

Faculty of Engineering and Architecture:
COLOMBO, JOSEPH (Architecture).

Faculty of Medicine:
COLEIRO, CARMELO (Hygiene).
CRAIG, ALFRED (Surgery).
GANADO, WALTER (Physiology and Biochemistry).
GRIFFITHS, VICTOR G. (Anatomy).
XUEREB, GEORGE P. (Pathology).
ZAMMIT MAEMPEL, JOSEPH V. (Pharmacology and Therapeutics).

Faculty of Laws:
BUSUTTIL, EDWIN (Public Law).
CREMONA, FELIX (Commercial and Maritime Law).
CREMONA J. (Criminal Law).
GANADO, JOSEPH M. (Civil Law).

Faculty of Theology:
BONNICI, ARTHUR (Church History and Christian Archæology).
MUSCAT, CARMELO (Moral Theology).
SAPIANO, JOSEPH (Philosophy).
ZARB, SERAPHIM M. (Fundamental and Dogmatic Theology).

Malta College of Arts, Science and Technology: Valletta; f. 1961; Principal C. M. FOCKEN, B.M.E., M.SC., D.PHIL., F.INST.P.

MAURITIUS

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: Rose Hill, Port Louis; Rep. P. J. SECCOMBE; library of 7,000 volumes.

Mauritius Institute: P.O. Box 54, Port Louis; f. 1880; administered by a Board appointed by the Governor; research centre for the study of the local fauna and flora; a public library and two museums are also attached to the Institute; Director J. VINSON, O.B.E., F.M.A., DIP.AGRIC.; publs. *Annual Reports, Bulletin.*

Royal Society of Arts and Sciences of Mauritius: Mauritius Institute, Port Louis; f. 1829; Royal title 1847; 5 honorary, 14 corresponding and 116 ordinary mems.; Pres. J. VINSON, O.B.E.; Hon. Sec. R. ANTOINE; publ. *Proceedings.*

Société de l'Histoire de l'Ile Maurice: Mauritius Institute, Port Louis; f. 1938; 120 ordinary mems.; Pres. GUY ROUILLARD; Hon. Sec. FERDINAND DALAIS; publs. *Bulletin, Dictionary of Mauritian Biography.*

Société de Technologie Agricole et Sucrière de Maurice: Sugar Industry Research Institute, Réduit; f. 1910; 271 mems.; Pres. ROBERT ANTOINE; Hon. Sec. JEAN-PIERRE LAMUSSE; publ. *La Revue Agricole et Sucrière de Maurice.*

Sugar Industry Research Institute: Réduit; f. 1953; research on cane breeding, agriculture, soils, diseases, pests, botany and sugar manufacture; Dir. P. O. WIEHE, C.B.E., D.SC.; 12 senior research workers; publs. *Annual Report, Bulletins.*

LIBRARIES AND MUSEUMS

Mauritius Archives: Sir William Newton Street, Port Louis; f. 1815; contains records of the French Administration (1721-1815) and the British Administration (1810 onwards); comprises Divisions of Manuscript Records, Printed Records, Notarial Registry, Land Registry and Maps and Plans, and a Photographic Service; Chief Archivist Dr. A. TOUSSAINT; publs. *Annual Reports, Memoranda of Books, Bulletin*; other publs. *Atlas-Souvenir de l'Abbé de la Caille* (1953), *Early American Trade with Mauritius* (1954), *Bibliography of Mauritius* (1956), *Répertoire des Archives de l'Ile de France: 1715–1768* (1956), *Mauritius and the Spice Trade* (1958), *Les Voyages du Chirurgien Avine à l'Ile de France et dans la Mer des Indes au début du XIXe siècle* (1961), *Les Constitutions de l'Ile Maurice* (1962).

Mauritius Institute Public Library: Port Louis; f. 1902; 39,000 vols., including an extensive collection of books, articles and reports on Mauritius; Librarian S. JEAN-FRANÇOIS, B.A., A.L.A.

Municipal Library: Port Louis; 25,000 vols.

Carnegie Library: Curepipe; 19,000 vols.

Port Louis Museum: Mauritius Institute, Port Louis; comprises a Natural History Museum; f. 1885; collections of fauna, flora and geology of Mauritius and of the other islands of the Mascarene region.

Art Gallery: Mauritius Institute, Port Louis; f. 1922; includes works of local artists. Curator C. MICHEL, B.SC., A.M.A.

Historical Museum: Mahebourg; f. 1950; a branch of the Mauritius Institute; comprises collection of old maps, engravings, water-colours and naval relics of local interest, exhibited in an 18th-century French house.

The Mauritius Herbarium: Sugar Industry Research Institute, Réduit; f. 1960; public herbarium for education and research.

COLLEGE

College of Agriculture: Réduit; f. 1923; enlarged 1956; Principal A. NORTH-COOMBES, O.B.E., B.SC.AGRIC.; diplomas in tropical agriculture, sugar technology and sugarcane agriculture; 22 lecturers; 67 students.

SOLOMON ISLANDS

COLLEGES

British Solomons Training College: Honiara.

Goldie Theological College: Banga, P.O. Munda; for High School and Pastor training in British Solomons and Eastern New Guinea, supported by the Methodist Church of New Zealand; Principal J. F. CROPP.

St. Peter's Theological College: Siota; supported by the Anglican Church.

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SOUTH AFRICAN HIGH COMMISSION TERRITORIES

UNIVERSITY

UNIVERSITY OF BASUTOLAND, BECHUANALAND PROTECTORATE AND SWAZILAND

The University is planned to come into being in January 1964 and will incorporate the present University College of Pius XII at Roma (*see* below).

BASUTOLAND

UNIVERSITY COLLEGE OF PIUS XII

ROMA MISSION, BASUTOLAND,
SOUTHERN AFRICA

Founded 1945.

The University College is directed by the Oblates of Mary Immaculate, who also direct the University of Ottawa, Canada. An agreement of association with the University of South Africa, Pretoria, in 1955, recognised the University College lecturers as first examiners, setting their own examination papers The College will become an independent University in January 1964. Instruction is in English.

An Extension Service Board, founded for adult education in 1959, co-operates with community and Government schemes.

Rector: F. E. Banim, M.A.

Vice-Rector: D. Tuohy, B.A., M.A.

Registrar: Y. M. Perigny, B.A.

Treasurer: A. W. Hall, PH.D.

Librarian: E. Ruch, D.LITT.

Number of lecturers: 43.
Number of students: 177.

Publications: *See* (student newspaper, several times a year), *Newsletter* (circulated by the administration several times a year to over a thousand people in Africa and overseas), *Leseli* (newspaper of National Union of Basutoland Students).

Deans

Faculty of Science: D. Fahy, M.A.

Faculty of Arts: D. Tuohy, B.A., M.A.

Faculty of Education: G. A. Auger, M.A., PH.D.

Heads of Departments

Auger, G. A., M.A., PH.D. (Education).
Biemans, J., M.A. (Economics).
Cabon, H., M.A., D.SC.SOC. (Sociology).
Fahy, D., M.A. (Psychology).
Morgan, D., M.SC. (Botany).
Pfeifer, R. J., B.S., PH.D. (Chemistry).
Ruch, E., D.LITT. (Philosophy).
Schmitz, G., PH.D. (Geography).
Skylstad, K. (Physics).
Stevens, R. P., M.A., PH.D. (Political Science).
Sylvain, G., M.A. (History).
Tekateka, J., B.A. (African Languages).
Thelejane, T. S., M.SC. (Zoology).
Topshee, G. (Extension Courses).
Tuohy, D., B.A., M.A. (English).

AGRICULTURAL TRAINING SCHOOL

MASERU

Agricultural Education Officer: C. M. K. Seape.

Specialist Officers:

Agricultural Officer (Research): A. Macintosh.
Principal Veterinary Officer: N. Raditapole.
Animal Husbandry Officer: C. Mills.
Veterinary Officer: Dr. D. C. L. Wacher.
Assistant Director (Extension): J. Rhodes.

TECHNICAL SCHOOLS

There are technical schools at Lerotholi and Leloalang. At Lerotholi there is a post-secondary commercial course for the training of government clerical officers, and for Basuto entering commerce.

BECHUANALAND PROTECTORATE

RESEARCH INSTITUTES

Geological Survey Department: Lobatsi; prepares geological maps, conducts mineral surveys and develops underground water resources.

Veterinary Services: P.O. Box 251, Mafeking; also laboratories at Ramathlabama; small veterinary school; Dir. J. Falconer.

TEACHER TRAINING COLLEGE

Completed in 1958. Number of students: 116.

SWAZILAND

RESEARCH INSTITUTES

Agricultural Research Station: P.O.B. 4, Malkerns; Principal Research Officer A. C. Venn, O.B.E., B.SC.

Department of Agriculture: P.O. 162, Mbabane; Dir. J. G. M. King, C.M.G., O.B.E.; Dir. of Botanical Survey Prof. R. H. Compton, M.A., HON.F.R.H.S.

Geological Survey and Mines Department: P.O. Box 9, Mbabane; f. 1942; activities include the mapping of the territory (now completed on a scale of 1 : 50,000), the investigation of mineral occurrences by prospecting, detailed mapping and diamond drilling; Dir. D. N. Davies, O.B.E., M.SC. (Rand.), B.SC. (Stellenbosch); Senior Geologist D. R. Hunter, M.SC. (London), F.G.S.

Health Office and Public Health Laboratory: Bremersdorp; Dir. of Medical Services B. D. Whitworth.

Mpisi Cattle Breeding Experimental Station: Mpisi; to improve indigenous Nguni cattle; Dir. J. G. M. King, C.M.G., O.B.E.

LIBRARIES

There are Public Libraries at Mbabane, Bremmersdorp, Goedgegun and Hlatikulu.

TONGA

Teachers' Training College: Nuku'alofa.

BRITISH WEST INDIES

LEARNED SOCIETIES AND RESEARCH INSTITUTES

REGIONAL

Institute of Social and Economic Research: Mona, St. Andrews, Jamaica; affiliated to the University of the West Indies; Dir. H. D. Huggins, M.SC., A.M., PH.D.

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Tropical Metabolism Research Unit: Mona, St. Andrews, Jamaica; affiliated to the University of the West Indies; Dir. J. C. WATERLOW, M.D.

BARBADOS

Historical Society: *see under* Barbados Museum.

BRITISH GUIANA

British Council, The: 16 Robb Street, Georgetown; assists cultural and educational groups in the Colony through the distribution of periodicals and educationl films to various organisations in Georgetown and the rural districts; br. at New Amsterdam; Regional Dir. C. SOMERVILLE.

Royal Agricultural and Commercial Society, The: Georgetown.

United States Information Services: Georgetown.

BRITISH HONDURAS

Association for the Improvement of Management, The: Belize.

British Council, The: 67 Albert Street, Belize; Rep. J. M. MILLER, M.A.

British Honduras Guild of Graduates: Belize.

The Baron Bliss Institute: Belize; handed over to the Government by the Baron Bliss Trust in 1954; has a dramatic stage and auditorium, lecture rooms, an exhibition hall; houses the Central Library of the British Honduras Library Service and the Extra-Mural Department of the University of the West Indies.

LIBRARIES

REGIONAL

Eastern Caribbean Regional Library: P.O. Box 67, Port-of-Spain, Trinidad; f. 1941; 75,000 vols.; Regional Dir. for Eastern Caribbean; also serves Windward and Leeward Islands and British Guiana.

University of the West Indies Library: Mona, St. Andrews, Jamaica; f. 1948; approx. 70,000 vols.; Librarian W. E. GOCKING, B.A., F.L.A. (serves the whole of the British West Indies).

University of the West Indies Library: St. Augustine, Trinidad; formerly the library of the Imperial College of Agriculture; f. 1926; approx. 29,000 vols., 91,000 unbound pamphlets and periodicals; Senior Asst. Librarian Miss A. T. WARNER, B.A., A.L.A., M.S., A.R.C.M. (serves the whole of the British West Indies).

BAHAMAS

There are three public libraries in Nassau and 27 in the Out Islands.

BARBADOS

Public Library: Bridgetown; maintained by the Government; approx. 62,000 vols.

BRITISH GUIANA

Royal Agricultural and Commercial Society Library: Georgetown; 14,235 vols.

British Council Library: Georgetown; 5,116 vols.; br. at New Amsterdam, 620 vols.

Public Free Library: Georgetown; 35,138 vols.; brs. 43,593 vols.

United States Information Services Library: Georgetown; 5,000 vols.

BRITISH HONDURAS

British Honduras Library Service: Bliss Institute, Belize; reference section, lending section, National Collection and reading room; Children's Library and br.; 7 br. libraries and 40 sub-libraries.

LEEWARD ISLANDS

St. John's Public Library: St. John's, Antigua; over 19,000 vols.

Montserrat Public Library: Plymouth, Montserrat; over 1,390 mems.; 8,319 vols.

WINDWARD ISLANDS

Central Library: Castries, St. Lucia.; br. at Soufrière.

MUSEUMS

BARBADOS

Barbados Museum and Historical Society: St. Ann's Garrison; est. 1933; the museum contains collections illustrating the island's prehistory, history, natural history and marine life; and furniture, silver, china and glass typical of plantation homes; the Society's library specialises in Barbadiana and West Indiana; publs. *Journal, Bulletin* (both twice yearly).

BRITISH GUIANA

British Guiana Museum: Cultural Centre, North Street, Georgetown; f. 1853 by the Royal Agricultural and Commercial Society; considered to be the finest of its kind in the Caribbean; aquarium; the arts and crafts of the Amerinds and Wai Wai tribes; archaeological collections and magnificent specimens of the Colony's birds and animals; Dir. MAHAMAD HANIF, F.R.A.I.; publ. *Journal* (half-yearly).

British Guiana Zoological Park: Botanical Gardens, Georgetown; f. 1952; an adjunct of the British Guiana Museum; Supt. J. S. LEE.

UNIVERSITY OF THE WEST INDIES

MONA, KINGSTON 7, JAMAICA

Founded 1948

Serves Jamaica, Trinidad and Tobago and the British Colonies in the Caribbean. The Faculties of Agriculture and Engineering are in Trinidad. For full details *see* chapters on Jamaica and Trinidad.

BAHAMAS

Queen's College: Nassau; 374 students.

BARBADOS

CODRINGTON COLLEGE

Telephone: 95-226

Founded 1745; affiliated to Durham University 1875; recognised as the Provincial Theological College of the West Indies 1946; incorporated into the Community of the Resurrection 1955.

Number of teachers: 6.
Number of students: 35.

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Visitor: Most Rev. The Lord Archbishop of the West Indies.
Principal: Rev. Anselm Genders, C.R., M.A.
Vice-Principal: Rev. W. D. Wheeldon, C.R., B.A.

BRITISH GUIANA

UNIVERSITY OF GUYANA

GEORGETOWN

Founded 1963

Colleges of Arts and Sciences, Medicine, Engineering, Agriculture, Education, etc., are to be set up. The University will be both a teaching and an examining body.

Chancellor: E. M. Duke, C.B.E., LL.B.
First Principal and Vice-Chancellor: Lancelot Hogben, M.A., D.Sc., F.R.S., LL.D.

Government Technical Institute: Georgetown; f. 1951; courses for craftsmen and technicians; Principal P. C. A. Pooran; 79 teachers, 1,252 students.

Domba Trade School, Mackenzie; f. 1958; City and Guilds of the London Institute courses in mechanical engineering craft practices; Principal Edwin Elcoat; 2 teachers, 18 part-time and 24 full-time students.

BRITISH HONDURAS

Fletcher College: Corozal; f. 1963; 2 teachers, 22 students.

Wesley College: Belize; 13 teachers, 322 students.

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GREECE

Population 6,973,506

In all cases where the name of a town is not given, the address is Athens.

ACADEMY

Akadimia Athinon (*Academy of Athens*): Odos Panepistimiou; f. 1926.

President: J. Theodorakopoulos.
Vice-President: J. Xanthakis.
Secretary-General: A. K. Orlandos.
Secretary for Proceedings: E. Emmanouil.

Presidents of Sections:

Positice Sciences: B. Kribas.
Literature and Fine Arts: J. Stamatakos.
Moral and Political Sciences: C. Tsatsos.
Chief of Bureau: G. N. Veltsos.

Library of 50,000 vols.
Number of members: 65.
Publications: *Praktika* (*Proceedings* — annually), *Pragmatie* (Memoirs), *Historical Dictionary of the Greek Language*, etc.

LEARNED SOCIETIES

General

Archæologiki Hetairia (*Archæological Association*): Odos Panepistimiou 22; f. 1837; publs. *Archæologiki Ephimeris* (periodical), *Praktika* (annual), *Archæological Library* (series of 50 vols.), *Ergon* (annual) 1954–62; library of 30,000 vols.

British Council: 17 Philikos Etereias, Athens; Rep. R. A. Close, O.B.E.; library; branch at Salonika, Dir. H. S. Harvey.

Goethe Institute: Odos Omerou 13, Athens.

Hellenic Geographical Society: 29 Stadium Street; f. 1919; 80 mems.; Pres. D. T. Noti Botzaris; Gen. Sec. Dr. Diomedes Haralambous; publ. *Bulletin*.

Historical and Ethnological Society: Old Palace, Constitution Square; f. 1883; Pres. D. T. Noti Botzaris; Sec.-Gen. Vlad T. Kolokotronis.

Institut Français d'Athènes: 29-31 Odos Sina, Athens; Dir. H. Ehret.

Istituto Italiano di Cultura: Patission 47, Athens; Dir. E. Glorgi Alberti.

Society for the Study of Social and Political Problems: Odos Amerikis 16A; f. 1923.

Society for Byzantine Studies: Odos Massalias 4; f. 1919; 450 mems.; Pres. P. Poulitsas; Sec.-Gen. N. B. Tomadakis; publ. *Epetiris Etairias Byzantinon Spoudon* (annual).

Svenska Institutet i Athen (*Swedish Institute*): 29 Jan Smuts (Voukourestiou) Street, Athens 136; f. 1948; Dir. Dr. Paul Åström; 400 mems.; cultural exchange between Sweden and Greece; publs. *Skrifter utgivna av Svenska Institutet i Athen* (*Acta Instituti Atheniensis Regni Sueciae*), including *Opuscula Atheniensia*.

Art

Federation of Plastic Art Associations: f. 1937; comprises:

Syndesmos Hellinon Kallitechnon (*Association of Greek Artists*): Odos Patission 28; f. 1910.

Somateion Hellinon Glypton (*Association of Greek Sculptors*): Spartis-Jerusalem; f. 1930.

Omas-Techni (*Art Society*): Odos Karageorgi 8.

Eleutheroi Kallitechnai (*Free Artists*): Odos Karageorgi 8.

Syndesmos Skitsographon (*Association of Cartoonists*): f. 1926.

Epangelmatikon Kallitechnikon Epimelitirion (*Professional Cultural Chamber*): Odos Mitropoleos 38; Pres. Vr. Tsouhos; Gen. Sec. G. Kosmadopoulos.

Literature

Association of Arts and Letters: Odos Patission 47; f. 1938; 1,500 mems.; Pres. G. Kornoutos; Gen. Sec. Stef. Xefloudas.

Ethniki Heteria Hellinon Logotechnon (*National Society of Greek Writers*): Odos Mitropoleos 38; Pres. Stratis Mirivilis; Gen. Sec. Maria Ralli.

Hetairia Hellinon Logotechnon (*Society of Greek Men of Letters*): Odos Franklin Roosevelt 58; f. 1934; 100 mems.; Pres. L. Koukoulas; Sec. G. Kazantzaki.

Hetairia Hellinon Theatricon Syngrapheon (*Society of Playwrights*): Odos Navarinou 2; f. 1908; 145 mems.; Pres. Georges Assimacopoulos; Sec. Dimitri Yanoukakis.

Syllogos Pros Diadosin ton Hellenikon Grammaton (*Society for the Promotion of Greek Education*): Odos Franklin Roosevelt 54; f. 1869; 9 mems.; Pres. Philip Dragoumis; Sec.-Gen. Panos Dimitriadis.

Music

Pan-Hellenic Musical Association: Odos Sappho 10; f. 1914; 1,900 mems.; has library, music school, and symphony orchestra of 80 musicians; Pres. M. Hitiris; Sec.-Gen. Theo Javlaridis.

Enosis Hellinon Mousourgon (*League of Greek Composers*) Odos Karageorghi Servias 8; f. 1931; Pres. A. Evangelatos; Sec.-Gen. Th. Kariotakis.

Science

Enosis Ellinon Chimikon (*The Hellenic Chemical Society*): 10 Odos Kanningos.

Helliniki Epitropi Atomikis Energhias (*The Hellenic Atomic Energy Committee*): 6 Odos Merlin.

Helliniki Mathimatiki Eteria (*The Hellenic Mathematical Society*): 34 Odos Panepistimiou.

Vassilikon Idryma Erevnon (*The Royal Research Foundation*): 14 Odos Lysikratous.

Institouton Geologhias ke Erevnon Ypedhaphous (*Institute of Geology and Subsoil Research*): 1 Odos Hippocrates; activities include mineral surveys, mapping, earthquake study; library and four laboratories.

Benakion Phytopathologhikon Institouton (*"Benakion" Institute for Phytopathology*): 3 Odos Dhelta, Kifissia; subjects include phytopathology, entomology, zoology, plant pharmaceutics; library and 10 laboratories.

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RESEARCH INSTITUTES

Centre of Economic Research: Amerikis 6, Athens; sponsored by the University of California; publs. numerous surveys on the Greek economy.

"Democritus" Nuclear Research Centre: Aghia Paraskevi-Attikis; activities relate to the peaceful uses of atomic energy; library, laboratory, six branches; Scientific Dir. Dr. TH. KANELLOPOULOS; Librarian Prof. JAMES VAN LUIK.

Geological Service of Greece: Ministry of Industry, Plateia Kanningos, Athens; f. 1919; Dir. and Chief of Chemistry Section M. L. PERTESSIS; Chief, Section of Mineralogy and Geology G. ARONIS; Chief, Section of Geophysical Exploration Dr. K. E. ZACHOS; publs. *Publications du Service Géologique de Grèce, Mémoires du Service Géologique de Grèce, Cartes Géologiques.*

Hellenikon Kentron Paragochikotitos (*Greek Productivity Centre*): 28 Kapodistriou Street, Athens; Dir.-Gen. Prof. A. CALOYERAS.

Hellenic Hydrobiological Institute: 16 Possidonos Avenue, Peleon Phalizon; f. 1946; activities include fresh-water and marine biological research, oceanographic and technological research, and surveys and development of new fishing grounds; Pres. Prof. K. BEES; Gen. Overseer Prof. J. XANTHAKIS; Dept. of Biological and Fisheries Research Mrs. E. KASSIMATI; Dept. of Chemical Research Dr. ATH. HADZIKAKIDES; Dept. of Technological Research Dr. G. KELAIDITIS; Dept. of Hydrographic Research Capt. G. R. N. HER. KOLOKYTHAS; publs. *Praktika* and *Fisheries Bulletin.*

Hellenic Institute of International and Foreign Law: Paleà Anaktora, Athens; f. 1939; library of 8,300 vols.; Dir. Prof. P. ZEPOS; Sec.-Gen. BASIL LAMBADARIOS. publs. *Revue Hellénique de Droit International* (English and French), *Ephemeris Ellenikis Ke Allodapis Nomologias.*

Institut Pasteur Hellénique: Leoforos Vasilisis Sophias 127; f. 1919; Dir. Dr. JEAN BRUNEAU; scientific staff of 3 bacteriologists and 1 chemist; publ. *Archives de l'Institut Pasteur Hellénique, 1923-31,* and new series from 1955.

Institute for Balkan Studies: Salonika; research centre concerned with the historical, literary, political, economic and social development of the Balkan peoples from their early times to the present day; Dir. BASIL LAOURDAS; publ. *Balkan Studies* (periodical).

Laboratory of Astronomy: Univ. of Athens, Odos Solonos 57, Athens; f. 1937; Dir. Prof. S. PLAKIDIS, D.SC., F.R.A.S.; Readers Dr. DEMETRIUS KOTSAKIS, Dr. WILLIAM ABBOT, Dr. CONSTANTINE MACRIS; Chief Asst. Dr. D. KATSIS; Asst. G. ANTONAKOPOULOS; publ. *Bulletin.*

National Observatory: Lophos Nymphon, Athens; f. 1842; Pres. of the Administration Board and Dir. of the Astronomical Institute Prof. S. PLAKIDIS, D.SC., F.R.A.S.; Dir. of the Meteorological Institute Prof. E. G. MARIOLOPOULOS, M.A., D.SC.; Dir. of the Geodynamical Institute Prof. A. GALANOPOULOS, D.SC.; Dir. of the Ionospheric Institute Prof. M. ANASTASIADIS, D.SC.; library contains 50,000 vols.; publs. *Annals of the National Observatory of Athens,* Vols. I-XII; *Mémoires,* Series I—Astronomy, Series II—Meteorology; bulletins of the Astronomical, Meteorological and Seismological Institutes.

Social Science Institute: Athens; f. 1960; to operate under Ministry of Education; aims to promote the development of the social sciences in Greece, to organise and conduct social research, to arrange for Greece to co-operate with international organisations concerned with the social sciences, to promote international co-operation in this field; Chief Scientific Planner C. HELLER (U.S.A.).

LIBRARIES

Athens Academy Library: Odos Venizelou, Athens; 50,000 vols.

National Library: Odos Venizelou; f. 1828; 650,000 vols.; Gen. Dir. EVANGELOS PHOTIADES.

Library of Chamber of Deputies: Paleà Anaktora; f. 1844; burnt 1859, rebuilt 1875; 960,000 vols.; Dir. ALCIBIADES PROVATAS; Librarian CONSTATIN THEMELIS.

Gennadeion (*Research Library attached to American School of Classical Studies*): Odos Souidias; f. 1926; 45,000 vols.; specialised library on Greece, the Near East, the Balkans, and travel accounts; Librarian FRANCIS R. WALTON; Asst. Librarian E. DEMETRACOPOULOU; publs. *Gennadeion Monographs I, II, III and IV; Catalogues of Travels I* and *II* (Cambridge, Mass., Harvard Univ. Press, U.S.A.).

Library of the Athens Graduate School of Economics and Business Science: Odos 28, Octovriou 76, Athens 104; f. 1920; 15,500 vols.; Librarian D. CALOZYMIS.

Library of the Technical Association of Greece: Odos Kolokotroni 4, Athens; f. 1926; approx. 10,000 vols. on mechanics, engineering and other technical subjects.

Library of the Three Hierarchs: Odos Demetriados-Ogl, Volos; f. 1907; 20,000 vols.; theological library; Librarian CONSTANTINE GAVARDINAS.

Library of the University of Thessaloniki: Salonika; f. 1927; 300,000 vols.; Dir. Dr. FORMOZIS PANTELIS.

Archives of Folklore of the Academy of Athens: Odos Venizelou; f. 1918; 3,200 vols.; 2,350 MSS.; 5,500 songs and dances; texts of folk-songs, folk-tales, proverbs, customs, etc.; Dir. Prof. GEORGES SPYRIDAKIS; publ. *Year-Book of the Archives of Folklore.*

Pan Library ("Circle of the Friends of Progress"): Odos Giorgios 43, Tripolis, Arcadia; vols. on all subjects.

Benaki Library: Odos Anthimou Gazi, Athens; f. 1924; 45,000 vols.; donated by Emmanuel Benakis.

MUSEUMS AND ART GALLERIES

ATHENS

Acropolis of Athens and Acropolis Museum: museum f. 1878; contains the objects discovered on the Acropolis; illustrates the origins of Attic art, sculptures of the Parthenon, Temple of Niké, Ecatompedon, Erechteion, etc.; Curator of Antiquities C. DIMACOPOULOU.

Byzantine Museum: Hôtel de la Duchesse de Plaisance, Leoforos Vassilissis, Sophias 22; f. 1914; contains a large collection of icons and sculptures, carvings in wood, ivory and bronze, religious embroidery, jewellery and enamels of the byzantine era; also post-byzantine works of art; Dir. MANOLIS CHATZIDAKIS.

Museum of Decorative Arts: Mosquée de Monastiraki; f. 1916; Dir. Mrs. ZORAS.

National Archaeological Museum: Odos Patission 144; f. 1874; contains the collections of Egina, the Theseum, the Tower of the Winds, Hadrians Library and, since 1894, those of the Archaeological Society; Dir. CHR. KAROUZOS.

Mouseion tis Istorikis kai Ethnologiikis Etairias tis Ellados (*Historical and Ethnological Museum*): Odos Patission 42; f. 1883; 50,000 MSS.; 3,000 vols., 346 codices, pictures and relics from the time of the Turkish dominion; Dir. H. S. CARAVIAS; Curator G. CATSAROS.

Zoological Museum of the University: Odos Akademias 43; f. 1858; mammifera, birds, fishes, arthropoda, reptiles; Dir. Prof. V. KIORTSIS; Curator Dr. J. ONDRIAS.

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Benaki Museum: Odos Koumbari 1, Athens; f. 1931; contains historical exhibits of Modern Greece, collections of Oriental arms, Byzantine and post-Byzantine art, Coptic and Islamic art, Islamic textiles, jewellery (Mycenæan to Modern European), Chinese pottery and porcelain, embroidery, Greek national costume and peasant art; Founder ANTONY E. BENAKI; Chair. C. A. BENAKI; Dir. MANOLIS CHATZIDAKIS.

National Picture Gallery and Alexander Soutzo's Museum: Vassilissis Sophias; f. 1900; was closed during the German occupation and has not yet reopened; collections include a small number of Renaissance pictures, four of them by El Greco, 17th/19th-century paintings and drawings of Greek and other European artists; Dir. Dr. MARINOS KALLIGAS.

Loverdos Museum: Odos Mavromichali 4, Athens; collection of Byzantine ikons, sculptures in marble and wood of Denys Loverdos; collections of rare embroideries and Oriental tapestries.

Stoa of Attalos: Athens; f. as a museum in 1956; the design of the original building of the 2nd century B.C. has been exactly reproduced in the reconstruction carried out 1953–56 by the American School of Classical Studies; collections include all material found in the excavations of the Athenian Agora, illustrating 5,000 years of Athenian history; Dir. N. PLATON.

PROVINCIAL MUSEUMS

Archaeological Museum: Olympia; contains largest single collection of Greek bronzes in the world; two pediments from temple of Zeus, Hermes of Praxiteles, Victory of Paionios; Dir. NICOLAS YALOURIS, Asst. Dir. GEORGE PAPATHANASOPOULOS; publs. on history and remains of Olympia.

Archaeological Museum: Delphi; f. 1903; findings from the Delphic excavations; Dir. Mrs. CONSTANTINOU.

Archaeological Museum: Corinth; f. 1932; findings from excavations made by the American School; Dir. M. VERDELIS.

Archaeological Museum: Rhodes; in the Hospital of the Knights; f. 1940; mainly collection from Rhodes; Dir. M. CONTIS.

Archaeological Museum: Crete; f. 1951; three sections: tourists, students, systematic storage of antiquities; traces the development of the potter's art, the Minoan civilisation and early Greek civilisation; Dir. Dr. S. ALEXIOU.

UNIVERSITIES

ATHINISIN ETHNIKON KAI KAPODISTRIAKON PANEPISTIMION

(National and Capodistrian University of Athens)

ODOS PANEPISTIMIOU, ATHENS

Telephone: 620-004

Founded 1837.

Rector: E. PHOCAS.
Pro-Rector: B. VELLAS.
Vice-Rector: N. CHORAFAS.
Secretary-General: ARISTIDES SCARPALEZOS.

Number of professors: 119.
Number of students: 7,000.

DEANS:

Faculty of Theology: I. KARMIRIS.
Faculty of Law: K. ROCAS.
Faculty of Letters: I. PAPASTAVROU.
Faculty of Medicine: P. PHOTINOS.
Faculty of Mathematics and Physics: K. PAPAIOANNOU.

PROFESSORS:

Faculty of Theology:
BONIS, CON.
JOHANNIDES, BASIL.
KARMIRIS, JOHN.
KONIDARIS, GER.
MORAITIS, D.
PHILIPPIDES, L.
PHYTRAKIS, A.
SIOTIS, M.
VELLAS, BASIL.

Faculty of Law:
CHORAFAS, N.
CHRISTOPHILOPOULOS, AN.
DENDIAS, M.
EFSTATHIADIS, K.
GAFOS, EL.
GARDIKAS, C.
KOULIS, I.
LITZEROPOULOS, A.
MICHAILIDIS-NOUAROS, G.
PETROPOULOS, G.
RAMMOS, G.
ROCAS, K.
SGOURITSAS, CHR.
SONTIS, JOHN.
STEFANIDES, DEM.
TSIRINTANIS, AL.
VEGLERIS, F.
ZEPOS, PAN.
ZOLOTAS, X.

Faculty of Letters:
AMROUSSI, F.
BATTAGLIA, S.
DASKALAKIS, A.
DERRES, J.
DESCOTES, M.
FIEDLER, L.
JOHNSON, CL.
KOLLIAS, G.
KONTOLEON, N.
KORRES, ST.
KOURMOULIS, G.
MARINATOS, S.
PAPASTAVROU, I.
SPETSIERIS, C.
THEODORAKOPOULOS, JOHN.
TOMADAKIS, N.
TZANNETATOS, TH.
VOURVERIS, CON.
ZAKYTHINOS, D.
ZORAS, G.

Faculty of Medicine:
ALIVIZATOS, CONSTANTINE.
ANTONOPOULOS, S.
APOSTOLAKIS, G.
CHARAMIS, JOHN.
CHOREMIS, CONSTANTINE.
CHRISTEAS, N.
CHRYSSICOS, JOHN.
ELEFTHERIOU, D.
ELIAKIS, C.
GAROFALIDES, THI
GOUTAS, A.
KAÏRIS, Z.
KLISIOUNIS, N.
LOUROS, N.
MALAMOS, B.
MALTEZOS, CH.
MOUTOUSSIS, C.
PATRIKIOS, J.
PHOCAS, EUGENE.
PHOTINOS, P.

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Sclavounos, Th.
Toole, H.
Tsampoulas, N.
Valaoras, B.

Faculty of Mathematics and Physics:
Alexopoulos, C.
Anatasiades, M.
Brikas, M.
Diapoulis, Har.
Foussianis, Ch.
Galanopoulos, A.
Georgïades, An.
Giannacopoulos, Th.
Kappos, D.
Kriticos, Pan.
Mariolopoulos, E.
Mitsopoulos, M.
Pantazis, G.
Papaïoannou, C.
Plakides, S.
Sarandopoulos, Sp.
Stathias, El.
Tsatsas, G.
Zaganiaris, J.
Zervas, L.

ARISTOTELION PANEPISTIMION THESSALONIKIS
(University of Thessaloniki)

SALONIKA

Telephone: 21-411

Founded 1925.

Rector: J. Koroneos.
Pro-Rector: G. Varvogis.
Deputy Rector: N. Andriotis.
Gen. Secretary: Basil Scouvaclis.
Librarian: Pantelis Formozis.

Number of teachers: 120 professors.
Number of students: 8,198.

Deans:

Faculty of Theology: A. Hastoupis.
Faculty of Philosophy: L. Politis.
Faculty of Law and Economics: N. Pantazopoulos.
Faculty of Physics and Mathematics: G. Kontopoulos.
Faculty of Agriculture and Forestry: B. Christides.
Faculty of Medicine: E. Panayotopoulos.
Faculty of Veterinary Science: A. Spaïs.
Faculty of Technology: G. Nitsiotas.

Professors:

Faculty of Theology:
Agouridis, Savas (New Testament History).
Chastoupis, Athanasios (History of Old Testament).
Christou, Panagiotis (Patristics and Ecclesiastical Literature).
Exarchos, Basil (Christian Catechesis and Introduction to Theology).
Kalogirou, John (History of Doctrine and Œcumenism).
Kotsonis, Ieronymos (Canon Law and Pastoral Works).
Polakis, P. (Church History).
Theodorou, Evangelos (Homeletics and Liturgy).
Trakas, John (Science of Religion).

Faculty of Philosophy:
Andriotis, Nicolas (Philology and Linguistics).
Bakalakis, George (Classical Archæology).
Criaras, Emanuel (Mediæval Greek Literature).
Grollios, Constantinos (Latin Literature).
Kakridis, John (Ancient Greek Literature).
Kapsomenos, Stylianos (Ancient Greek Literature).
Manousakas, Manousos (Medieval and Modern History).
Petropoulos, Demetrios (Ancient Greek Religion and Modern Greek Folklore).
Politis, Linos (Modern Greek Literature).
Sakellariou, Michael (Ancient Greek History).
Tatakis, Basil (Philosophy).
Tsopanakis, Agapetos (Ancient Greek Literature).
Vakalopoulos, Apostolos (History of Modern Greece).

Institute of Foreign Languages and Literatures:
Bron, Gilbert (French Language and Literature).
Fisher, Marvin (American Language and Literature).
Harvey, Henry Stanley (English Language and Literature).
Posadowski-Wehner, Kurt graf von (German Language and Literature).

Faculty of Law and Economics:
Delivanis, Demetrios (Political Economy).
Dertilis, Panayotis (Public Finance and Legislation).
Fragistas, Charalambos (Civil Procedure).
Karanikas, Demetrios (Criminal Law).
Karavas, Constantine (Commercial Law).
Konstantopoulos, Demetrios (Public International Law).
Kousoulakos, George (Civil Law).
Kyrïakopoulos, Elias (Administrative Law).
Pantazopoulos, Nicholas (History of Greek and Roman Law).
Santis, Demetrios (Public Finance).
Voyatzis, Basil (Social Policy and Industrial Sociology).
Zessiadis, John (Penal Science).

Faculty of Physics and Mathematics:
Anastassiadis, John (Mathematics).
Athanassopoulos, George (Zoology).
Diannelidis, Themistoklis (General Botany).
Embirikos, Nicolas (Physics).
Ganiatsas, Constantinos (Systematic Botany).
Gratsiatos, John (Mechanics).
Kanellis, Antony (General Biology).
Kapatos, Leander (Physical Chemistry).
Kawassiades, Constantinos (Inorganic Chemistry).
Kokkoros, Peter (Mineralogy).
Kontopoulos, George (Astronomy).
Kyrïazopoulos, Basil (Meteorology).
Makris, Constantinos (Pharmaceutical Chemistry).
Marinos, George (Geology and Palæontology).
Marketou-Pylarinou, Maria (Physics).
Pylarinos, Othon (Mathematics).
Varvoglis, George (Organic Chemistry).

Faculty of Agriculture and Forestry:
Charitakis, Basil (Agrivultural Chemistry).
Christidis, Basil (Crop Husbandry).
Christopoulos, Constantine (Agricultural Hydraulics).
Demetriadis, John (Animal Husbandry).
Economopoulos, Anastasios (Forest Utilisation and Protection).
Georgopoulos, Anton (Forest Management and Measurement).
Koronaios, John (Applied Entomology).
Loghothetis, Basil (Viticulture).
Moulopoulos, Christos (Silviculture and Soil Erosion Control).
Nicolitsas, George (Engineering and Topography).
Papageorgiou, Euthymios (Agricultural Economics).
Papaïoannou, John (Wood Chemical Technology and Forest Botany).
Paxinos, Stavros (Soil Science).
Raptopoulos, Thrasyvoulos (Horticulture and Pomology).
Stephanopoulos, Orestis (Agricultural Technology).
Zambetakis, Charalambos (Phytopathology).

Faculty of Medicine:
Anastasopoulos, George (Psychiatry and Neurology).
Christomanos, Anastasios (Biochemistry).
Creticos, Spyridon (Radiology).
Deliyannis, George (Internal Medicine).
Hadjivassiliou, Gregory (Hygiene and Microbiology).
Kavazarakis, Nicolas (Surgery).
Logaras, George (Experimental Pharmacology).
Mavros, Alexander (Physiology).
Panayotopoulos, Euthymios (Pathology).
Relias, Andrew (Venereal and Skin Diseases).
Savas, Alexander (Human Anatomy).
Symeonidis, Alexander (Pathology).
Tsoutsoulopoulos, George (Obstetrics and Gynæcology).
Tountas, Constantinos (Surgery).
Tzanidis, Theodoros (Ophthalmology).
Valtis, Demetrios (Internal Medicine).
Yannoulis, George (Oto-Rhino-Laryngology).

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Faculty of Veterinary Science:
ASPIOTIS, NICOLAS (Physiology and Pharmacology).
CHRISTODOULOU, THEOPHANES (Microbiology and Parisitology).
MICHAEL, SOTERIOS (Anatomy).
PANETSOS, ACHILLEUS (Food Hygiene).
SPAIS, ALEXANDER (Clinical and General Pathology).
TSIROYANNIS, ELEUTHERIOS (Pathology).
VIKELIDES, JOHN (Surgery).
VLACHOS, CONSTANTINE (Internal Diseases and Obstetrics).

Faculty of Technology:
FLORAS, MILITIADES (Higher Mathematics).
KARANTINOS, PATROCLOS (Architectural Design).
LADOPOULOS, PANAYOTIS (Geometry).
MOUTSOPOULOS, NICHOLAS (Architectural Morphology).
NITSIOTAS, GEORGE (Applied Mechanics).
PAPADIMITRIOU, CONSTANTINOS (Building Materials).
SPHIKAS, ALEXANDER (Geodesy).

ETHNIKON METSOVION POLYTECHNEION
(National Technical University of Athens)

ODOS 28 OCTOVRIOU 42, ATHENS

Telephone: 616-918

Founded 1836.

Rector: Prof. D. PIPPAS.
Pro-Rector: Prof. KYR. PEZOPOULOS.
Vice-Rector: Prof. M. MITSOPOULOS.
Registrar: A. ATHANASSIADIS.

Faculties of Civil, Mechanical and Electrical, Architectural, Chemical, Rural, and Topographical Engineering.

The Faculty of Chemical Engineering includes a separate School of Mining and Metallurgy.

The library contains 85,000 volumes.
Number of teachers: 250, including 60 professors.
Number of students 2,500.

ORDINARY PROFESSORS:

AGAPITIDES, S. (Theoretical and Applied Economics).
ANAGNOSTOPOULOS, G. (Chemical Technology).
ARGYRAKOS, J. (General Astronomy).
BIRIS, K. (Building Construction).
CATRAKIS, S. (Mining).
DELIYANNIS, A. (Inorganic and Chemical Technology).
ECONOMOPOULOS, N. (Technology of Fuels and Lubricants).
FLAMBOURIARIS, J. (General Electrical Engineering).
FRANGOULIS, B. (Naval Architecture).
KALINSKI, A. (Agricultural Hydraulics).
KALOGERAS, A. (Industrial Building Construction).
KARAVAS, C. (French Language and Technical Terminology).
KOKKINOPOULOS, E. (Statistics).
KORONAIOS, D. (Theory of Structures).
KORONEOS, G. (Railway Engineering).
KOUYOUMZELIS, T. (Physics).
KRIEZIS, A. (Town Planning).
KRIEZIS, P. (Applied Mathematics).
KRITIKOS, N. (Higher Mathematics).
MICHELIS, P. (Theory of Architecture).
MITSOPOULOS, M. (Mineralogy, Petrography, Geology).
PANAYOTOUNAKOS, E. (Applied Structural Analysis, Steel Bridges).
PAPAÏOANNOU, C. (Applied Mechanics).
PAPASPYROS, A. (Higher Mathematics).
PAPPAS, A. (Mechanical Technology).
PAPATHANASSOPOULOS, B. (Engineering Materials).
PEZOPOULOS, G. (Central Power Stations, Networks and Distribution).
PEZOPOULOS, K. (Wireless and Applied Electronics).
PIPPAS, D. (Harbour Constructions).
RAFTOPOULOS, G. (Electrical Machines).
ROMAIDES, J. (Hydraulics and Hydraulic Works).
SAKELLARIOS, E. (Organic Chemical Technology).
SANTORINI, P. (Physics).
SPHIKAS, A. (Geodesy).
STRINGOS, G. (Heat Engines and Boilers).
THEOPHANOPOULOS, N. (Machine Elements).
TRYPANIS, A. (Theory of Machines, Applied Thermodynamics and Heating Systems).
VASSILIOU, P. (Higher Mathematics).

EXTRAORDINARY PROFESSORS:

AMBRASEYS, N. (Hydraulic Engineering).
ANGELOPOULOS, M. (Nuclear Engineering).
ATHANASSIADIS, N. (Fluid Mechanics and Hydraulic Machines).
DESPOTOPOULOS, J. (Architectural Design).
DIMOPOULOS, N. (Internal Combustion Engines).
KYDONIATIS, S. (Rural Architecture).
LAMERAS, L. (Plastic Arts).
LOIZOS, A. (Stone and Wooden Bridges, Retaining Walls and Foundations).
LOIZOS, F. (Interior Fittings of Buildings).
MARTHAS, P. (Freehand Drawing).
MOUSSOULOS, L. (Mineralogy).
PAPADANIEL, E. (Machine Shop Labroatory).
PAPASTAMATIOU, J. (Applied Geology and Strata).
PARISSAKIS, G. (Analytical Chemistry).
PROCOPIOU, A. (General History of Art).
SKULIKIDIS, TH. (Physical Chemistry and Applied Electrochemistry).
SOKOS, A. (Stereophotography).
THEOPHILOPOULOS, C. (Electrical Technology for Civil Engineers).
THEOCARIS, P. (Strength of Materials).
VEIS, G. (Topography).

COLLEGES

ARCHÆOLOGY, GREEK STUDIES

American School of Classical Studies at Athens: Odos Souidias 54; f. 1881; post-graduate school for students of classical literature and history and classical archæology, controlled by a committee representing 89 American universities; library of 22,500 vols.; Officers: Dir. HENRY S. ROBINSON; Prof. of Archæology EUGENE VANDERPOOL; Field Dir. in the Athenian Agora HOMER A. THOMPSON; Chair. of Managing Cttee. ALFRED R. BELLINGER; Library of the Gennadeion *see* (Libraries); publ. *Hesperia.*

British School of Athens: Odos Souedias 52, Athens 140, and 31-34 Gordon Square, London, W.C.1; f. 1886; library of over 25,000 vols., including Penrose Library (ancient, mediæval and post-mediæval Greek studies and archæological research) and Finlay Library (Greek travel and modern Greek literature, etc.); Chair. Prof. C. M. ROBERTSON; Dir. A. H. S. MEGAW; London Sec. Mrs. J. THORNTON; publs. *British School Annual, Archaeological Reports.*

Deutsches Archäologisches Institut, Abteilung Athen (*German Archaeological Institute*): 1 Odos Fidiou, Athens; f. 1874; library of 40,000 vols.; Dirs. Prof. Dr. E. KUNZE, Prof. Dr. F. WILLEMSEN; publ. *Mitteilungen.*

École Française d'Athènes (*French Archæological School*); Odos Didotou 6; f. 1846; library of approx. 40,000 vols.: Dir. GEORGES DAUX; Sec. FR. SALVIAT; 15 mems. and architects; publs. *Bulletin de correspondance hellénique* (annual; f. 1877), *Bibliothèque des Ecoles françaises d'Athènes et de Rome, Fouilles de Delphes, Exploration archéologique de Délos, Recherches Françaises en Turquie, Etudes thasiennes, Etudes crétoises, Travaux et mémoires, Etudes péloponnésiennes, Etudes chypriotes.*

Italian School of Archaeology: 56 Odos Amelia, Athens; f. 1908.

AGRICULTURE

Anotati Geoponiki Scholi Athinon (*College of Agriculture*): Votanikos, Athens; f. 1920.

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ARTS, DRAMA, MUSIC

Anotati Scholi Kalon Technon (*School of Fine Arts*): Odos Patission; f. 1836; comprises a preparatory section for drawing, and sections for painting, sculpture, engraving and applied arts; 14 Professors and approx. 150 students.

Dramatiki Scholi (*Dramatic School*): National Theatre, Odos Menandrou 65; f. 1924; open to actors who desire to improve their art and to young people who desire to take up the stage as a career. The staff comprises the Director, 11 professors, and 2 teachers.

Odeion Athenon (*Odeon of Athens*): Odos Piraeus 35; f. 1871; comprises a musical section, a dramatic section, a section for military music, and a section for Byzantine Church music; has 40 Professors, 20 Teachers, and over 500 students; Dir. MENELAOS G. PALLANDIOS.

Odeion Hellenikon: Odos Phidiou 3; f. 1913; 1,000 students; Dirs. Prof. ANTIOCHOS EVANGHELATOS, Prof. MARIOS VARVOGLIS.

Odeion Ethnikon: Odos Solonos 60; f. 1886; sections for music, drama, and opera.

ECONOMICS AND COMMERCIAL SCIENCE

Anotati Scholi Economikon Kai Emborikon Epistimon (*The Athens Graduate School of Economics and Business Science*): Odos Patission 76, Athens 104; f. 1920.

Rector: Prof. S. KALOGEROPOULOS STRATIS.
Pro-Rector: Prof. K. SPILIOPOULOS.
Secretary-General: G. MOUSTAFELLOS.
Librarian: D. CALOZYMIS.

Number of teachers: 19, including 12 professors.
Number of students: 2,279 men, 308 women, total 2,587.

PROFESSORS:

ANDREADIS, S. (Administrative Law).
ATHANASIADIS, K. (Statistics).
CHRISTODOULOPOULOS, P. (Economics).
FOURKIOTIS, C. (Civil Law).
HALKIOPOULOS, G. (Political Economy).
KALOGEROPOULOS-STRATIS, S. (Private and Commercial International Law).
KOKKALIS, ALEX (Political Economy).
MANTZOUPHAS, G. (Civil Law).
MILIOTIS, J. (Raw Materials and Merchandise).
SPANDANOPOULOS, J. (Accounting).
SPILIOPOULOS, K. (Commercial Law).
TSIMARAS, M. (Business Economics and Accounting).

Anotati Biomichaniki Scholi (*Graduate School of Industrial Studies*): 43 Kyprou Street, Athens, 8; f. 1938; provides a university standard professional education for executive staff in economic, administrative and business organisations and units (public and private), and in particular in the industrial and marine enterprises; it is controlled by the Ministry of Education; a four-year course leads to the Diploma of the School; a PH.D degree can also be taken following the submission of a suitable thesis; Pres. Board of Dirs. ST. COSTOPOULOS; Dean Prof. STR. PAPAIOANNOU; Chair. of Depts. Profs. S. AGAPITIDIS, I. CHRISSOCHOU, E. GEORGANTOPOULOS, I. KOUTSOYIANNIS, E. MARGARITIS, D. PAPADEMITRIOU; Research Dir. Prof. CL. BANDALOUKAS; Sec. E. PARASKEVAIDIS; Library 12,800 vols.; number of teaching staff 38, students 1,760; publs. *Spoudai* (Studies—monthly), *Nea* (Information Bulletin—bi-monthly), books and papers.

Panteios School of Economic and Political Sciences: Leoforos L. Sygrou 146, Athens.

THEOLOGY

Rizarios Ecclesiastiki Scholi (*Ecclesiastical School*): Lecforos Basilisis Sophias; f. 1884; teaching staff of 98.

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GUATEMALA

Population 3,952,944

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Guatemala City

Academia Guatemalteca (*Guatemala Academy*): 8th in order of foundation in Spanish America; is a correspondent of the Real Academia Española, Madrid.

Director: Luis Beltranena.
Secretary-General: Carlos Samayoa Chinchilla.
Librarian: Pedro Pérez Valenzuela.

Members:

Arce Valladares, Manuel José.
Arévalo Martínez, Rafael
Asturias Quiñones, Miguel
Castañeda Paganini, Ricardo.
Hernández Cobos, Humberto.
Herrera, Flavio
Martínez Durán, Carlos
Mata y Gavidia, José.
Samayoa Chinchilla, Carlos.
Vela, David
Velázquez, Alberto

Elected:

Aycinena Salazar, Luis.
Cerezo Dardón, Hugo.
Iriarte, Isidro M.
Salvador Imeri Mayorga, Fabián.

Asociación de Ingenieros y Arquitectos de Guatemala (*Association of Engineers*): Avenida Elena 14-45, zona 1; f. 1930; 184 mems.; Pres. Ing. Héctor David Torres; publ. *Ingeniería y Arquitectura.*

Instituto Centro Americano de Investigación y Tecnología Industrial (ICAITI) (*Central American Research Institute for Industry*): Apdo. 1552, Guatemala City; bibliographical centre since 1956; assists technological research of private industry and Governments of Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua and Panama.

Instituto de Antropología e Historia: Edificio 5 de "La Aurora"; f. 1946; library of 1,700 vols.; research on Middle-American archæology, ethnology, philology, and Spanish Colonial history; supervises archæological sites, monuments, and Indian villages and museums; Dir. Carlos Samayoa Chinchilla; publs. *Antropologíae Historia de Guatemala* (biannually); *Boletínes* (occasionally) and books on archæological and historical investigations (yearly).

Instituto Indigenista Nacional (*National Institute of Indian Affairs*) (*Ministerio de Educación Pública*): 6a Avenida 1-30, zona 2; f. 1945; library of 3,000 vols.; social research undertaken for the advice of the Government and private individuals on the improvement in economic conditions and the education of the Indians; affiliated to the Inter-American Indian Institute, Mexico; Dir. Jorge Luis Arriola; publs. *Boletín* (quarterly), *Guatemala Indígena* (quarterly), and special works.

Institute of Nutrition of Central America and Panama (*INCAP*): Carretera Roosevelt, Zona 11, Guatemala City; f. 1949; Dir. N. S. Scrimshaw, PH.D., M.D., M.P.H., regional office of the World Health Organisation; represents the following countries: Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama; Divisions of Clinical Investigation, Clinical Biochemistry, Agricultural and Food Chemistry, Pathology, Physiology, Country Services, Statistics, Library; publs. articles and translations, monthly nutrition education leaflets, Supplement to *Boletín* of the Pan American Sanitary Bureau.

Observatorio Nacional Meteorológico y Sismológico "La Aurora" (*National Meteorological and Seismological Observatory*): f. 1925; Dir. Claudio Urrutia Evans; publs. *Anales Meteorológicos, Resumen Anual Sismológico* (annually), *Resumen Mensual, Boletín Sismológico* (monthly), *Reporte Meteorológico* (daily).

Sociedad de Ciencias Naturales y Farmacia (*Society of Natural Science and Pharmacy*).

Sociedad de Geografía e Historia de Guatemala (*Geographical and Historical Society of Guatemala*): 3A Avenida No. 8-35, Guatemala City 1; f. 1923; library; 264 mems.; Pres. Lic. Ernesto Chinchilla Aguilar; publ. *Anales* (quarterly).

Sociedad Pro-Arte Musical (*Musical Society*): f. 1945; Pres. Sra. Julia F. de Foppa.

LIBRARIES

There are more than 100 libraries in Guatemala, over half of them in Guatemala City.

Guatemala City

Archivo Nacional de Guatemala (*National Archives*): foundation date unknown; installed in the Casa de la Moneda (The Mint) 1880; comprises two sections: La Colonia, with 8,427 files of 99,157 documents; La República, with 4,143 files of 92,933 documents relating to Guatemala, Chiapas, El Salvador, Honduras, Nicaragua and Costa Rica; Dir. Joaquín Pardo.

Biblioteca de la Corte Suprema de Justicia (*Library of the Supreme Court of Justice*) 9a Avenida 14-31, zona 1; f. 1881; 10,000 vols.; Dir. Alberto Luna Castellanos.

Biblioteca de la Tipografía Nacional (*Library of the Government Printers*): f. 1892; the greater part of the contents of the Library was destroyed by the earthquakes of 1917 and 1918; modern works printed by them now form the collection.

Biblioteca "José Batres Montufar": 12 Avda. Sur No. 1; f. 1921 by the Liberal Party; 15,984 vols., of which 7,099 scientific, 1,397 fiction, with 7,488 reviews and periodicals; open to the public; recently incorporated with the State library service; Librarian Br. Jorge Juárez Garcia.

Biblioteca Nacional de Guatemala: 10a Calle 9-31, Zona 1, entre 9a y 10a Avenidas; f. 1879 through an agreement between Guatemala and Chile that each should give to the other two copies of every printed book published in either country; the collections of the Sociedad Económica de Amigos del País were incorporated, and

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a Government decree of the same year provided that two copies of every book published in Guatemala should be given to the Library which was housed by the Society; opened to the public 1880, volumes now number 75,000; in 1881 the Society was dissolved. Contributions and legacies have enriched the collections, and the Government have recently purchased the valuable private library of Gilberto Valenzuela, which also included documents destined for the Archivo Nacional: Dir. BENJAMIN GODOY.

Biblioteca y Sala de Lectura de la Sociedad El Porvenir de los Obreros (*Library and Reading Room of the Workmen's Benefit Society*): Edificio Social, 2a Avda. Sur 13; f. 1896; 3,018 vols.; Dir. RICARDO DOMÍNGUEZ P.

Biblioteca del Instituto Guatemalteco-Americano: 13a Calle 2-52, Zona 1; f. 1945; 14,000 vols.; Librarian GONZALO DARDÓN CÓRDOVA.

Biblioteca del Banco de Guatemala: f. 1946; 25,000 vols.; Librarian ROSARIO DOMÍNGUEZ.

MUSEUMS

Museo Arqueológico Municipal de Chichicastenango: Chichicastenango; f. 1935; archæological objects of the Maya-Quiché culture; Dir. CARLOS H. MURALLES.

Museo Colonial (*Colonial Period Museum*): housed in the old San Carlos University building, 1670, Antigua Guatemala (*Old Guatema a*); f. 1936; 300 exhibits of period furniture, paintings, sculptures, etc.; Dir. HUMBERTO SANCHEZ.

Museo Nacional de Historia y Bellas Artes (*National Museum of History and Fine Arts*): Edificio No. 6, Parque Nacional La Aurora; f. 1935; 5,000 exhibits; painting, sculpture, furniture, engravings, numismatics, etc.; Dir. Prof. DANIEL CONTRERAS; publ. *Revista* (quarterly).

Museo Nacional de Arqueología y Etnología (*Archæological and Ethnographical Museum*): Edificio No. 5, La Aurora; f. 1931; library of 1,700 vols.; numerous and valuable objects in jade, ceramics and carved stone from Maya and Quiché tombs; other collections relating to the cultures of the ancient Indian races of Guatemala; first book with a printer's mark in the Western Hemisphere, 1571; Dir. ANTONIO TEJEDA FONSECA; publ. *Revista* (half-yearly).

UNIVERSITY

UNIVERSIDAD DE SAN CARLOS DE GUATEMALA
(San Carlos University of Guatemala)

CALLE 2A AV. SUR No. 12-40
APDO. 179, GUATEMALA CITY
Telephone: 5550

Founded 1676 by the Consejo Supremo de las Indias, established in its present form 1927, autonomous 1944.

Rector: Ing. JORGE ARIAS DE BLOIS.
Secretary-General: EDMUNDO VÁSQUEZ MARTÍNEZ.
Treasurer: JOAQUÍN MUÑOZ PERALTA.

Number of teachers: 420.
Number of students: 5,457.
Publication: *Boletín Universitario* (monthly).

DEANS:

Faculty of Medicine: ERNESTO ALARCÓN.
Faculty of Juridical and Social Sciences: JULIO CÉSAR MÉNDEZ MONTENEGRO.
Faculty of Engineering: Ing. JORGE ERDMENGER.
Faculty of Humanities: JOSÉ MATA GAVIDIA.
Faculty of Odontology: JORGE BRAHAM.
Faculty of Economics: GABRIEL ORELLANA.
Faculty of Chemistry and Pharmacy: LUIS A. CARRILLO.
Faculty of Agronomy: MARCO TULIO URIZAR.
Faculty of Veterinary Medicine: FRANCISCO R. RHODAS.
Faculty of Architecture: ROBERTO AYCINENA.

As no professor list has been received this year or last from the Universidad de San Carlos de Guatemala, the list has been deleted from the present edition.

AFFILIATED SCHOOLS AND INSTITUTES:

Escuela de Ciencias Económicas de Occidente (*School of Economics*): Dir. Lic. JOSÉ GUILLÉN VILLALOBOS.

Escuela de Ciencias Jurídicas y Sociales de Occidente (*School of Juridical and Social Sciences*): Dir. Lic. HERNÁN-HURTADO AGUILAR.

Escuela de Periodismo (*School of Journalism*).

Departamento de Artes Teatrales (*Department of Theatrical Art*).

SCHOOL OF MUSIC

Conservatorio Nacional de Musica (*National Academy of Music*): f. 1880; oldest in Central America; 36 teaching personnel; 700 students; library of 900 vols.; Dir. ERNESTO J. ALBERTO MENDOZA.

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GUINEA

Population 2,726,868

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institut National de Recherches et de Documentation: B.P. 561, Conakry; f. 1958; formerly the Guinea branch of the Institut Français d'Afrique Noire; administers the National Archives, the National Library and Museum and the Mt. Nimba National Reserve; Dir. CHAIKHOU BALDE; publs. *Recherches Africaines* (quarterly), *Cahiers, No. 1 Inventaires des Archives.*

Institut de Recherches Fruitières: Kindia.

Institut Pasteur: Kindia.

U.S. Information Center: Catholic Mission Building, 6th Avenue, Conakry.

LIBRARIES

Bibliothèque Nationale: Conakry; f. 1960; 20,000 vols.; Librarian Mrs. LALANDE ISNARD, M.A., DIP.LIB.

Archives Nationales: Conakry; f. 1960; Archivist MARIUS SINKOUN.

MUSEUMS

Musée National: Conakry; f. 1960; Curator MAMADOU SAMPIL.

Mount Nimba National Reserve: nature reserve for wild animals.

UNIVERSITY

Université de la Guinée et du Mali. Under the programme for the development of higher education in Africa, worked out at the Tananarive (Madagascar) Conference in September 1962, plans were made for the establishment of the Université de la Guinée et du Mali. When established, the science faculties will be at Conakry, Guinea, and the arts faculties at Bamako in Mali.

COLLEGE

Institut Polytechnique: Conakry; f. 1963; 1,600 students; the buildings will include a conference hall to seat 700, a library to house 15,000 books and an indoor stadium to hold 25,000 people; there are four faculties: building construction, mechanical engineering, geology and agronomy.

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HAITI

Population 3,700,000

LEARNED SOCIETIES

Alliance Française: Port-au-Prince; Pres. DOMINIQUE HIPPOLYTE.

Le Bibliophile: Port-au-Prince; Pres. A. BERNARDIN.

Le Bibliophile: Cap Haïtien; f. 1923 to extend and increase knowledge of world literature and love of good books; 28 mems.; Pres. SILVIO FASCHI; Sec. LOUIS TOUSSAINT; publs. *La Citadelle* (weekly), *Stella* (monthly).

Bureau d'Ethnologie: Place des Héros de l'Indépendance Port-au-Prince; f. 1941; Departments: African-Haitian Ethnography, pre-Columbus Archæology; Dir.-Gen. EMMANUEL C. PAUL; Hon. Dir. Dr. FRANÇOIS DUVALIER; Sec.-Gen. and Asst. in the Archæological Section JACQUES M. ORIOL; Hon. Dir. and Asst. in the Africo-Haitian Ethnographical Section GERSON ALEXIS; publ. *Bulletin* (quarterly).

Institut d'Ethnologie d'Haïti: Rue Capois, Port-au-Prince; f. 1941; Dir. LOUIS MARS; Sec. MAURICE DIEUDONNE.

Institut Français d'Haïti: Cité de l'Exposition, P.O. Box 131, Port-au-Prince; f. 1945; 735 mems.; library of 25,500 vols.; Dir. F. MARTIN; publ. bi-monthly journal *Conjonction.*

Institut Haïtiano-Américain: Port-au-Prince; f. 1942; 470 mems.; library of 5,000 vols.; Executive Sec. Dr. JOHN P. WONDER; publ. *Liaison* (monthly).

Institut Mopique: Rue Mgr. Guilloux, Port-au-Prince; f. 1948; Pres. RODRIGUE CASIMIR.

Société Bolivarienne d'Haïti: Port-au-Prince; f. 1939; Pres VICTOR GAUVIN; Secs. SERGE CORVINGTON, E. BELLAROLE.

Société des "Amis du Roi": Port-au-Prince; Pres. M. ZEPHIRIN; Sec. ERNEST TROUILLOT.

Société d'Etudes Scientifiques: Port-au-Prince; f. 1937; Pres. CAMILLE HÉRISSON.

Société Haïtiano-Cubaine: Port-au-Prince; Pres. R. CAMILLE.

Société Haïtienne des Lettres et des Arts: Port-au-Prince; Pres. (Vacant)

Société Haïtiano-Mexicaine: Port-au-Prince; Pres. ANDRÉ MONPLAISIR.

Société d'Histoire et de Géographie: Port-au-Prince; f. 1923; Pres. Dr. PRICE MARS.

Union Culturelle Haitienne: Port-au-Prince; Pres. COLBERT BONHOMME; Sec. DIEUDONNÉ LUBIN.

LIBRARIES

Bibliothèque Nationale d'Haïti: rue Hammerton Killick-Port-au-Prince; f. 1940; 19,000 vols.; Dir. Mde. MAX ROSALIE ADOLPHE.

Bibliothèque du Petit Séminaire: Port-au-Prince.

Bibliothèque Saint Louis de Gonzague: Port-au-Prince.

Centre of Documentation: Port-au-Prince; f. 1960; UNESCO aided; library; educational training for librarians; publ. *Review* (for teachers).

MUSEUMS

Musée National: Port-au-Prince; f. 1932; Dir. GÉRARD M. LAURENT.

Musée du Peuple Haïtien: Cité de l'Exposition, Port-au-Prince; f. 1949; Dir. MICHELSON HIPPOLYTE.

Le Centre d'Art: Rue de la Revolution, Port-au-Prince; f. 1944; Dir. DEWITT PETERS; arranges representative exhibitions in the Americas and Western Europe.

UNIVERSITY

UNIVERSITÉ D'HAITI

PLACE DES HÉROS DE L'INDEPENDENCE, PORT AU PRINCE

Rector: Dr. CLOVIS KERNISAN.
Secretary General: CHARLES A. AUGUSTE.
Librarian: JEAN L. FAUBLAS.

The library contains 7,000 volumes.
Number of teachers: 135.
Number of students: 963.

DEANS:

Faculty of Law: CLOVIS KERNIZAN.
Faculty of Medicine: FRANCK BAZILE.
Faculty of Odontology: WEBER HYPPOLITE.

DIRECTORS:

Ecole Normale Supérieure: PRADEL POMPILUS.
National School of Agriculture: FREDERIC KEBREAU.
School of Land Survey: LOUIS ED. ABRAHAM.
Ecole Polytechnique (Engineering): MAURICE LATORTUE.

As no professor list has been received this year or last from the Université d'Haiti, the list has been deleted from the present edition.

COLLEGES

Ecole Polytechnique d'Haïti: Port-au-Prince; f. 1947; Dean MAURICE LATORTUE.

Ecole Libre de Droit: Cap Haïtien; Dir. V. LECONTE.

Ecole Libre de Droit de Cayes: Cayes.

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HONDURAS

Population 1,892,991

ACADEMY

Academia Hondureña (Honduran Academy): Tegucigalpa; 18th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.

Director: Carlos M. Gálvez.
Vice-Director and Treasurer: Luis Landa.
Secretary: Jorge Fidel Durón.
Assistant Secretary: Eufemiano Claros.
Librarian: Miguel A. Navarro.
Administrator: Juan B. Valladares.

Members (by seniority):

Alvarado, Martín
Zúñiga, Luis Andrés.
Arriagá, Alejandro Alfaro.
Murillo Soto, Céleo.
Ochoa Alcantara, Antonio.
Bonilla, Joaquín.
Aguilar Paz, Jesús.
Palacios, Julio César.
Cáceres Lara, Víctor.
Cruz, Ramón E.
Gálvez, Vigilio R.

LEARNED SOCIETIES

Instituto Hondureño de Cultura Interamericana: Avenida Paulino Valladares, Tegucigalpa; f. 1939; 195 active, 125 associate mems.; Dir. Dr. Malcolm D. McLean.

Instituto Hondureño de Historia: Tegucigalpa; f. 1948; Pres. José Reina Valenzuela.

Instituto Nacional de Antropología y Historia de Honduras: Comayagüela, D.C.; f. 1952; Dir. Jesús Nuñez Chinchilla; Sec. Alicia Magdalena Pedilla.

International P.E.N. Centre: Tegucigalpa.

Sociedad de Geografía y Historia de Honduras: Avenida Cervantes, Tegucigalpa; f. 1927; Pres. Estebán Guardiola C.; Sec. Juan Valladares R.

Sociedad de Filosofía y Estudios Sociológicos: Tegucigalpa.

LIBRARIES

Tegucigalpa

Archivo Nacional: 6a Ave. No. 118; f. 1904; 25,000 vols.; Dir. Lic. Ernesto Alvarado García.

Biblioteca Nacional de Honduras: 6a Ave. "Salvador Mendieta"; f. 1880; 37,515 vols.; Dir. Miguel Angel García.

Biblioteca del Escuela Agrícola Panamericana: Biblioteca "Wilson Popenoe", Apdo. 93; f. 1946; 8,000 vols.; Librarian Antonio Molina Rositto.

Biblioteca del Instituto Hondurñoe de Cultura Interamericana: Biblioteca "James G. Blaine", Apdo. No. 201; f. 1939; 7,500 vols.; Librarian Elizabeth W. Mayer.

Biblioteca del Ministerio de Relaciones Exteriores: f. 1913; 5,000 vols.; Dir. Ernesto Alvarado García.

Biblioteca del Universidad Nacional: Plaza de la Merced; f. 1848; 3,290 vols.; Librarian Francisco Lagos.

MUSEUM

Museo Nacional: Plaza Morazán, Tegucigalpa.

UNIVERSITY

UNIVERSIDAD DE HONDURAS

TEGUCIGALPA

Founded 1847.

Rector: Dr. Hernán Corrales Padilla.
Secretary-General: Roberto Suazo Tome.

Number of students: 1411.

Deans:

Faculty of Juridical and Social Sciences: Roberto Ramires.
Faculty of Medicine and Surgery: J. Adan Cueva.
Faculty of Physical and Mathematical Sciences: Luis S. Ulloa.
Faculty of Chemistry and Pharmacy: Ramón Vasquez Alvarado.
Faculty of Economics: Marcial Solis H.
Faculty of Odontology: Carlos Galeano H.

As no professor list has been received this year or last from the Universidad de Honduras, the list has been deleted from the present edition.

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HUNGARY

Population 10,065,000

ACADEMY

Magyar Tudományos Akadémia (*Hungarian Academy of Sciences*): Budapest, V. Roosevelt tér 9; Telephone: 113-400, and 126-777; f. 1825.
President: István Rusznyák.
Vice-Presidents: Gyula Hevesi, Lajos Jánossy, Lajos Ligeti, Rezsö Manninger, Károly Novobátzky.
General Secretary: Ferenc Erdei.
Deputy General Secretaries: Géza Bognár, Imre Szabó.
Presidium: Antal Babics, Ágoston Budó, Tibor Erdey-Grúz, Pál Gegesi Kiss, Sándor Geleji, Arpád Gerecs, László Mátrai, János Mócsy, Erik Molnár, István Sötér, F. Bruno Straub, Bence Szabolcsi, György Szigeti, Elemér Vadász.

Library: *see* page 554.

Publications: *Acta Linguistica, Acta Antiqua, Acta Orientalia, Acta Historica, Acta Historiae Artium, Acta Archæologica, Acta Physica, Acta Agronomica, Acta Veterinaria, Acta Medica, Acta Physiologica, Acta Technica, Acta Chimica, Acta Ethnographica, Acta Mathematica, Acta Biologica, Acta Botanica, Acta Litteraria, Acta Morphologica, Acta Microbiologica, Acta Zoologica, Acta Paediatrica, Acta Chirurgica, Acta Juridica, Acta Geologica, Studia Historica, Studia Slavica, Studia Musicologica, Studia Archaeologica, Magyar Tudományos Akadémia Osztályközleményei* (Bulletins of the Sections of the Academy, appearing in seven series), *Magyar Tudomany* (Official Gazette of the Academy).

SECTION I

Linguistic and Literary Sciences:

Honorary Members:

Kuo, Mo-Jo.
Steinitz, Wolfgang.

Ordinary Members:

Bárczi, Géza.
Beke, Ödön.
Fekete, Lajos.
Kniezsa, István.
Kodály, Zoltán.
Ligeti, Lajos.
Marót, Károly.
Németh, Gyula.
Ortutay, Gyula.
Pais, Dezső.
Szabolcsi, Bence.
Tolnai, Gábor.
Trencsényi-Waldapfel, Imre.
Waldapfel, Jozsef.

Corresponding Members:

Bóka, László.
Földessy, Gyula.
Hadrovics, László.
Kardos, László.
Kardos, Tibor.
Lakó, György.
Sötér, István.
Tamás, Lajos.

Foreign Members:

Collinder, Björn.
Köprülü, Fuad.
Meister, Richard.
Vilkuna, Kustaa.

SECTION II

Social and Historical Sciences:

Honorary Members:

Du Bois, William Edward Bourghardt.
Fedoseyev, Piotr Nikolayevich.
Varga, Jenö.

Ordinary Members:

Andics, Erzsébet.
Buza, László.
Ember, Győző.
Friss, István.
Lukács, György.
Mátrai, László.
Molnár, Erik.
Moravcsik, Gyula.
Nizsalovszky, Endre.
Révész, Imre.
Szabó, Imre.

Corresponding Members:

Eörsti, Gyula.
Fülep, Lajos.
Nemes, Dezsó.
Pach, Zsigmond Pál.
Szalai, Sándor.
Szászy, István.

Foreign Members:

Dabrowski, Jan.
Honkasalo, Brynolf.
Kelemen, Lajos.

SECTION III

Mathematical and Physical Sciences:

Honorary Members:

Bernal, John Desmond.
Bloihintzev, D. I.
Hertz, Gustav.
Infeld, Leopold.
Vinogradov, Ivan, Matvejics.

Ordinary Members:

Alexits, György.
Budó, Ágoston.
Erdös, Pál.
Gombás, Pál.
Gyulai, Zoltán.
Hajós, György.
Jánossy, Lajos
Kalmár, László.
Novobátzky, Károly.
Rédei, László.
Rényi, Alfréd.
Szökefalvy-Nagy, Béla.
Turán, Pál.

Corresponding Members:

Detre, László.
Fejes Tóth, László
Kónya, Albert.
Kovács, István.
Pál, Lénárd.
Szalay, Sándor.
Varga, Ottó.

Foreign Members:

Debye, Peter.
Kuratowski, Kasimierz.
Mazur, Stanislaw.
Raman, Chandrasakara Venkata.

SECTION IV

Agricultural Sciences:

Honorary Member:

Skryabin, Konstantin Ivanovich.

Ordinary Members:

Erdei, Ferenc.
Kotlán, Sándor.
Manninger, Rezsö.
Möcsy, János.
Schandl, József.
Somos, András.
Surányi, János

Corresponding Members:

Horn, Artur.
Máthé, Imre.
Obermayer, Ernö.
Porpáczy, Aladár.
Westsik, Vilmos.

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SECTION V

Medical Sciences:

HONORARY MEMBERS:

DEMBOWSKI, JAN.
FRIEDRICH, WALTER.
PALLADIN, ALEXANDR VLAGYIMIROVICS.
PARHON, CONSTANTIN I.
SERGEYEV, PIOTR GRIGORYEVICH.

ORDINARY MEMBERS:

BABICS, ANTAL.
GEGESI KISS, PÁL.
HAYNAL, IMRE.
ISSEKUTZ, BÉLA, Sen.
IVANOVICS, GYÖRGY.
JANCSÓ, MIKLÓS.
LISSÁK, KÁLMÁN
MISKOLCZY, DEZSŐ.
PETÉNYI, GÉZA.
RUSZNYÁK, ISTVÁN.

CORRESPONDING MEMBERS:

BALÓ, JÓZSEF.
GÖMÖRI, PÁL.
HARANGHY, LÁSZLÓ.
KELLNER, BÉLA.
KERPEL-FRONIUS, ÖDÖN.
KÖRNYEY, ISTVÁN
RADNÓT, MAGDA.
RAJKA, ÖDÖN.
SÓS, JÓZSEF.
WEISZFEILER, GYULA

FOREIGN MEMBER:

HADJIOLOFF, ASSÉNE.

SECTION VI

Technical Sciences:

HONORARY MEMBER:

ROMPE, ROBERT
SAMARIN, ALEXANDR MIHAYLOVICH.

ORDINARY MEMBERS:

BENEDIKT, OTTÓ.
BOGNÁR, GÉZA.
GELEJI, SÁNDOR.
HELLER, LÁSZLÓ.
HEVESI, GYULA.
MAJOR, MÁTÉ.
MIHAILICH, GYÖZÖ.
MILLNER, TIVADAR.
RATKOVSKZY, FEREC.
SZÁDECZKY-KARDOSS, ELEMÉR.
SZIGETI, GYÖRGY.
TÁRCZY-HORNOCH, ANTAL.
VADÁSZ, ELEMÉR.
VENDEL, MIKLÓS.
VENDL, ALADÁR.
VERŐ, JÓZSEF.
WINTER, ERNÖ.

CORRESPONDING MEMBERS:

BÁRÁNY, NÁNDOR.
BARTA, ISTVÁN.
BOGÁRDI, JÁNOS.
BORBÉLY, SAMU.
CSANÁDI, GYÖRGY.
EGYED LÁSZLÓ.
FONÓ, ALBERT.
GILLEMOT, LÁSZLÓ.
KOVÁCS, KÁROLY PÁL.
KOZMA, LÁSZLÓ.
LÉVAI, ANDRÁS
LISKA, JÓZSEF.
MOSONYI, EMIL.
OSZTROVSZKI, GYÖRGY.
RÁZSÓ, IMRE.
SEIDNER, MIHÁLY.
SZÉCHY, KÁROLY.
TARJÁN, GUSZTÁV.
ZAMBÓ, JÁNOS.

SECTION VII

Chemical Sciences:

HONORARY MEMBERS:

DUBINYIN, MIHAIL MIHAJLOVICS.
HEVESY, GYÖRGY.
HEYROVSKY, JAROSLAV.
NESMEYANOV, ALEXANDER NYIKOLAJEVICS.
RIENÄCKER, GÜNTHER.
SEMYONOV, N. N.
SORM, FRANTISEK.

ORDINARY MEMBERS:

BOGNÁR, REZSÖ.
BRUCKNER, GYÖZÖ.
CSÜRÖS, ZOLTÁN.
ERDEY, LÁSZLÓ.
ERDEY-GRÚZ, TIBOR.
FODOR, GÁBOR.
FREUND, MIHÁLY.
GERECS, ÁRPÁD.
KORACH, MÓR.
SCHAY, GÉZA.
SCHULEK, ELEMÉR.

CORRESPONDING MEMBERS:

CHOLNOKY, LÁSZLÓ.
FÖLDI, ZOLTÁN.
KISS, ÁRPÁD.
LENGYEL, BÉLA.
MÜLLER, SÁNDOR.
PROSZT, JÁNOS.
SZABÓ, ZOLTÁN.
VARGHA, LÁSZLÓ.

SECTION VIII

Biological Sciences

ORDINARY MEMBERS

ÁBRAHÁM, AMBRUS
ERNST, JENO.
SOÓ, REZSO.
STRAUB, F. BRUNO.
TÖRÖ, IMRE
ZIMMERMANN, AGOSTON.

CORRESPONDING MEMBERS

DUDICH, ENDRE.
KOLOSVÁRY, GÁBOR.
SZENTÁGOTHAI, JANOS.
ZOLYOMI, BÁLINT.

LEARNED SOCIETIES

"Kossuth-díj" Bizottság (*Committee for the Kossuth Prize*): Budapest V, Kossuth Lajos-tér 1-3; f. 1948.

President: GYULA KÁLLAI.

Vice-Presidents: ISTVÁN RUSZNYÁK, MIKLÓS AJTAI, ERIK MOLNÁR, PÁL ILKU.

Members are nominated by the Council of Ministers.

Müszaki és Természettudományi Egyesületek Szövetsége (*Federation of Technical and Scientific Societies of Hungary*): Budapest, V, Szabadságtér 17; f. 1948; Pres. GYULA HEVESI; Sec.-Gen. ENDRE VALKÓ; publs. *Müszaki Elet* (Technical Life), *Ipargazdaság* (Industrial Economy). There are twenty-five member societies, marked below with an asterisk:

AGRICULTURE

***Mezögazdasági- és Élelmiszeripari Tudományos Egyesület** (*Scientific Society of Hungarian Agricultural and Food Industries*): Budapest VI, Gorkij fasor 44; f. 1949; Sec. Dr. M. CZIBOR; publs. include: *Élelmezési Ipar* (Food Industries), *Cukoripar* (Sugar Industry), *Husipar* (Meat Industry), *Baromfiipar* (Poultry Industry).

***Magyar Agrártudományi Egyesulet** (*The Hungarian Society of Agricultural Sciences*): Budapest V, Szabadság-tér 17; f. 1951; Pres. GÁBOR PETÖHÁZI; Sec.-Gen. ISTVÁN TAMÁSSY; publ. *Agrártudomány* (Agricultural Science).

***Országos Erdészeti Egyesület** (*National Society of Forestry*): Budapest, V, Szabadság tér. 17, III 338; f. 1866; Pres. Dr. ANDRÁS MADAS; Sec.-Gen. Dr. EMIL SALI; publ. *Az Erdö* (Forest).

ARCHITECTURE

***Építöipari Tudományos Egyesület** (*Scientific Society of Building*): Budapest, V, Szabadság tér. 17; f. 1949; Pres. Prof. Dr. Ing, KORNÉL RADOS; Sec.-Gen. JÓZSEF KATONA; publs. *Magyar Építóipar* (Hungarian Building Industry), *Épületgépészet* (Sanitary Engineering).

***Szilikátipari Tudományos Egyesüllet** (*Society of the Silicate Industry*): Budapest, V. Szabadságtér 17; f. 1949; Pres. Dr. MÓR KORACH; Sec.-Gen. Dr. JÓZSEF TALABÉR; publ. *Építöanyag* (Building Material).

ARCHÆOLOGY, ANTIQUITIES

Magyar Régészeti, Müvészettörténeti és Éremtani Társulat (*Hungarian Society of Archæology, History of Fine Arts and Numismatics*): Budapest, XIV. Dózsa György-ut 41; Pres. ZOLTÁN OROSZLÁN; Vice-Pres. DÉNES RADOCSAY; Sec. GYULA SOÓS; publs. *Archaeológiai*

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Értesitö, Müvészettörténito, Értesitö Numizmatikai Közlöny, Érem.

THE ARTS

Magyar Müvészeti Tanács (*Hungarian Arts Council*): Budapest, V, Szent István-tér 15; f. 1945; Chair. Z. KODÁLY; Sec.-Gen. F. FARKAS.

Magyar Táncmüvészek Szövetsége (*Association of Hungarian Dancers*): Budapest, XIV, Népstadion út 97; f. 1954; Sec. GÉZA KÖRTVÉLYES.

Rippl-Rónai József Társaság (*József Rippl-Rónai Society*): Budapest, VII, Nagyatádi Szabó-utca 36; f. 1946; Chair. J. EGRY; Admin. Dir. G. BERON; Sec.-Gen. L. BÉNYI.

Színháztudományi Intézet (*Institute of Theatrical Sciences*): Budapest, I, Krisztina krt 57; Pres. FERENC HONT; controls the following institute:
National Historical Museum of the Hungarian Theatre.
Publs. *Théâtrum, Szinházi Tanúlmanyok, Szinháztörténeti Könvytar, Théâtre en Hongrie.*

ASTRONOMY

Uránia Bemutató Csillagvizsgáló (*Urania Observatory*): Budapest 1, Sánc-utca 3B; f. 1946; Dir. GYULA KULIN; 16-inch Nasmyth reflector; publ. *Csillagos Eq* (quarterly).

BIOLOGY, ENTOMOLOGY

***Magyar Biológiai Társaság** (*Hungarian Biological Society*): Budapest, f. 1952; Pres. AMBROSIUS ABRAHÁM; Sec.-Gen. ISTVÁN BOROS; publs. *Anthropológiai Közlemények, Állattani Közlemenyek, Biológiai Közlemenyek, Botanikai Közlemények.*

Magyar Biológiai Egyesület Botanikai Szakosztálya (*Botanical Department of the Hungarian Biological Society*): Budapest, VII, Gorkij-fasor 17-21; f. 1940, until 1952 the Hungarian Botanical Society; 200 mems.; Pres. Dr. Z. KÁRPÁTÍ; Sec. Dr. D. VÁGÚGFALVI; publs. *Botanikai Közlemenyek, Communicationes Sectionis Botanicae Societatis, Biologicae Hungariae.*

Magyar Rovartani Társaság (*Hungarian Society of Entomology*): Budapest, VIII, Baross-utca 13; f. 1910; Pres. A. SOÓS; Vice-Pres. E. DUDICH and L. MÓCZÁR; Sec. S. ENDRÖDY-YOUNGA; publs. *Rovartani Kozlemények* (*Folia Entomologica Hungarica ser. nov.*).

CHEMISTRY, HYDROLOGY, PHYSICS

***Eötvös Loránd Fizikai Társulat** (*The "Eötvös Loránd" Society of Physics*): Budapest, V, Szabadság tér 17; f. 1949; Pres. ZOLTÁN GYULAI; Sec.-Gen. GYÖRGY SZIGETI; publ. *Fizikai Szemle* (Physical Review).

***Magyar Geofizikusok Egyesülete** (*Association of Hungarian Geophysicists*): Budapest, V, Szabadság-tér 17; f. 1954; 450 mems.; Gen. Sec. KÁROLY SEBESTYÉN; publs *Geofizikai Közlemények, Magyar Geofizika.*

***Magyar Hidrologiai Társaság** (*Hungarian Hydrological Society*): Budapest, V, Szabadság-tér 17; f. 1927; Pres. FERENC PAPP; Sec.-Gen. DÉNES BÖZSÖNY; publ. *Hidrologiai Közlöny* (Journal of Hydrology).

***Magyar Kémikusok Egyesülete** (*Association of Hungarian Chemists*): Budapest, V, Szabadság-tér 17; f. 1907; Pres. GÉZA SCHAY; Sec.-Gen. MIKLÓS PREISICH; publs. *Magyar Kémikusok Lapja, Magyar Kémiai Folyóirat* (Chemical Review).

ECONOMICS, STATISTICS

Magyar Közgazdasági Társaság (*Hungarian Economic Association*): Budapest, II, Keleti Károly-utca 13A; f. 1894; Pres. A. EBER; Vice-Pres. F. HELLER; Sec. K. KÁDAS; publs. *Közgazdasági Szemle, Közgazdasági Könyvtár.*

EDUCATION, CULTURE

Institut Français: Szegfü-utca 6, Budapest VI; Dir. A. BEYER.

Istituto Italiano di Cultura: Bródy Sándor, utca, 8, Budapest; Dir. Prof. LUCIANO PERSELLI.

Kulturális Kapcsolatok Intézete (*Institute of Cultural Relations*): Budapest, V, Dorottya-utca 8; Pres. (Vacant).

Magyar Tudományos Ismeretterjesztö Társulat (*Society for Popularisation of Scientific Knowledge*): Budapest, VIII, Bródy Sándor u. 16; f. 1841; Pres. Dr. IMRE TÖRÖ; Gen. Sec. LÁSZLÓ NAGY; publs. *Elet és Tudomány* (Life and Science) (weekly, 185,000 copies), *Természettudomanyi Közlöny* (Bulletin of Natural Sciences) (monthly 15,000 copies), *Valóság* (Reality) (two monthly 8,000 copies), *Buvár* (Explorer) (quarterly 10,000 copies), *Elövilág* (The World Alive) (two-monthly 8,000 copies), *Müemlékvédelem* (Care of Ancient Monuments) (quarterly 3,600 copies), *Világosság* (Light) (monthly), *Borsodi Szemle* (Borsodi Review) (quarterly, 4,000 copies), *Jászkunság* (quarterly).

ETHNOGRAPHY, SOCIAL SCIENCES

Magyar Néprajzi Társaság (*Hungarian Ethnographical Society*): Budapest, VIII, Könyves Kálmán-körut 40; f. 1889; Pres. GYULA ORTUTAY; Vice-Pres. TIBOR BODROGI, BÉLA GUNDA, ISTVÁN TÁLASI; Sec,-Gen. JÁNOS KODOLÁNYI; publ. *Ethnographia.*

Népmüvelési Intézet (*Institute of Adult Education and Folk Art*): Budapest, I, Corvin tér 8; f. 1951; Dir. IMRE KISS.

Országos Néptanulmányi Egyesület (*Hungarian Society of Ethnology*): Budapest, VII, Elemér-utca 41.II.7; f. 1913; Pres. D. FOKOS-FUCHA; Vice-Pres. RUBINYI; Sec. L. GOMBOS; publ. *Magyar Nyelvör.*

GEOLOGY, GEOGRAPHY AND MINERALOGY

Magyar Földrajzi Társaság (*Hungarian Geographical Society*): Budapest, VI, Népköztársaság ut. 62; f. 1872, reorg. 1953; Pres. LADISLAS KÁDÁR; Gen. Sec. MARTIN PÉCSI; 2,500 mems.; publ. *Földrajzi Közlemények* (quarterly); library: see p. 551.

***Magyarhoni Földtani Társulat** (*Hungarian Geological Society*): Budapest, VIII, Muzeum-körut 4A; f. 1848; Hon. Pres. E. VADÁSZ; Pres. G. KERTAI; publ. *Földtani Közlöny.*

***Országos Magyar Bányászati és Kohászati Egyesület** (*Hungarian Mining and Metallurgical Association*): Budapest, V, Szabadság-tér 17; f. 1892; Pres. FERENC LÉVÁTDI; Gen. Sec. BÉZA SELMECZI; publs. *Bányászati Lapok* (Journal of Mining), *Kohászati Lapok* (Journal of Metallurgy), *Öntöde* (Foundry).

HISTORY AND LITERARY HISTORY

Magyar Irodalomtörténeti Társaság (*Society of Hungarian Literary History*) Budapest, V, Pesti Barnabás utca 1; f. 1912; Pres. GYULA FÖLDESSY; Gen. Sec. PÁL KARDOS; Scientific Sec. ANTAL WÉBER; publ. *Irodalomtörténet* (History of Literature).

Magyar Történelmi Társulat (*Hungarian Historical Society*): Budapest, I, Uri ut. 51-53; f. 1867; Pres. ERIK MOLNÁR; Vice-Pres. G. EMBER, Z. P. PACH, IMRE RÉVÉSZ; Gen. Sec. GYÖRGY SZÉKELY; publs. *Századok, Magyarország ujabbkori történetének forrásai* (*Fontes historiae Hungaricae aevi recentioris*).

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Literature, Linguistics

Batsányi János Irodalmi Társaság (*János Batsányi Literary Society*): Pécs, Apáca-utca 8; f. 1945; Pres. Endre Angyal.

La Fontaine Irodalmi Társaság (*La Fontaine Literary Society*): Budapest, VI, Jókai-tér 7; f. 1920; Hon. Pres. J. Heltai; Acting Chair. Nagy Lajos; Sec. Frure Bokor.

Magyar Irók Szövetsége (*Association of Hungarian Writers*); Budapest, VI, Bajza u. 18; f. 1945; Pres. J. Darvas.

Magyar Nyelvtudományi Társaság (*Hungarian Linguistic Society*): Budapest, V, Pesti Barnabás utca 1; f. 1904; Pres. Prof. Géza Bárczi.

Magyar P.E.N. Club (*Hungarian P.E.N. Club*): Budapest, Dorottya u. 8; Pres. István Sötér; Vice-Pres. Mózes Rubinyi; Gen. Sec. László Kéry.

Vajda János Társaság (*János Vajda Society*): Budapest, XII, Sallay 1, utca 26; f. 1926, reorganised 1947; Pres. I. Pál Vajda; Gen. Sec. A. Tiszay; Sec. M. Pándy.

Mathematics

***Bolyai János Matematikai Társulat** (*János Bolyai Mathematical Society*): Budapest, V, Szabadság tér 17; f. 1947; Pres. Pál Tuván; Exec. Vice-Pres. Alfréd Rényi; Gen. Sec. János Surányi publ. *Matematikai Lapok* (Mathematical Papers) (one vol. a year), and *Középiskolai Matematikai Lapok* (Mathematical Papers for Schools), two vols. a year.

Medicine, Pharmacy

Magyar Gyógyszerésztudományi Társaság (*Hungarian Society of Pharmaceutical Science*): Budapest, VIII, Ullöi-utca 26; f. 1922; Hon. Pres. Tibor Széki; Vice-Pres. S. Mozsonyi and E. Schulek; Gen. Sec. A. Végh; Sec. J. Halmai; publs. *Gyógyszerésztudományi Értesitó* (*Acta Pharmaceutica Hungarica*).

Meteorology

***Magyar Meteorológiai Társaság** (*Hungarian Meteorological Society*): Budapest, V, Szabadság tér 17; f. 1925; Pres. Dr. A. Hille; Vice-Pres. Dr. I. Kulin; Gen. Sec. J. Szakály.

Music

Magyar Zeneművészek Szövetsége (*Association of Hungarian Musicians*): Budapest, V, Semmelweis u. 1; f. 1949; Hon. Chair. Zoltán Kodály; Chair. Bence Szabolcsi; Sec.-Gen. Tibor Sarai; Sec. Magda Szávai.

Országos Magyar Cecilia Egyesület (*National Hungarian Cecilia Association*): Budapest, II, Mártirok-utja 64-B; f. 1897; Ecclesiastical Chair. L. Shvoy; Secular Chair. L. Bárdos; *c.* 2,000 mems.

Psychology

Magyar Individualpszichologiai Egyesület (*Hungarian Society of Individual Psychology*): Budapest, IV, Petőfi Sándor-utca 11; f. 1927; Pres. I. Maday; Sec. E. Biro-Graber.

Magyar Psychológiai Társaság (*Hungarian Psychological Society*): Budapest, II, Pengő-utca 5; f. 1928; Pres. (Vacant).

Technology

***Bőripari Tudományos Egyesület** (*Scientific Society of Leather Processing*): Budapest, V, Szabadság tér 17; f. 1930; Pres. István Fehér; Sec.-Gen. Péter Weitzner; publ. *Bör és Cipötechnika* (Leatherware).

***Energiagazdálkodási Tudományos Egyesület** (*Society for the Distribution and Use of Electrical Energy*): Budapest, V, Szabadság tér 17; f. 1949; Pres. Ferenc Váły; Sec.-Gen. István Varga; publ. *Energia es Atomtechnika* (Energy Economy and Atomic Technics).

***Faipari Tudományos Egyesület** (*Scientific Society of the Timber Industry*): Budapest, V, Reáltanoda utca 13-15; f. 1950; Pres. János Villám; Sec.-Gen. László Somogyi; publ. *Faipar* (Timber Industry).

***Gépipari Tudományos Egyesület** (*Society of Mechanical Engineering*): Budapest, V, Szabadság tér 17; f. 1949; Pres. Prof. Dr. Ing. József Varga; Sec.-Gen. Ing. Ödön Gál; publs. *Gép* (Machinery), *Jármüvek Mezögazdasági Gépek* (Vehicles and Agricultural Machines), *Gépgyártás Technologia* (Machine Production Technology).

***Hiradástechnikai Tudományos Egyesület** (*Scientific Society of Telecommunication*): Budapest, V, Szabadság tér 17 III 377; f. 1949; Pres. Dr. István Barta; Gen. Sec. Miklos Izsák; publ. *Hiradástechnika* (Communication).

Közlekedéstudományi Egyesület (*Scientific Assen. of Communications and Civil Engineering*): Budapest, V. Szabadság tér 17/3; f. 1949; Pres. Dr. György Csanádi; Sec.-Gen. Károly Rödönyi; publs. *Közlekedéstudományi Szemle* (Communications Review), *Melyépitéstudományi Szemle* (Civil Engineering Review).

***Magyar Elektrotechnikai Egyesület** (*Hungarian Electrotechnical Association*): Budapest, V, Szabadság tér 17; f. 1900; Pres. Árpád Kiss; Gen. Sec. Sándor Szepessy; publs. *Elektrotechnika* (Electrotechnical Transactions), *Villamosság* (Electrotechnical Practices).

***Méréstechnikai és Automatizálási Tudományos Egyesület:** (*Scientific Society for Measurement and Automation*): Budapest, V, Szabadság tér 17; f. 1952; Gen. Sec. Prof. A. Frigyes; publ. *Mérés és Automatika* (Measurement and Automation).

***Optikai, Akusztikai és Filmtechnikai Egyesület** (*Society of Optics, Acoustics and Cinematography*): Budapest, V, Szabadság tér 17; Pres. J. Molnar; Sec.-Gen. T. Barna; publs. *Kép és Hangtechnika* (Cinematography and Optics), *Finommechanika* (Precision Mechanics).

Papir- és Nyomdaipari Muszaki Egyesület (*Technical Association of the Paper and Printing Industries*): Budapest, V, Szabadság tér 17; f. 1949; Pres. László Földi; Sec.-Gen. Péter Gáti; publ. *Papiripar és Magyar Grafika* (Paper Industry and Hungarian Graphics).

***Textilipari Müszaki és Tudományos Egyesület** (*Hungarian Society for Textile Technology*): Budapest, V, Szabadság tér 17; f. 1948; Gen. Sec. Füsti Pál; publs. *Magyar Textiltechnika* (Hungarian Textile Processing), *Textilipari Tervgazdaság* (Planned Economy in the Textile Industry).

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RESEARCH INSTITUTES

Agriculture

Magyar Tudományos Akadémia Talajtani és Agrokémiai Kutató Intézete (*Research Institute of Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences*): Budapest, II, Herman Ottó ut. 15; f. 1949; research in soil physics, chemistry, genesis, geography and cartography, reclamation, conservation, fertilisation, plant physiology and biochemistry, soil microbiology; isotope laboratory; library of 11,516 vols.; Dir. Dr. I. Szabolcs; publ. *Agrokémia és Talajtan* (Agrochemistry and Soil Science).

Magyar Tudományos Akadémia Állategészségügyi Kutató Intézete (*Veterinary Medical Research Institute of the Hungarian Academy of Sciences*): Budapest, XIV, Hungáriakörút 21; f. 1949; research in infectious and parasitic diseases of domestic animals; library of 2,816 vols.; Dir. János Mészáros.

Magyar Tudományos Akadémia Mezögazdasági Kutató Intézete (*Agricultural Research Institute of the Hungarian Academy of Sciences*): Martonvásár, Fejér megye; f. 1949; research in problems of plant genetics, plant physiology, plant breeding and plant cultivation; library of 11,000 vols.; Dir. Dr. Sandor Rajki.

Magyar Tudományos Akadémia Talajbiológiai Kutató Laboratóriuma (*Research Laboratory for Soil Biology of the Hungarian Academy of Sciences*): Sopron; f. 1952; library of 640 vols.; Dir. Dr. Lajos Varga.

Növényvédelmi Kutató Intézet (*Hungarian Research Institute for Plant Protection*): Budapest II, Herman Ottó-utca 15; f. 1880, reorganised 1950; 74 mems.; library of 4,845 vols.; Dir. Dr. G. Ubrizsy; publs. *Növényvédelmi Kutató Intézet Évkönyve* (Year-book); each section publishes its own reports.

Országos Állatélettani és Takarmányozási Kisérleti Intézet (*Hungarian Research Station for Animal Physiology and Nutrition*): Budapest, II, Kitaibel Pál-utca 4; f. 1896; Acting Chief Harald Tangl.

Országos Gyapju- és Selyemminősitő Intézet (*National Institute for Grading of Wool and Silk*): Budapest, II, Kitaibel Pál-utca 1; f. 1898; Dir. József Schandl.

Országos Vetómagfelügyelőség Intézet (*Hungarian Seed-Testing Institute*): Budapest, II, Kis Rókus-utca 15A; f. 1881; Head of the Institute László Nagy.

Szőlészeti Kutató Intézet (*Institute for Research in Vine Growing*): Budapest, II, Herman Ottó-út. 15; f. 1896; Dir. J. Katona; Section Chiefs A. Asvány, L. Borbás; publs. *Szőlészeti Kutató Intézet Évkönyve* (*Annales de l'Institut Ampélologique*).

Tejgazdasági Kisérleti Intézet (*Hungarian Dairy Experimental Institute*): Mosonmagyarovár, Lucsony utca; f. 1903; Dir. Dr. Ferenc Ketting; Dep. Chief Dr. Gabor Pulay.

Vizgazdálkodási Tudományos Kutató Intézet (*Research Institute for Water Resources*): Budapest, VIII, Rákóczi út 41; Dir. Károly Stelczer.

Biology and Medical Sciences

Hungarian National Cancer Institute: Budapest, XII, Ráthe György ú. 5 sz.; Dir. Dr. J. Vikol.

Magyar Tudományos Akadémia Biokémiai Intézete (*Biochemical Institute of the Hungarian Academy of Sciences*): Budapest, XI, Karolina ut 29; research into the relation between the structure and biological function of proteins; library of 4,100 vols.; Dir. Dr. F. Bruno Straub.

Magyar Tudományos Akadémia Botanikai Kutató Intézete és Botanikus Kertje (*Botanical Research Institute and Botanic Garden of the Hungarian Academy of Sciences*): Vácrátot; theoretical and experimental research; library of 1,450 vols.; Dir. Dr. Bálint Zólyomi.

Magyar Tudományos Akadémia Genetikai Intézete (*Institute of Genetics of the Hungarian Academy of Sciences*): Budapest, II, Herman Ottó-ut 15; f. 1940; plant and microbial genetics; library of 1,669 vols.; Dir. Dr. Barna Györffy.

Magyar Tudományos Akadémia Gyermeklélektani Intézete (*Institute of Child Psychology of the Hungarian Academy of Sciences*): Budapest. VI, Szondy-utca 83-85; f. 1902; library of 8,450 vols.; Dir. Dr. Lajos Bartha.

Magyar Tudományos Akadémia Kisérleti Orvostudomanyi Kutató Intézete (*Institute of Experimental Medicine of the Hungarian Academy of Sciences*): Budapest, VIII, Szigony u. 43; f. 1952; research work in experimental morphology, pathophysiology, pharmacology, etc.; library of 5,000 vols.

Magyar Tudományos Akadémia Tihanyi Biológiai Kutató Intézete (*The Biological Research Institute of the Hungarian Academy of Sciences*): Tihany; f. 1926; research particularly in experimental biology, hydrobiology, plant physiology and experimental zoology; library of 33,334 vols.; Dir. Dr. Béla Entz; publ. *Annales Instituti Biologici* (*Tihany*) *Hungaricae Academiae Scientarum.*

National Oncological Institute of Hungary: Budapest; f. 1950; Dir. J. Vikol; Sci. Dir. Prof. Dr. B. Wald.

Országos Orvostudományi Könyvtar és Dokumentációs Központ (*Hungarian Medical Library and Documentation Centre*): Budapest, VIII, Szentkirályi-utca 21; centre for medical libraries and documentation; Hungarian and foreign medical and biological literature documented, and medical bibliographies and reviews compiled; library of 6,000 vols.; Dir. Dr. S. Székely; publs. *Hungarian Medical Bibliography* (quarterly; English and Russian editions yearly), *Medical Librarian* (quarterly), Horus (medical documentation, in periodical *Orvosi Hetilap*).

State Institute of Hygiene: Budapest, IX, Gyáli-utca 4; f. 1927; library of 20,000 vols.; Dir. Dr. T. Bakács.

Chemistry, Physics and Mathematics

Magyar Állami Eötvös Loránd Geofizikai Intézet (*Loránd Eötvös State Geophysical Institute*): Budapest, XIV, Népstadion ut. 99; f. 1919; Dir. Joseph Fülöp; Deputy Dir. Ferenc Honfi; library of 8,000 vols.; publ. *Geofizikai Kozlemények*; attached to the Institute:

Geomagnetic Observatory: Lake Balaton, Tihany; f. 1954; Dir. György Barta.

Magyar Tudományos Akadémia Matematikai Kutató Intézete (*Mathematical Institute of the Hungarian Academy of Sciences*): Budapest, V, Reáltanoda u. 13-15; f. 1950; research in fields of pure and applied mathematics; Dir. Dr. Alfréd Rényi; publs. *Publications of the Mathematical Institute of the H.A.S.*

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Magyar Tudományos Akadémia Atommag Kutató Intézete (*Institute of Nuclear Research of the Hungarian Academy of Sciences*): Debrecen, Bem-tér 18/c; f. 1954; basic research in low-energy nuclear reactions and nuclear spectroscopy, applications of neclur methods in other sciences, geo-chemistry of uranium; Dir. Dr. ALEXANDER SZALAY; publ. *Atomki Közlemények*.

Magyar Tudományos Akadémia Elméleti Fizikai Kutató Csoportja (*Research Group for Theoretical Physics, The Hungarian Academy of Sciences*): Budapest, XI, Budafoki-ut. 8; f. 1954; researches particularly in many-body problem; Dir. Prof. Dr. PÁL GOMBÁS.

Magyar Tudományos Akadémia Geodéziai Kutató Laboratóriuma (*Geodetical Research Laboratory of the Hungarian Academy of Sciences* Sopron, Múzeum utca 6; f. 1955; research in advanced problems of geodesy; Dir. Dr. Ing. h.c. ANTAL TÁRCZY-HORNOCH.

Magyar Tudományos Akadémia Geofizikai Kutató Laboratóriuma (*Geophysical Research Laboratory of the Hungarian Academy of Sciences*): Sopron, Múzeum utca 6; f. 1955; research in general and applied geophysics; observations and study of the variations in the electromagnetic field of the earth; Dir. Dr. Ing. h.c. Dr. A. TARCZY-HORNOCH.

Magyar Tudományos Akadémia Geokémiai Kutató Laboratóriuma (*Geochemical Research Laboratory of the Hungarian Academy of Sciences*): Budapest, VIII, Muzeum-körút 4/a; f. 1955; research in the problems of geochemistry and petrology, with particular regard to migration of elements in the mineral resources in Hungary; Dir. Dr. ELEMÉR SZÁDECZKY-KARDOSS.

Magyar Tudományos Akadémia Fizika Kutató Intézete (*Central Institute of Physical Research of the Hungarian Academy of Sciences*): Budapest, Konkoly-Thege-ut., f. 1950; comprises cosmic ray, physical optics, nuclear physics, reactor physics, solid state physics, and radiochemistry laboratories; library of 20,000 vols.; Dir. Dr. LAJOS JÁNOSSY; publ. *Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei*.

Magyar Tudományos Akadémia Számitástechnikai Központja (*Computing Centre of the Hungarian Academy of Sciences*): Budapest, V, Nádor-u. 7; f. 1956; Dir. TAMÁS FREY (acting).

Magyar Tudományos Akadémia Központi Kémiai Kutató Intézete (*Central Institute of Chemical Research of the Hungarian Academy of Sciences*): Budapest, XIV, Hungária-körút 114; library of 3,000 vols.; Dir. Dr. GÉZA SCHAY.

Magyar Tudományos Akadémia Müszaki Fizikai Kutató Intézete (*Research Institute for Technical Physics of the Hungarian Academy of Sciences*): Budapest, 114, Pf. 1; f. 1958; fundamental research in the field of technical physics; library of 5,000 vols.; Dir. Dr. GYÖRGY SZIGETI.

Magyar Tudományos Akadémia Sztereokémiai Kutató Csoportja (*Stereochemical Research Laboratory of the Hungarian Academy of Sciences*): Budapest, X, Gém-u. 3; f. 1958; Dir. GÁBOR FODOR.

Nehézvegyipari Kutató Intézet (*Research Institute for Heavy Chemical Industries*): Veszprém, Wartha Vince-u. 1-3; f. 1949; applied research in inorganic chemistry, agricultural chemistry, automation and corrosion; Dir. GYÖRGY KORÁNYI; library of 14,000 vols.; publs. *A Nehézvegyipari Kutató Intézet Közleményei* (Communications of the Research Institute) (annually); Documentation Section, Budapest, XI, Budafoki-ut 15.

GEOGRAPHY, GEOLOGY AND METEOROLOGY

Magyar Allami Földtani Intézet (*Hungarian State Geological Institute*): Budapest, XIV, Népstadion út, f. 1869; library of 130,000 vols.; Dir. J. FÜLÖP; publs. *Évi Jelentés* (Annual Report), *Evkönyv* (Yearbook), *Geologica Hungarica: (a) Series Geologica, (b) Series Palaeontologica*.

Magyar Országos Meteorológiai Intézet (*Hungarian Institute of Meteorology*): Budapest, II, Kitaibel Pál-utca 1 (P.O. Box 114); f. 1870; library of 15,700 vols.; Dir. Dr. Prof. FRIGYES DÉSI; Deputy Dir. Dr. ALFRED ZÁCH; publs. *Időjárási Napijelentés* (Daily Synoptic Map), *Időjárási Jelentés Magyarországrol* (Monthly Weather Report of Hungary), *Az Országos Meteorológiai Intézet Évkönyvei* (Yearbooks of the Central Institute of Meteorology), *Az Országos Meteorológiai Intézet "Marczell György Aerológiai Obszervatóriumának Évkönyvei* (Year books of the Aerological Observatory "Marczell Gyrögy" of the Central Institute of Meteorology), *Ionoszféra Jelentés* (Ionospheric Data), *Magyarország Éghajlata* (The Climate of Hungary), *Időjárás* (The Weather).

Magyar Tudományos Akadémia Földrajztudományi Kutatócsoport (*Institute of Geography, Hungarian Academy of Sciences*): Budapest, VI, Népköztársaság utca 62; f. 1950, re-org. 1952; research in physical and economic geography; library of 70,000 vols. and maps; Dir. Prof. BÉLA BULLA; publs. *Földrajzi Értesitö* (quarterly).

LANGUAGE, LITERATURE AND MUSIC

Magyar Tudományos Akadémia Irodalomtörténeti Intézete (*Institute of the History of Literature of the Hungarian Academy of Sciences*): Budapest, XI, Ménesi-ut 11-13; f. 1955; research in Hungarian and world literature; library of 95,000 vols.; Dir. Prof. ISTVÁN SÖTÉR; publs. *Irodalomtörténeti Közlemények, Világirodalmi Figyelö* (periodicals), *Irodalomtörténeti Füzetek* (Essays in Literary History), *Irodalomtörténeti Könyvtár* (Monographs in Literary History), *Irodalom és Szocializmus* (Literature and Socialism), *Fontes* (Sources of Literary History), *Bibliotheca Antiqua Hungarica* (Facsimile Edition), *Az irodalomelmélet klasszikusai* (The Classics of Literary Theory), Critical Edition of Hungarian Classics.

Magyar Tudományos Akadémia Népzenekutató Csoport (*Folk Music Department of the Hungarian Academy of Sciences*): Budapest, V, Roosevelt tér 9; f. 1953; collects and publishes Hungarian folk music; library of 2,500 vols., 40,000 recorded melodies; Dir. Dr. ZOLTÁN KODÁLY; publ. *Corpus Musicae Popularis Hungaricae, Follemusic Library*, etc.

Magyar Tudományos Akadémia Nyelvtudományi Intézete (*Institute of Linguistics of the Hungarian Academy of Sciences*): Budapest, V, Szalay-utca 10; f. 1950; library of 21,000 vols.; Dir. Dr. GYULA NÉMETH.

OBSERVATORIES

Haynald-Observatorium (*Haynald Observatory*): Kalocsa, Szent Hunyadi Janos-u. 23-25; f. 1878; publ. *A Haynald-Observatorium Közleményei*.

Konkoly-Alapitványi Akadémiai Csillagvizsgáló Intézet (*Konkoly Observatory of the Hungarian Academy of Sciences*): Budapest, XII, Szabadsághegy, Konkoly Thege Miklós-utca 13-17; f. 1899; Dir. LÁSZLÓ DETRE; publ. *Mitteilungen der Sternwarte Budapest-Szabadsághegy*.

Magyar Tudományos Akadémia Napfizikai Obszervatoriuma (*Solar Physics Observatory of the Hungarian Academy of Sciences*): Debrecen; f. 1958; Dir. LORÁNT DEZSÖ.

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ORNITHOLOGY

Magyar Madártani Intézet (*Hungarian Institute of Ornithology*): Budapest, II, Garas-utca 14; f. 1893; Acting Dir. ALBERT VERTSE; library; publ. *Aquila* (Yearbook).

POLITICAL, ECONOMIC AND HISTORICAL SCIENCES

Magyar Tudományos Akadémia Allam- és Jogtudományi Intézete (*Institute of Legal and Political Sciences of the Hungarian Academy of Sciences*): Budapest, V, Szemere-utca 10; f. 1949; departments of jurisprudence, constitional and administrative law, civil law, criminal law, documentation; library of 18,000 vols.; Dir. Dr. IMRE SZABÓ.

Magyar Tudományos Akadémia Dunántuli Tudományos Intézete (*West Hungarian Research Institute of the Hungarian Academy of Sciences*): Pécs, Kulich-utca 22; f. 1943; research into geography, ethnography, and history; library of 15,000 vols.; Dir. PÁL ZOLTÁN SZABÓ; publ. *Dunántuli Tudományos Gyüjtemény, Ertekezések.*

Magyar Tudományos Akadémia Filozófiai Intézete (*Institute for Philosophy*): Budapest, V, Nádor-utca 18; f. 1957 for research into problems of dialectical and historical materialism; Dir. JÓZSEF SZIGETI; publ. *Filozófiai Szemle* (Review of Philosophy).

Magyar Tudományos Akadémia Közgazdaságtudományi Intézete (*Institute of Economics of the Hungarian Academy of Sciences*): Budapest, V, Nádor-utca 7; f. 1954; research in the economic problems of modern capitalism and the transition from a capitalist to a socialist system; library of 20,000 vols.; Dir. Dr. ISTVÁN FRISS; publ. *Közgazdasági Szemle* (Economic Review, monthly, with English and Russian summaries), *Yearbook of the Institute of Economics, Bulletin of the Institute of Economics.*

Magyar Tudományos Akadémia Régészeti Kutató Csoportja (*Research Group for Archaeology of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 49; f. 1958; Dir. LÁSZLÓ GEREVICH.

Magyar Tudományos Akadémia Történettudományi Intézete (*Institute of Historical Science of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 53; departments of Hungarian history, world history (history of the Soviet Union, People's Democracies, capitalist countries, the labour movement), documentation and bibliography; library of 61,000 vols.; Dir. ERIK MOLNÁR; Vice-Dir. GYÖRGY RÁNKI; publ. *Történelmi Szemle.*

TECHNOLOGY

Nyomdaipari Kisérleti Uzem és Laboratorium (*Experimental Plant and Laboratory of the Printing Industry*): Budapest, V, Reáltanoda u. 5; f. 1949; Dir. KÁLMÁN LOVÁSZ; publ. *Bulletin.*

Papíripari Kutatóintézet (*Research Institute of the Paper Industry*): Budapest, XXI, Duna u. 57; f. 1949; Dir. Dr. GYÖRGY VÁMOS; publ. *Bulletin.*

Optical and Fine Mechanics Research Laboratory: Budapest, XI, Féhérvari utca 81.

LIBRARIES AND ARCHIVES

Army Archives and War History Museum: Budapest, I, Tóth Arpád Sekany 40.

Budapesti Orvostudományi Egyetem Könyvtára (*Library of the Medical University of Budapest*): Budapest, VIII, Ullöi ut 26; f. 1828; 310,000 vols.; Dir. Prof. Dr. ENDRE RÉTI.

Central Library of the Technical University of Heavy Industry: Miskolc; 170,000 vols.; Chief Librarian Dr. JÓZSEF ZSIDAL.

Egyetemi Földrajzi Tanzéket és Könyvtár (*Library of the Geographical Institute of the Lorand Eötvös University*): Budapest, VIII. Muzeum-körut 6-8; f. 1869; 37,000 vols.

Eötvös Loránd Tudományegyetem Könyvtára (*University Library*): Budapest, V, Károlyi-u. 10; f. 1635; 1,080,529 vols., 189 codices, 1,114 incunabula, 2,583 old Hungarian printed works (to 1711). Dir. Dr. Phil. LÁSZLÓ MÁTRAI.

Erdészeti és Faipari Egyetem Központi Könyvtára (*Central Library of the University of Forestry and of the Timber Industry*): Sopron, Bajcsy-Zsilinszky-utca 4; f. 1735; 70,000 vols.; Dir. Dr. ISTVÁN SZABÓ; Librarians JÁNOS ZAKAR, ISTVÁN HILLER, TERÉZ HORVÁTH, MARTA ESZTÓ, ZSUZSÁNNA SIKLÓSI.

Főszékesegyházi Könyvtár (*Library of the Esztergom Cathedral*): Esztergom, Bajcsy-Zsilinszky-u. 28; 200,000 vols.; Dir. Dr. ZOLTÁN KOVÁCH.

Fővárosi Szabó Ervin Könyvtár (*Ervin Szabó Municipal Library*): Budapest, VIII, Szabó Ervin tér 1; f. 1904; 600,000 vols.; 46 branch libraries; special section, Fövárosi Pedagógiai Könyvtár (*Municipal Education Library*); Horváth Mihálytér 8; f. 1911; 94,015 vols.; Dir. FRÉDÉRIC RÉVÉSZ.

"Gorkij" Library: Budapest, V, Molnár u. 11; f. 1947; br. at Budapest, VII, Gorkij Fasor 45 with collection of musical compositions; Dir. KOMLÓS IMRÉNÉ; publ. *Books of the Month.*

József Attila Tudományegyeten Központi Könyvtára (*Central Library of the József Attila University*): Szeged, Dugonics tér 13; f. 1921; 576,000 vols.; Dir. Dr. ZOLTÁN HAVASI; publs. *A Szegedi Egyetemi Könyvtár Kiadványai, Acta Universitatis Szegediensis.*

Konkoly Obszervatórium Könyvtára (*Library of the Konkoly Observatory*): Budapest, XII, Konkoly-Thege Miklos-u. 13-17; f. 1922; 21,000 vols.

Kossuth Lajos Tudományegyetem Egyetemi Könyvtár (*Lajos Kossuth University Library*): Debrecen, 10; f. 1916; 660,000 vols.; Dir. Dr. ISTVÁN CSÜRY.

Központi Papnevelő Intézet Könyvtára (*Library of the Central Catholic Seminary*): Budapest, V, Eötvös Lóránd u. 7; f. 1775; 29,300 vols.; incunabula and MSS. from XI-XV centuries; Dir. Dr. JOSEPH FELEGYHÁZY.

Központi Régészeti Könyvtár (*Central Archæological Library*): Budapest, VIII, Museum krt. 14-16; f. 1952; 53,000 vols. of Hungarian and foreign archæology and history; Chief Librarian ENDRE L. NEMETH; publ. *Könyvtári Tajékoztato* (Bulletin).

Központi Statisztikai Hivatal Könyvtára (*Library of Central Office of Statistics*): Budapest, II, Keleti Károly 5-7; 350,000 vols.

Library of the College of Horticulture and Viticulture: Budapest, XI, Ménesi Road 45; 115,000 vols.; Dir. Dr. BARBARA GESMEY.

Library of the Hungarian University of Agricultural Sciences: Gödöllö 220,000 vols., 2,500 periodicals; Dir.

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Dr. I. Lörincz; publs. Annual Report, bibliographies and studies.

Library of the Institute of the History of the Party: Budapest, V, Alkotmány u. 2.

Library of the Technical University for Chemical Industries: Veszprém.

Library of the Theatrical and Film High School: Budapest, VIII, Vas-utca 2c.

Magyar Állami Földtani Intézet Könyvtára (*Library of the Hungarian State Geological Institute*): Budapest, XIV, Népstadion út 14; *c.* 130,000 vols.; Librarian Dr. Ilona Schey.

Magyar Földrajzi Társaság Könyvtára (*Library of the Hungarian Geographical Society*): Budapest, VI, Népköztársaság ut 62; f. 1873; 21,000 vols.; 505 maps; Librarian Léces Károlyné.

Magyar Izraeliták Országos Könyvtára (*Library of the Hungarian Jews*): Budapest, VIII, József-körut 27; comprises:

Library of the Jewish Community: Budapest, József-körut 27; public circulating library for Jews; *c.* 22,000 vols.; Librarian Prof. Dr. A. Scheiber.

Library of the Jewish Theological Seminary of Hungary: Budapest, VIII, Rökk Szilard-utca 26; f. 1877; 40,000 vols.; Librarian Prof. Dr. A. Scheiber.

Magyar Nemzeti Muzeum-Iparmüvészeti Muzeum Könyvtára (*Library of the Hungarian National Museum of Applied Arts*): Budapest, IX, Üllői-u. 33-37; 30,000 vols.; Librarian Judith Koós; publs. catalogues, monographs.

Magyar Nemzeti Muzeum—Természettudományi Muzeum, Könyvtár (*Library of the Hungarian National Museum of Natural History*): Budapest, VIII, Baross-u. 13; f. 1810; 185,000 vols.; Librarian Mrs. K. Bátori; publ. *Annales Hist. Nat. Musei Nationalis Hungarici, Könyvtári Tájékoztató* (Bulletin).

Magyar Népköztársaság Legfelsöbb Bíróság Könyvtára (*Library of the Supreme Court of the Hungarian People's Republic*): Budapest, I, Fő-utca 1; f. 1882; 42,464 vols.; Librarian József Márkus.

Magyar Országos Levéltár (*Hungarian National Archives*): Budapest, I, Bécsikapu-tér 4; f. 1874; Gen. Dir. Győző Ember; Dir. Andrew Varga; publs. *Levéltári Közlemények* (Journal of the Hungarian National Archives).

Magyar Országos Levéltár Könyvtára (*Library of the Hungarian National Archives*): Budapest, I, Bécsikapu-tér 4; 50,100 vols.; Librarian István Bogdán.

Magyar Történettudományi Intézet Könyvtára (*Library of the Institute of Historical Science of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 51-53, 61,000 vols.; Librarian Marta Papp.

Magyar Tudományos Akadémia Földrajz-tudományi Kutatócsoportja Könyvtára (*Library of the Geographical Research Institute of the Hungarian Academy of Sciences*): Budapest, V, Nádor-utca 7 (53 P.O. Box 37); f. 1945; 28,000 vols., 35,000 maps, 800 MSS; Librarian Ernowallner, ph.d.; publ. *Földrajzi Dokumentáció* (irreg.).

Magyar Tudományos Akadémia Gyermeklélektani Intézete Könyvtára (*Library of the Institute for Child Psychology of the Hungarian Academy of Sciences*): Budapest VI, Szondy ut. 83-5; f. 1902; 8,450 vols.; Dir. Dr. L. Bartha; Librarian Mrs. M. Dézsi-Czibere.

Magyar Tudományos Akadémia Könyvtára (*Library of the Hungarian Academy of Sciences*): Budapest, V, Akadémia-u. 2; f. 1826; 571,000 vols., 117,000 periodicals, 209,000 MSS.; collection includes Oriental manuscripts, old prints and incunabula; centre for exchange of publications between Hungarian Academy of Sciences and other countries; microfilm service; Dir. György Rózsa; publ. *Publicationes Bibliothecae Academiae Scientiarum Hungaricae, Tájékoztató a Tudományos Kutatás Tervezésének, Igazatásának és Szervezésének Nemzetközi Irodalmáról.*

Marx Károly Közgazdaságtudományi Egyetem Központi Könyvtára (*Library of the Karl Marx University of Economic Science*): Budapest, IX, Dimitrov-tér 8; 352,513 vols.; Dir.-in-Charge Dr. L. Miszti.

Meteorológiai Intézet Könyvtára (*Library of the Meteorological Institute*): Budapest, II, Kitaibel Pál-u. 1; 16,420 vols.; Chief Librarian Gisele Bánsági.

Müszaki Egyetem Központi Könyvtára (*Central Library of the Technical University*): Budapest, XI, Budafoki ut 4-6; 365,000 vols.; Dir. Antal Ladányi.

National Board of Archives: Budapest, I, Uri-u. 54-56; f. 1950; functions as supervising board of all archives in Hungary; Gen. Dir. Antal Szedö.

Néprajzi Muzeum Könyvtára (*Library of the Museum of Ethnography*): Budapest, VIII, Könyves Kálmán-körut 40; 60,000 vols.; Librarian Zoltán Kovács; publs. *Néprajzi Ertesitö, Népraijzi Közlemények, Index Ethnographicus, Ertesitö, Történeti-néprajzi Füsetek, Utmutató Füzetek a Néprajzi Adatgyüjtéshez, Népmesekatalógus Füzetei.*

Országgyülési Könyvtár (*Library of Parliament*): Budapest, V, Kossuth Lajos-tér 1-3; f. 1849; 390,000 vols.; Dir. George Vértes.

Országos Állategészségügyi Intézet Könyvtára (*Library of the Institute of Animal Health*): Budapest, XIV, Tábornok-u. 2; 2,631 vols.; Librarian Margaret Balla.

Országos Közegészségügyi Intézet Könyvtára (*Library of the State Institute of Hygiene*): Budapest, IX, Gyáli-ut. 4; 20,000 vols.; Librarian Miss Emma Znakovszky.

Országos Magyar Bányászati és Kohászati Egyesület Könyvtára (*Library of the Association for Mining and Metallurgy*): Budapest, V, Szabadság-ter 17; 5,000 vols.

Országos Mezögazdasági Könyvtár és Dokumentációs Központ (*National Agricultural Library and Centre for Documentation*): Budapest, I, Attila-u. 53; Librarian Dr. András Mikó.

Orszagos Müszaki Könyvtár (*Hungarian Central Technical Library*): Budapest, VIII, Reviczky 6; f. 1883; 168,762 vols.; 5 million patent specifications; reading-rooms; bibliographical section; microfilm service; periodicals exchanged with foreign countries; Dir. Lajos Jánszky; publs. *Hungarian Technical Abstracts* (quarterly in three languages), *Müszaki Lapszemle* (Technical Reviews, published in twelve sections monthly), Quarterly Bulletin for Technical Librarians.

Országos Orvostörténeti Könyvtár (*Library of Medical History*): Budapest, II, Török u. 12; Dir. Ákos Palla.

Országos Pedágógiai Könyvtár (*Central Library of Education*): Budapest, V, Honvéd u. 19; f. 1958; 140,000 books and periodicals; Dir. Dr. Esther Waldapfel; publs. *Neveléstudományi Tájékoztató* (Educational Research Bulletin), *Iskolai Könyvtárosok Tájékoztatója* (Bulletin for School Librarians), *Magyar Pedagógiai Irodalom* (Bibliography of Hungarian Educational Literature).

Országos Széchényi Könyvtár (*The National Széchényi Library*): Budapest, VIII, Muzeum-körut 14-16; f. 1802; 1,678,234 books and periodicals, 2,458,497 manuscripts,

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maps, prints, microfilms, etc.; Dir.-Gen. Dr. MAGDA JÓBORÚ; publs. include *Magyar Nemzeti Bibliográfia* (Hungarian National Bibliography), *Magyar Folyóiratok Repertóriuma* (Bibliography of Hungarian Periodicals), *Az Országos Széchényi Könyvtár Kiadványai* (publications of the National Széchényi Library, main series), *Az Országos Széchenyi Könyvtár Evkönyve* (Yearbook) *Uj Bibliografiai füzetek* (Bibliographical series); the following libraries are administered by the Országos Széchényi Könyvtár:

Könyvtártudományi és Módszertani Központ (*Centre for Library Science and Methodology*): Budapest, VIII, Muzeum u. 3; f. 1959; 12,000 vols.; Dir. REZSÖ BARABÁSI; publs. *Uj Könyvtári Füzetek* (Library Science Series), *Könyvtári Utmutatók* (Methodological Series), *A Könyvtárosképzés Füzetei* (Professional Educational Series), *Könyvtári Figyelö* (Library Bulletin), *Könyvtári és Dokumentációs Szakirodalom* (Library Literatures), etc.

Gyöngyös Scientific Library: Gyöngyös; f. 15th century; 16,000 vols.

Helikon Scientific Library: Keszthely; f. 1745; 70,000 vols.

Reguly Antal Scientific Library: Zirc, Rákóczi-tér 1; f. 1720; 62,000 vols.

Pannonhalmi Szent-Benedek-Rend Központi Fökönyvtára: Pannon halma, Györ vm.; 280,000 vols.; Dir. Dr. DAVID SÖVEGES.

Pécsi Tudományegyetem Könyvtára (*Library of the University of Pécs*): Pécs, Leonardo da Vinci-utca 3; f. 1774; 300,000 vols.; Dir. MIKLÓS FÉNYES.

Szegedi Orvostudományi Egyetem Könyvtára (*Library of the Medical University of Szeged*): Szeged, Lenin körut 109; f. 1926; 63,000 vols.; Librarian ANDOR ZALLÁR.

Szépmüvészeti Múzeum Könyvtára (*Library of the Hungarian Museum of Fine Arts*): Budapest, XIV, Dózsa György-ut 41; 50,000 vols.: Librarian MÁRIA AGGHÁZY.

Tiszáninneni Református Egyházkerület Nagykönyvtára (*Library of the Reformed Church*): Sárospatak, Rákóczy u. 1.; f. 1531; 171,161 vols.; Dir. KÁLMÁN UJSZÁSZY; Librarian IMRE CZEGLE.

Tiszántuli Református Egyházkerület Nagykönyvtára (*Library of the Calvinist College*): Debrecen, Kálvin-tér 16 480,000 vols.; Dir. Prof. Dr. LÁSZLÓ MÓDIS.

Török Filológiai és Magyar Östörténeti Intézet Könyvtára (*Library of the Institute of Turkish Studies and Hungarian Ancient History*): Budapest, V, Pesti Barnabás utca 1; 8,000 vols.; Dir. GYULA NÉMETH.

Varosi Somogyi Könyvtár (*Somogyi Library*): Szeged; f. 1881; 270,000 vols.; Dir. Dr. BEZERÉDY ISTVÁN.

MUSEUMS

BUDAPEST

Bélyegmuzeum: Budapest, VII, Dob-utca 75-79; f. 1930; collections of Hungarian and foreign stamps; Curator IMRE HAMZA.

Budapesti Történeti Muzeum (*Historical Museum of Budapest*): Budapest I, Szentháromság utca 2; f. 1886; 83 mems.; Dir.-Gen. SÁNDOR TARJÁNYI; Sec.-Gen. ANTAL FAZEKAS; Dirs. MIKLÓS GÁBORI, VILMOS BERTALAN, LAJOS KUMOROVITZ; publs. *Budapest Régiségei* (Antiquities of Budapest; yearbook), *Tanulmányok Budapest Multjából* (Studies of the History of Budapest; year book); administers:

Aquincumi Muzeum: Budapest III, Szentendrei-ut 193; relics of Roman camp, stone, mosaic, glass and jewellery; on the site of an old Roman colony.

Kiscelli Muzeum: modern history of Budapest.

Vármuzeum (*Castle Muzeum*): Budapest 1, Szentháromság-utca 2; exhibits illustrating the medieval and Turkish history of Buda fortress and Budapest.

Földalatti Muzeum: Budapest, V, Március 15 and Egyetem ut 16 (Curator); remains of Diocletian's Roman fortress.

Hadtörténelmi Muzeum (*War History Museum*): Budapest, I, Tóth Árpád sétány 40; collection of arms and documents of Hungarian military history.

Közlekedési Muzeum (*Communications Museum*): Budapest, Városligel; replicas and models of railway locomotives and rolling stock, old vehicles, etc.

Legujabbkori Történeti Muzeum (*Museum of Contemporary History*): Budapest, V, József nádor tér 7; modern history of the Hungarian people, primarily working class movement; important collection of photographs; Dir. EDE GERELYES.

Magyar Nemzeti Galéria (*Hungarian National Gallery*): Budapest, V, Kossuth Lajos tér 12; Dir.-Gen. GÁBOR Ö. POGANY.

Magyar Mezögazdasági Muzeum (*Hungarian Agricultural Museum*): Budapest, XIV, Városliget, Vajdahunyad Vára; f. 1896; Dir.-Gen. JÁNOS MATOLCSI.

Magyar Nemzeti Muzeum—Iparmüvészeti Muzeum (*Hungarian National Museum of Applied Arts*): Budapest, IX, Ullöi-ut. 33; f. 1872; library; Dir.-in-Chief PIROSKA WEINER; publs. catalogues, Annals of the Museum of Applied Art, *Az Iparmüvészeti Muzeum Évkönyvei*. There are two component museums:

Hopp Ferenc Keletázsiai Müvészeti Muzeum (*Hopp Museum of Eastern Asiatic Arts*): Budapest, VI, Népköztársaság-utja 103; f. 1919; library; Dir. T. HORVATH.

Keletázsiai Muzeum Kina Muzeuma (*Chinese Museum*): Budapest, VI, Gorkij-fasor 12; f. 1955; Dir. T. HORVATH.

Néprajzi Museum (*Ethnographical Museum*): Budapest, VIII, Könyves Kálmán-körút 40; f. 1872; Dir. Dr. TIBOR BODROGI; publs. *Néprajzi Ertesitö, Néprajzi Közlemények, Történeti Néprajzi Füzetek, Index Ethnographicus.*

Szépmüvészeti Muzeum (*Museum of Fine Arts*): Budapest, XIV, Dózsa György-ut 41; f. 1896; Dir. A. PIGLER; collections and galleries include: Egyptian and Greco-Roman antiquities, Hungarian and foreign old masters, sculptures, drawings and engravings; library; publs. *Orsz. Magyar Szépmüvészeti Muzeum Evkönyve* (Annals of the Museum of Fine Arts), *Szépmüvészeti Muzeum Közleményei* (Bulletin of the Hungarian Museum of Fine Arts), catalogues, monographs.

Magyar Nemzeti Muzeum—Természettudományi Muzeum (*Hungarian National Museum of Natural History*): Budapest, VIII, Baross-utca 13; f. 1820; Depts.: Mineralogy and Petrography, Geology and Palæontology, Botany, Zoology, Anthropology; library (see above); Chief Dir. Dr. V. SZÉKESSY; publs. *Annales*

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Historico-Naturales Musei Nationalis Hungarici, Folia Entomologica Hungarica, Crania Hungarica, Vertebrata Hungarica, Fragmenta Botanica.

Magyar Nemzeti Muzeum—Történeti Muzeum (*Hungarian National Historical Museum*): Budapest, VIII, Muzeum-körut 14-16; f. 1802; Dir.-Gen. FERENC FÜLEP; Depts.: Historical, Archæological, Numismatic; library of 55,000 vols.; publs. *Régészeti Füzetek* (Archaeological Dissertations), *Folia Archaeologica.*

Mücsarnok (*Art Gallery*): Budapest, XIV, Dózsa György-ut 37; temporary exhibitions of Hungarian and foreign art.

Nagytétényi Kastélymuzeum (*Nagytétény Castle Museum*): Budapest, XXII, Csókási Pál-utca 9; Dept. of Budapest Museum of Applied Arts; furniture of the 14th–19th centuries; Curator EVA CSEREY.

Országos Szinháztörténeti Muzeum (*National Historical Museum of the Hungarian Theatre*): Budapest, I, Krisztina-krt. 57; Dir.-in-Chief FERENC HONT; library of 40,000 vols.; publs. *Szinháztörténeti Könyvtár, Szinháztörténeti Füzetek, Théâtre en Hongrie.*

Petöfi Irodalmi Muzeum: (*Petöfi Museum of Hungarian Literature*): Budapest, V, Károlyi utca 16; f. 1954; Dir.-in-Chief Dr. DÉNES LENGYEL; library of 10,000 vols.

Postamuzeum (*Postal Museum*): Budapest, XII, Krisztina-körut 6-8; research and documentation institute and permanent exhibition of the history of post and telecommunications; Curator Dr. ENDRE VAJDA.

Táborvárosi Muzeum (*Roman Museum*): Budapest, III, Korvin Ottó-utca 63; on the site of a Roman military camp.

PROVINCIAL MUSEUMS

Arany János Muzeum: Nagykörös; f. 1928; Curator Dr. BALANYI BÉLA.

Bakonyi Muzeum: Veszprém; f. 1902; natural history, ethnographic, archaeological and historical exhibits from the Bakony Mountains; Curator ISTVÁN ÉRI.

Balatoni Muzeum: Keszthely; f. 1898; prehistoric and historic collections relating to Lake Balaton; Curator KÁROLY GÁL.

Balogh Adám Muzeum: Szekszárd; f. 1895; collections of folk art and archæology; Curator GYULA MÉSZÁROS.

Damjanich Muzeum: Szolnok; f. 1938; archæology, palæontology, applied art and local history collections; Curator GYULA KAPOSVÁRI.

Déri Múzeum: Debrecen; f. 1902; Provisory Dir. ANDRÁS BÉRES.

Erkel Ferenc Muzeum: Gyula, Béke sugárút 53; f. 1868; archæological and ethnographic collections; Dir. Dr. IMRE DANKÓ.

Ferenczy Károly Muzeum: Szentendre; f. 1951; archæological, ethnographic and local history collections; Dir. SÁNDOR SOPRONI.

Göcseji Muzeum: Zalaegerszeg; f. 1947; collections of regional folk art and ethnography; Curator IMRE SZENTMIHÁLYI.

Hajdúsági Múzeum: Hajdúböszörmény; f. 1924; Sections: Archæology, Ethnography, History and Fine Arts; Curator PÉTER H. FEKETE.

Hansági Muzeum: Mosonmagyaróvár; f. 1883; library, 4,447 vols.; Curator REZSŐ PUSZTAI.

Herman Ottó Muzeum: Miskolc, Papszer 1; f. 1898; collections of archæology, regional ethnography, fine arts and applied arts; library 24,000 vols.; Curator JÓSZEF KOMÁROMY.

István Király Muzeum: Székesfehérvár; f. 1873; prehistoric Roman and mediaeval collections, flora and fauna of Lake Velence, regional ethnography, art gallery; library 30,000 vols.; Acting Dir. JENŐ FITZ.

Janus Pannonius Muzeum: Pécs; f. 1904; natural science and archæological collections, folk art exhibits; Dir. JANOS DOMBAI.

Jász Muzeum: Jászberény; f. 1874; collections from the Stone, Bronze and Iron Ages; library, 2,600 vols.; Curator Dr. SÁNDOR ERDÉSZ.

Jósa András Muzeum: Nyiregyháza; f. 1868; collections o archæology, ethnography and local history; Acting Dir. Dr. DEZSÖ CSALLÁNY.

Jurisich Miklós Muzeum: Koszeg; f. 1928; Curator ISTVÁN SZÖVÉNYI.

Kalocsa Muzeum: Kalocsa; f. 1949; Curator ERNŐ LASZCZIK.

Kanizsai Dorottya Muzeum: Mohács; f. 1923; ethnographical and folk art collections; Curator JÁNOS ETE.

Katona József Muzeum: Kecskemét; f. 1898; archæological and ethnographical collections; Dir. ATTILA HORVÁTH.

Kisfaludy Sándor Muzeum: Sümeg; f. 1913; documents relating to Sándor Kisfaludy, eminent in 19th-century Hungarian literature; Curator JÓZSEF A. KOVÁCS.

Kiskun Muzeum: Kiskunfélegyháza; f. 1902; Curator GÁBOR LÜKÖ.

Kossuth Lajos Muzeum: Cegléd; f. 1917; relics of Lajo Kossuth; Dir. DEZSÖ NAGY.

Koszta József Muzeum: Szentes; f. 1897; archæological and ethnographical collection and paintings by Koszta; Acting Dir. JÓZSEF CSALOG.

Kuny Domokos Muzeum: Tata; f. 1938; archæological and applied art collections; Curator Dr. AKOS KISS.

Liszt Ferenc Muzeum: Sopron; f. 1868; relics of Liszt, folk art and local baroque art collections; Dir. ENDRE CSATKAI.

Móra Ferenc Muzeum: Szeged; f. 1883; archæological and ethnographic collections, history of local paprika industry; Curator ALAJOS BÁLINT.

Munkácsy Mihály Muzeum: Békéscsaba; f. 1899; archæological and regional ethnographic collections, modern Hungarian paintings; Curator GYÖRGY TÁBORI.

Nádasdi Muzeum: Sárvár; f. 1951; Curator ENDRE CZATKAI.

Palóc Muzeum: Balassagyarmat; f. 1891; Roman relics, local folk art and shepherds' art; collections of Nógrád costumes, childrens toys and folk instruments; archaeological and natural history collections; second largest macrolepidopterological collection in Hungary; library, 3,500 vols.; Dir. JÓZSEF ZÓLYOMI.

Rákóczi Muzeum: Sárospatak; f. 1950; housed in the Castle of Sárospatak; historical, ethnographic and applied art collections; Curator IVÁN BALASSA.

Rippl-Rónai Muzeum: Kaposvár; f. 1909; archæological and ethnographic collections, paintings by Rippl-Rónai; Curator GYULA TAKÁTS.

Savaria Muzeum: Szombathely, Kisfaludy Sándor-utca 9, szám; f. 1872; Curator TIHAMÉR SZENTLÉLEKY.

Szántho Kovács János Muzeum: Orosháza; f. 1947; Acting Chief GYULA NAGY.

Thorma János Muzeum: Kiskunhalas; f. 1950; collection of laces; Curator ÁKOS JANÓ.

Tornyai János Muzeum: Hódmezövásárhely; f. 1905; archæological and ethnographic, folk-art and mineral collections, Tornyai paintings; Curator Z. Szelesi.

Turi György Muzeum: Nagykanizsa; f. 1924; archæological collections, local history displays, numismatics; Curator Mrs. B. Hulesch.

Türr István Muzeum: Baja; f. 1936; archæological and ethnographic collections, modern Hungarian painters; Curator Dr. Ede Solymos.

Vák Bottyán Muzeum: Vác; f. 1896; local history exhibits; Dir. Mrs. P. Ciffka.

Vörösmarty Emlékmuzeum: Kápolnásnyék; f. 1950.

Xántus János Muzeum: Györ; f. 1859; archæological collection containing relics of the ancient town of Arrabona (now Györ); art, anthropology, natural science, Roman lapidarium; Curator András Uzsoki.

Zrinyi Miklós Muzeum: Szigetvár; f. 1917; local history collection, relating particularly to the period of Turkish occupation (16th-17th centuries); Curator Valéria Kováts.

UNIVERSITIES

EÖTVÖS LÓRÁND TUDOMÁNYEGYETEM
(Eötvös Lóránd University)

BUDAPEST, V, EGYETEM-TÉR 1

Telephone 180-820

Founded 1635

Rector: Dr. István Sötér.
Pro-Rectors: Miklós Világhy, Kálmán Kovács.

Number of teaching staff: 616.
Number of students: 7,832.

Publications: *Annales, Egyetemi Ertesitö, Acta Facultatis Politico-Iuridicae, Dissertationes Archaeologicae, Opuscula Zoologica.*

Deans:

Faculty of Political Science and Jurisprudence: Tibor Király.
Faculty of Science: Károly Nagy.
Faculty of Arts: István Sinkovics.

Professors:

Faculty of Political Science and Jurisprudence (Budapest, V, Egyetem-tér 1-3):
Barna, Péter (Penal Law).
Beér, János (Hungarian Constitutional Law).
Berényi, Sándor (Hungarian Administrative Law).
Hajdu, Gyula (International Law).
Horváth, Pál (Legal History).
Kádár, Miklós (General Penal Law).
Kovács, Kálman (Legal History of Hungary).
Kovacsics, József (Statistics).
Móra, Mihaly (Roman Law).
Névai, László (Civil Law).
Seres, Imre (Agricultural Law).
Sipos, Aladar (Political Economy).
Vas, Tibor (General Theory of State and Law).
Világhy, Miklós (Civil Law).
Weltner, Andor (Labour Law).

Faculty of Science (Budapest, VIII, Muzeum-Körut 6-8):
Bánhegyi, József (Microbiology).
Bartucz, Lajos (Anthropology).
Bogsch, László (Palæontology).
Bruckner, Győző (Organic Chemistry).
Császár, Ákos (Mathematical Analysis).
Dési, Frigyes (Meteorology).
Dudich, Endre (Zootaxy).
Egyed, László (Geophysics).
Faludi, Béla (Genetics).
Földes, István (Astrology).
Frenyó, Vilmos (Plant Biology).
Gerecs, Árpád (Chemical Technology).
Hajós, György (Higher Geometry).
Irmédy-Molnár, László (Topography).
Jánossy, Lajos (Nuclear Physics).
Kárteszi, Ferenc (Descriptive Geometry).
Koch, Ferenc (Regional Geography).
Kósa, András (Applied Mathematical Analysis).
Láng, Sándor (Geography).
Lengyel, Béla (General and Inorganic Chemistry).
Lengyel, Sandor (Physical Chemistry).
Mendöl, Tibor (Economic Geography).
Mödlinger, Gusztáv (Zootomy).
Nagy, Elemér (Experimental Physics).
Novobátzky, Károly (Theoretical Physics).
Rényi, Alfrèd (Mathematics).
Sárkány, Sándor (Botany).
Schulek, Elemér (Inorganic and Analytical Chemistry).
Soó, Rezsö (Botanical Taxonomy and Botanical Geography).
Szádeczky-Kardoss, Elemér (Geochemistry and Petrology).
Sztrókay, Kálmán (Mineralogy).
Turán, Pál (Algebra and Theory of Numbers).
Vadász, Elemér (Geology).
Vitális, Sándor (Applied Geology).
Wolfram, Ervin (Colloid Chemistry and Colloid Technology).

Faculty of Arts (Budapest, V, Pesti-Barnabas-u 1);
Andics, Erzsébet (Modern History).
Banner, János (Archæology).
Bárczi, Géza (Hungarian Language)
Benkö, Loránd (Hungarian Philology).
Bóka, László (History of Hungarian Literature).
Dobrovits, Aladár (Ancient History).
Elekes, Lajos (Medieval Hungarian History).
Germanus, Gyula (Arabic Literature).
Gyergyai, Albert (French Language and Literature).
Hahn, István (Ancient History).
Harmatta, János (Indo-European Linguistics).
Kardos, Lajos (Psychology).
Kardos, László (Literature).
Kardos, Tibor (Italian Language and Literature).
Kniezsa, István (Slavonic Philology).
Kovács, Máté (Librarianship).
Lakó, Gyorgy (Finno-Ugrian Linguistics).
László, Gyula (Archæology).
Lederer, Emma (Auxiliary Science).
Ligeti, Lajos (Asian Languages).
Molnár, Erik (Historical Materialism).
Moravcsik, Gyula (Greek Philology).
Mód, Aladár (Modern Hungarian History and Principles of Scientific Socialism).
Nagy, Sándor (Education).
Németh, Gyula (Turkish Philology).
Oroszlán, Zoltán (Archaeology).
Ortutay, Gyula (Folklore).
Perényi, József (History of Southern European Countries).
Sándor, Pál (Dialectic Materialism).
Sipos, István (Russian Philology).
Sötér, István (History of Hungarian Literature).
Szenczi, Miklós (English Language and Literature).
Székely, György (Medieval History).
Szigeti, József (Aesthetics).
Tálasi, István (Ethnography).
Tamás, Lajos (Romance Philology).
Telegdi, Zsigmond (Linguistics).
Tolnai, Gábor (History of Hungarian Literature).
Trencsényi-Waldapfel, Imre (Latin Philology).
Vayer, Lajos (History of Art).
Vilmos, József (Political Economy).
Waldapfel, József (History of Hungarian Literature)
Zsigmond, László (Modern History).

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BUDAPESTI ORVOSTUDOMANYI EGYETEM
(Medical University of Budapest)

BUDAPEST VIII, ÜLLOI UT 26
Telephone: 134-610

Founded 1769 as Medical Faculty of Eötvös Lóránd University; independent 1951.

Rector: Dr. IMRE TÖRÖ.
Vice-Rectors: Prof. Dr. MAGDA RADNÓT, Prof. Dr. JÓZSEF SÓS, Dr. ELEMÉR BOGINA.
Registrar: MÁRTA RAJHÁTHY.
Librarian: Dr. ENDRE RÉTI.

Number of teaching staff: 996.
Number of students 3,761.

DEANS:

Faculty of Medicine: Prof. Dr. IMRE TARJÁN.
Faculty of Odontology: Prof. Dr. KÁROLY BALOGH.
Faculty of Pharmacology: Prof. Dr. ANTAL VÉGH.

PROFESSORS:

Faculty of Medicine:
ÁLFÖLDY, ZOLTÉN (Microbiology).
BABICS, ANTAL (Urology).
BÁLINT, PÉTER (Physiology).
BALÓ, JÓSZEF (Pathological Anatomy).
FÖLDVARI, FERENC (Dermatology).
GERLÓCZY, FERENC (Pædiatrics).
GERÓ, SÁNDOR (Internal Medicine).
GLAUBER, ANDOR (Orthopædics).
GÖMÖRI, PÁJ. (Internal Medicine).
GOTTSEGEN, GYÖRGY (Internal Medicine).
HARANGHY, LÁSZLÓ (Pathological Anatomy).
HORÁNYI, BÉLA (Neurology).
HORAY, GUSZTAV (Opthalmology).
HORN, BÉLA (Obstetrics and Gynæcology).
KISS, PÁL GEGESI (Pædiatrics).
KUDÁSZ, JÓSZEF (Surgery).
MISKOVITS, G. (Pneumology).
NAGY, DÉNES (Surgical Anatomy and Surgery).
NÓNAY, TIBOR (Ophthalmology).
NYIRÖ, GYULA (Psychiatry and Neurology).
ÖKRÖS, SANDOR (Forensic Medicine).
PETÉNYI, GEZA (Pædiatrics).
RADNÓT, MAGDA (Ophthalmology).
RUBÁNYI, PÁL (Surgery).
RUSZNYÁK, ISTVÁN (Internal Medicine).
SIMONOVITS, I. (Social Medicine).
SÓS, JÓZSEF (General Pathology).
STEFANICS, J. (Surgery).
STRAUB, BRUNÓ (Medical Chemistry).
SZÉKESSY, VILMOSNÉ (Biochemistry).
SZENTÁGOTHAY, J. (Anatomy).
TARJÁN, IMRE (Medical Physics).
TÓRÖ, IMRE (Histogenology).
VARGA. GYULA (Oto-rhino-laryngology).
VEDRES, I. (Public Health).
ZOLTÁN, IMRE (Obstetrics and Gynæcology).
ZSEBÖK, Z. (Radiology).

Faculty of Odontology:
BALOGH, KÁROLY (Oral Surgery).
BOROS, SÁNDOR (Preservation Dentistry).
MOLNAR, LÁSZLÓ (Dental Prosthetics).
VARGA, ISTVÁN (Dentistry for Children and Orthodontics).

Faculty of Pharmacology:
CLAUDER. OTTÓ (Pharmaceutical Organic Chemistry).
FRITZ, G. (Pharmacology).
HALMAI, JANOS (Pharmacognosy).
VÉGH, ANTAL (Pharmaceutical Chemistry).

MARX KÁROLY KÖZGAZDASÁGTUDOMÁNYI EGYETEM
(Karl Marx University of Economic Science)

BUDAPEST, IX, DIMITROV-TÉR 8
Telephone: 186-850
Founded 1948

Rector: Dr. ZSIGMOND PÁL.
Vice-Rector: IMRE LÁSZLÓ.

Number of professors: 12.
Number of students: 2,276 (711 women).

DEANS:

Faculty of Industrial Economics: ISTVÁN BIKICS.
Faculty of Trade Economics: JÓZSEF BOGNÁR.
Faculty of General Economics and Finance: ARPÁD HAÁSZ.

PROFESSORS:

BEREI, ANDOR (Political Economy).
BOGNÁR, JÓZSEF (Trade Economics).
HAÁSZ, ÁRPÁD (International Economics).
HÁY, LÁSZLÓ (Political Economy).
NAGY, TAMÁS (Political Economy).
PACH, SIGISMUND (Economic History).
PÉTER, GYÖRGY (Statistics).
RECZEY, LÁSZLÓ (Law and International Law).
SZÉP, JENÖ (Mathematics and Economic Mathematics).
VAJDA, IMRE (Foreign Trade).
VARGA, ISTVÁN (Trade Economics).
WILCSEK, JENŐ (Industrial Economics).

KOSSUTH LAJOS TUDOMÁNYEGYETEM
(Lajos Kossuth University)

DEBRECEN 10
Telephone: 20-61
Founded 1912.

Rector: Dr. PÁL SZARVAS.

Number of teaching staff: 166, of which 40 professors.
Number of students: 1,340.

DEANS:

Faculty of Arts: Dr. JÓZSEF HERMAN.
Faculty of Science: Dr. ÁRPÁD HARASZTY.

PROFESSORS:

Faculty of Arts:
BARTA, JÁNOS (Hungarian Literature).
BORZSÁK, LÁSZLÓ (Classical Philology).
GUNDA, BÉLA (Ethnography).
HERMAN, JÓZSEF (Romance Philology).
IGLÓI, ENDRE (Russian Philology).
JAUSZ, BÉLA (Education).
JUHÁSZ, GÉZA (Hungarian Literature).
KÁLMÁN, BÉLA (Finno-Ugrian Philology).
KÓNYA, ISTVÁN (Marxism and Leninism).
MARÓTI, EGON (Ancient History).
ORSZÁGH, LÁSZLÓ (German Philology).
PAPP, ISTVÁN (Hungarian Philology).
SULÁN, BÉLA (Slavonic Philology).
TOKODY, GYULA (History).
VARGA, ZOLTÁN (History of Hungary).

Faculty of Science:
ACZÉL, JÁNOS (Mathematical Analysis).
BERÉNYI, DÉNES (Meteorology).
BOGNÁR, REZSŐ (Organic Chemistry).
ENYEDI, G. (Economic Geography).
FÖLDVÁRI, ALADÁR (Geology).
GÁSPÁR, REZSÖ (Theoretical Physics).
GYIRES, BÉLA (Probability).
HARASZTY, ÁRPÁD (Botany).
IMRE, LAJOS (Physical Chemistry).
KÁDÁR, LÁSZLÓ (Physical Geography).
KERTÉSZ, ANDOR (Algebra).
LUTTER, BÉLA (Applied Chemistry).
ORBÁN, GYÖRGY (Applied Physics).
RAPCSÁK, ANDRÁS (Higher Geometry).
SZALAY-CSONGOR, EVA (Experimental Physics).
SZARVAS, PÁL (Inorganic Chemistry).
WOYNAROVICH, ELEK (Zoology).

DEBRECENI ORVOSTUDOMÁNYI EGYETEM
(Debrecen University of Medicine)

DEBRECEN

Founded 1912 as the Faculty of Medicine of Lajos Kossuth University; independent 1949.

Rector: Dr. PÁL JUHÁSZ.
Number of students: 599 men, 334 women, total 933.

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PROFESSORS:

ADLER, PÉTER (Dentistry).
ÁRVAY, SÁNDOR (Obstetrics and Gynæcology).
ENDES, PONGRÁC (Pathological Anatomy).
FORNET, BÉLA (Internal Medicine).
JENEY, ENDRE (Preventive Medicine and Hygiene).
KESZTYÜS, LÓRÁND (Bacteriology).
KETTESSY, ALADÁR (Ophthalmology).
KROMPECHER, ISTVÁN (Anatomy).
KULIN, LÁZSLÓ (Pædiatrics).
LADÁNYI, JÓZSA (Surgery).
ÖKRÖS, SÁNDOR (Medical Jurisprudence).
PETRÁNYI, GYULA (Internal Medicine).
SZODORAY, LAJOS (Dermatology and Venereal Diseases).
TANKO, BÉLA (Biochemistry).
TÓTH, LAJOS (Medical Physics).
VÁLYI NAGY, TIBOR (Pharmacology).
VERZÁR, GYULA (Oto-Rhino-Laryngology).
WENT, ISTVÁN (Physiology).

PÉCSI TUDOMÁNYEGYETEM
(University of Pécs)

PÉCS, 48-AS TÉR I

Telephone 28-34, 28-35

First founded in 1367, newly founded in 1922.

Rector: (Vacant).
Registrar: JÁNOS KRAUTH.

Number of teaching staff: 41.
Number of students: 880.

Publication: *Studia Iuridica Auctoritate Universitatis Pécs Publicata.*

DEAN:

Faculty of Law and Political Science: OTTÓ BIHARI.

PROFESSORS;

Faculty of Law and Political Science:
BIHARI, OTTÓ (Public Law).
CSIZMADIA, ANDOR (History of Law).
FÖLDES, IVÁN (Agricultural Law).
HALÁSZ, ALADAR (Roman Law).
HALÁSZ, PÁL (Theory of Law and State).
HARASZTI, GYÖRGY (International Law).
KISS, ISTVÁN (Philosophy).
KOCSIS, MIHÁLY (Civil and Criminal Procedure).
LOSONCZY, ISTVÁN (Criminal Law).
PAP, TIBOR (Civil Law).
RUDOLF, LORÁNT (Civil Law).
SZAMEL, LAJOS (Administrative Law).
ZINHOBER, FERENC (Political Economy).

PÉCSI ORVOSTUDOMÁNYI EGYETEM
(Medical University of Pécs)

PÉCS RÁKÓCZI-UT, 80.

Founded 1912 as the Faculty of Medicine of the University of Pécs; independent 1951.

Rector: TIVADAR HUTH.
Dean: LÁSZLÓ CHOLNOKY.

Number of Professors: 21.
Number of students: 966 men and women.

PROFESSORS:

ÁNGYÁN, JÁNOS (Internal Medicine).
BARTA, IMRE (Pharmacology).
BOROS, BÉLA (Ophthalmology).
CHOLNOKY, LÁSZLÓ (Chemistry).
DONHOFFER, SZILÁRD (Pathophysiology).
ERNST, JENŐ (Physics).
HÁMORI, ARTUR (Internal Medicine).
HUTH, TIVADAR (Urology).
KARLINGER, GY. TIHAMÉR (Surgery).
KERPEL-FRONIUS, ÖDÖN (Pædiatrics).
KÖRNYEY, ISTVÁN (Mental Diseases).
KUN, LAJOS (Obstetrics and Gynæcology).
LAJOS, LÁSZLÓ (Obstetrics and Gynæcology).
LISSÁK, KÁLMÁN (Physiology).
MÉHES, GYULA (Pharmacology and General Therapeutics).
MELCZER, MIKLÓS (Dermatology and Venereal Diseases).
ORAVECZ, PÁL (Stomatology).
PÓKA, LÁSZLÓ (Surgery).
RAUSS, KÁROLY (Public Health).
ROMHÁNYI, GYÖRGY (Pathological Anatomy).
SZENTÁGOTHAI, JÁNOS (Anatomy).

SZEGEDI TUDOMÁNYEGYETEM
(University of Szeged)

SZEGED, DUGONICS-TÉR 13

Founded 1872.

Rector: Prof. Dr. GYÖRGY ANTALFFY.
Pro-Rectors: LAJOS SZÉKELY, Prof. Dr. ANTAL NYIRI, Dr. FERENC HERCZEG.

Number of teaching staff: 296, including 29 professors.
Number of students: 523 men, 439 women, total 962.

DEANS:

Faculty of Law: JÁNOS MARTONYI.
Faculty of Philosophy: Dr. ELÖD HALÁSZ.
Faculty of Natural Science: Dr. ÁGOSTON BUDÓ.

PROFESSORS:

Faculty of Law:
ANTALFFY, GYÖRGY (Jurisprudence and Political Science)
BÓLYA, LAJOS (Procedural Law).
BUZA, LÁSZLÓ (International Law).
HORVÁTH, RÓBERT (Statistics).
KOVÁCS, ISTVÁN (Constitutional Law).
MARTONYI, JÁNOS (Administrative Law).
NAGY, LÁSZLÓ (Agricultural and Labour Law).
PÓLAY, ELEMÉR (Private Law and Roman Law).
SZABÓ, JÓZSEF (Finance).

Faculty of Philosophy:
BÁLINT, SÁNDOR (Ethnography).
HAJDU, PETER (Finno-Ugric Philology).
HALÁSZ, ELÓD (German Philology).
KIRÁLY, ISTVÁN (Hungarian Literature).
KOLTAY-KASTNER, JENÖ (Roman Philology).
MÉREI, GYULA (Hungarian History).
NYIRI, ANTAL (Hungarian Philology).

Faculty of Science:
ÁBRAHÁM, AMBRUS (General Zoology and Biology).
BUDÓ, ÁGOSTON (Experimental Physics).
GREGUSS, PÁL (Botany).
KALMÁR, LÁSZLÓ (Mathematics).
KISS, ÁRPÁD (General and Physical Chemistry).
KOCH, SÁNDOR (Mineralogy).
KOLOZSVÁRY, GÁBOR (Zoological Classification).
MIHÁLTZ, ISTVÁN (Geology).
RÉDEI, LÁSZLÓ (Algebra).
SZABÓ, ZOLTÁN (Inorganic Chemistry).
SZALAI, ISTVÁN (Plant Physiology).
SZŐKEFALVI-NAGYI, BÉLA (Mathematics).
WAGNER, RICHARD (Climatology).

SZEGEDI ORVOSTUDOMÁNYI EGYETEM
(Medical University of Szeged)

SZEGED, DUGONICS-TÉR 13

Founded 1921 as the Faculty of Medicine of the University of Szeged; independent 1951.

Rector: Dr. KÁROLY TÓTH.
Vice-Rector: Doc. Dr. KÁROLY TÓTH
Librarian: ANDOR ZALLÁR.

Number of teaching staff: 300, including 24 full professors.
Number of students: 698 men, 665 women, total 1,363.
Publications: *Studia Medica Szegedinensia, Évkönyv.*

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DEANS:

Faculty of Medicine: Prof. Dr. ANDRÁS, KRÁMLI
Faculty of Pharmacy: Prof. Dr. ISTVÁN NOVÁK.

PROFESSORS:

Faculty of Medicine:

FAZEKAS, I. GYULA (Forensic Medicine).
FÖLDI, MIHÁLY (Internal Propædeutics).
GELLÉRT, ALBERT (Anatomy and Histology).
HATTYASY, DEZSÓ (Dentology).
HUSZÁK, ISTVÁN (Neurology and Psychiatry).
IVÁNOVICS, GYÖRGY (Pathology).
JANCSÓ, MIKLÓS (Pharmacology).
JULESZ, MIKLOS (Internal Medicine).
KANYÓ, BÉLA (Public Health).
KARÁDY, ISTVÁN (Pathophysiology).
KRÁMLI, ANDRÁS (Medical Chemistry).
KUKÁN, FERENC (Ophthalmology).
LÁNG, IMRE (General Surgery and Neurosurgery).
OBÁL, FERENC (Physiology).
PETRI, GÁBOR (Clinical Surgery).
RÁVNAY, TAMÁS (Dermatology and Venereal Diseases).
SZABON, JÓZSEF (Oto-Laryngology).
SZENES, TIBOR (Radiology).
SZONTÁGH, FERENC (Obstetrics and Gynæcology).
VILMON, GYULA (Organization of Public Health).

Faculty of Pharmacy:

DIRNER, ZOLTÁN (Pharmacodynamics).
KEDVESSY, GYÖRGY (Pharmaceutics).
KÖSZEGI, DÉNES (Pharmaceutical Chemistry).
NOVÁK, ISTVÁN (Medical Botany and Pharmacognosy).
(Vacant—Biochemistry, Biology, Pathological Anatomy).

TECHNICAL UNIVERSITIES

BUDAPESTI MÜSZAKI EGYETEM
(Technical University of Budapest)

BUDAPEST XI, MÜEGYETEM-RKP. 3
Telephone 258-930

Founded 1857 as Hungarian Palatine Joseph University of Technical Sciences.

Rector: Dr. JÓZSEF GRUBER.
Vice-Rectors: Prof. Dr. FERENC LETTNER, Prof. Dr. ISTVÁN BARTA, Prof. Dr. TIBOR ELEK.

Number of teachers: 754, including 60 professors.

Number of students: 8,300.

DEANS:

Faculty of Mechanical Engineering: Prof. Dr. ELEMÉR RÁCZ.
Faculty of Chemical Engineering: Prof. Dr. GYÖRGY VARSÁNYI.
Faculty of Electrical Engineering: Prof. Dr. LÁSZLÓ KOZMA.

PROFESSORS:

Central Chairs:

Dr. TIBOR ELEK.
Dr. JÓZSEF DEVICS.

Faculty of Mechanical Engineering:

BALOGH, BÉLA.
BÁRÁNY, NANDOR.
BASS, EMIL.
BORBÉLY, SAMU.
BRODSZKY, DEZSÖ.
FATH, JÁNOS.
GILLEMOT, LÁSZLÓ.
GONDAR, JENÖ.
GRESCHIK, GYULA.
GRUBER, JÓZSEF.
HELLER, LÁSZLÓ.
HORGOS, GYULA.
JUREK, AURELIAN.
KOZMANN, GYÖRGY.
LETTNER, FERENC.
LÉVAI, ANDRÁS.
LUKÁTS, MIKLÓS.
MACSKASSY, ÁRPÁD.
RÁCZ, ELEMÉR.
RAZSÓ, IMRE.
REUSS, ENDRE.
RUDNAI, GUIDO.
STROMMER, GYULA.
VARGA, JÓZSEF.
VÉKÁSSY, ALAJOS.
VÖRÖS, IMRE.
ZALKA, ANDRÁS

Faculty of Electrical Engineering:

BARTA, ISTVÁN.
BENEDIKT, OTTÓ.
CSÁKI, FRIGYES.
EISLER, JÁNOS.
FÁBER, GUSTÁV.
FENYÖ, ISTVAN.
GESZTI, P. OTTÓ.
GOMBÁS, PÁL.
ISTVÁNFFY, EDVIN.
KOLOS, RIHARD.
KÓNYA, ALBERT.
KOVÁCS, ISTVÁN.
KOZMA, LÁSZLÓ.
RÁCZ, ISTVÁN.
RETTER, GYULA
SIMONYI, KÁROLY.
SVÁB, JÁNOS.
VALKÓ, IVÁN.
VASVÁRI, FERENC.

Faculty of Chemical Engineering

ALEXITS, GYÖRGY.
CSŰRÖS, ZOLTÁN.
ERDEYI, LÁSZLÓ.
HARDY, GYULA.
HOLLÓ, JÁNOS.
KORACH, MÓR.
PROSZT, JÁNOS.
SCHAY, GÉZA.
TELEGDY KOVATS, LÁSZLÓ.
TETTAMANTI, KÁROLY.
VAJTA, LÁSZLÓ
VARSÁNYI, CYÖRGY.

ÉPITÖIPARI ÉS KÖZLEKEDÉSI MÜSZAKI EGYETEM
(Technical University of Building and Transport Engineering)

BUDAPEST, XI. MÜEGYETEM-RKP. 3
Telephone 258-840

Founded 1952

Rector: Prof. Dr. IMRE PERÉNYI.
Vice-Rectors: Prof. Dr. ÁRPÁD KÉZDI, Prof. Dr. JÓZSEF PELIKÁN, Prof. Dr. ISTVÁN TURÁNYI.

Central Library: shares with the Technical University of Budapest, *see under* Libraries.

Number of Teachers: 316, including 45 professors.
Number of Students (full-time): 1,865, part-time 274, external 582.

Publs. *Építöipari és Közlekedési Müszaki Egyetem Tudományos Közleményei* (Proceedings), *Jövö Mérnöke* (Engineer of the Future—publ. jointly with the Technical University of Budapest).

DEANS:

Faculty of Architecture: Prof. Dr. LÁSZLÓ SZÉLL.
Faculty of Transport Operation: Prof. Dr. KÁLMÁN KÁDAS.
Faculty of Civil Engineering: Prof. Dr. ISTVÁN HAZAY.

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PROFESSORS:

Central Chairs:
BENKE, ISTVÁN (Political Economy).
BODO, ZALAN (Experimental Physics).
SIMEK, FERENC (Physical Culture).
SZEMERE, IMRENE (Philosophy).
VARGA, OTTO (Mathematics).
ZIGANY, FERENC (Descriptive Geometry).

Faculty of Civil Engineering:
BORSOS, JÓZSEF (Town Planning).
BÖLCSKEI, ELEMÉR (Timber and Reinforced Concrete).
CHOLNOKY, TIBOR (Mechanics).
CSANÁDI, GYÖRGY (Railway Operation).
FAZEKAS, FERENC (Mathematics).
HAZAY, ISTVÓN (Surveying).
HOMORÖDY, LAJOS (Advanced Geodesy and Geophysics).
KÉZDI, ÁRPÁD (Soil Mechanics).
PALOTÁS, LÁSZLÓ (Materials).
PAPP, FERENC (Geology).
RÉDEY, ISTVÁN (Surveying).
SABATHIEL, JÓZSEF (Hydraulic Engineering).
SALAMIN, PÁL (Hydraulic Engineering).
SZALAY, GYÖRGY (Foreign Languages).
SZÉCHY, KÁROLY (Foundations).
SZÉPE, FERENC (Steel Structures).
VÁSÁRHELYI, BOLDIZSÁR (Highways).

Faculty of Architecture:
GÁBOR, LÁSZLÓ (Structures).
GÁDOROS, LAJOS (Drawing, Interiors).
GERENDÁS, ISTVÁN (Structures).
KARDOS, ANDOR (Building Operations).
LÉVAI, ANDOR (Structures).
LUX, LÁSZLÓ (Design and Structures).
MAJOR, MÁTÉ (History of Architecture).
MARSÓI, LUJZI (Foreign Languages).
PELIKÁN, JÓZSEF (Strength of Materials).
PERÉNYI, IMRE (Town Planning).
POGÁNY, FRIGYES (History of Architecture).
RADOS, KORNÉL (Industrial and Agricultural Design).
REISCHL, ANTAL (House Design).
SZÉLL, LÁSZLÓ (Building Construction).
WEICHINGER, KÁROLY (Design of Civic Buildings).

Faculty of Transport Operation:
BIACS, NÁNDOR (Electrotechnics).
FODOR, ENORE (Foreign Languages).
HALASZ, TIBOR (Traction).
KÁDAS, KÁLMÁN (Transport Economics).
KESZLER, GYULA (Technology).
LÉVAI, ZOLTÁN (Motor Vehicles).
SILBERSDORFF, LÁSZLÓ (Mechanics).
TURÁNYI, ISTVÁN (Transport Operations).

AGRÁRTUDOMÁNYI EGYETEM
(University of Agricultural Sciences)

BUDAPEST, XI, VILLÁNYI-UT. 5-7
GÖDÖLLO
Telephone: 268-986
Founded 1945

Rector: ANDRÁS MAGYARI.
Pro-Rectors: TIBOR HORTOBÁGYI, LÁZSLÓ LEHOCZKY.
Registrar: Mrs. JÁNOS FLÓRIS.
Librarian: GYULA LÖRINC.

Number of teaching staff (including professors): 280.
Number of students: 2,877.

DEANS:

Faculty of Agricultural Sciences: DÉNES PENYIGEY.
Faculty of Agricultural Engineers: JÁNOS VÁRADI.

PROFESSORS:

BASKAY TÓTH, B. (Pastures).
BACSÓ, NÁNDOR (Meteorology).
BAINTNER, K. (Animal Nutrition).
BÁLINT, ANDOR (Plant Improvement).
CSELÖTEI, LÁSZLÁ (Horticulture).
FÁBIÁN, GYULA (Zoology).
HORTOBÁGYI, TIBOR (Botany and Plant Physiology).
HORVÁTH, JÁNOS (Microbiology).
KISS, ALBERT (Statistics).
KOLBAI, KÁROLY (Plant Breeding).
LEHOCZKY, LÁSZLÓ (Agricultural Mechanics).
MAGYARI, ANDRÁS (Animal Husbandry).
PÁTER, KÁROLY (Soil Science).
PENYIGEY, DÉNES (Plant Breeding).
POGÁCSÁS, GYÖRGY (Agriculture).
SIPOS, GÁBÖR (Agronomy).
SZEKERES, LÁSZLO (Chemistry).
VÁGSELLYEI, ISTVÁN (Agricultural Management).
VÁRADI, JÁNOS (Tractors and Automobiles).

Central Chairs:
There are 15 Lecturers holding independent chairs.

NEHÉZIPARI MÜSZAKI EGYETEM
(Technical University of Heavy Industry)

MISKOLC

Founded 1735 in Selmecbánya; est. in Sopron in 1919 and in Miskolc in 1949.

Rector: JÁNOS ZAMBÓ.

Number of teachers: 293.
Number of students: 2,561.

DEANS:

Faculty of Mechanical Engineering: GÉZA PETRICH.
Faculty of Metallurgical Engineering: ZOLTÁN HORVÁTH.
Faculty of Mining and Engineering: ZOLTÁN GYULAY.

PROFESSORS:

Faculty of Mechanical Engineering:
BÁLINT, LAJOS.
FABRY, GYÖRGY.
GÁSPÁR, GYULA.
KORDOSS, JÓZSEF.
PETRICH, GÉZA.
SÁLYI, ISTVÁN.
SUSÁNSZKY, JÁNOS.
SZABÓ, JANOS.
TERPLÁN, ZÉNO.
URAY, VILMOS.
VANKÓ, RICHÁRD.
ZORKÓCZY, BÉLA.

Faculty of Metallurgical Engineering:
BOGNÁR, JÁNOS.
DIÓSZEGHY, DÁNIEL.
GELEJI, SÁNDOR.
HORVÁTH, ZOLTÁN.
SIMON, SÁNDOR.
SZELE, MIHÁLY.
VERŐ, JÓZSEF.

Faculty of Mining Engineering:
BENKÖ, FERENC.
BOLDIZSÁR, TIBOR.
CSÓKÁS, JÁNOS.
FALK, RICHÁRD.
GYULAY, ZOLTÁN.
MILASOVSZKY, BELA.
POJJÁK, TIBOR.
TARJÁN, GUSZTÁV.
VÖRÖS, IMRE.
ZAMBÓ, JÁNOS.

ERDSÉZETI ÉS FAIPARI EGYETEM
(University of Forestry and Timber Industry)

SOPRON, BAJCSY-ZSILINSZKY UT. 4
Founded 1808

Rector: Dr. JÁNOS GÁL.

Number of teachers: 87, including 25 professors.
Number of students: 612 men, 83 women, total 695.

DEANS:

Faculty of Forestry: Dr. ELEMÉR SOMKUTI.
Faculty of Timber Industry: DÉNES SZABÓ.

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VESZPREMI VEGYIPARI EGYETEM
(Technical University of Chemical Industries)
VESZPRÉM, SCHÖNHERZ z u. 12
Telephone 25-50

Founded 1949

Rector: KÁROLY POLINSZKY.

Number of teachers: 129, including 10 professors.
Number of students: 818.
Publ. *A Veszprémi Vegyipari Egyetem Közleményei.*

PROFESSORS:

BÈNEDEK, PÁL (Chemical Physics).
BERECZKY, ENDRE (Silicate Chemistry).
BODOR, E. (Inorganic Chemistry).
FEJES TÓTH, LÁSZLO (Mathematics).
LÁSZLÓ, ANTAL (Chemical Engineering).
MÜLLER, SÁNDOR (Organic Chemistry).
NEMECZ, ERNÖ (Mineralogy).
POLINSKY, KÁROLY (Chemical Technology).
PUNGOR, E. (Analytical Chemistry).
STRAUB, GYULA (Analytical Chemistry).

COLLEGES

Academy of Protestant Theology: Sopron; f. 1962.

PROFESSORS:

JÁNOSSY, LAJOS (Practical Theology).
KARNER, KÁROLY (New Testament Exegesis and Systematic Theology).

Agricultural College: Debrecen; f. 1866.
Director: ISTVÁN BENCSIK.

Agrártudományi Foisköla (*College of Agricultural Sciences*): Mosonmagyaróvár; f. 1818.
Rector: JÁNOS VARGA.
Number of teachers: 63.
Number of students: 641.

Allatorvostudományi Egyetem (*Veterinary College*): Budapest, VII, Landler Jenö u. 2; f. 1787.
Director: JENÓ KOVACS.
Number of teachers: 96, including 16 professors.
Number of students: 641.

College of Agricultural Mechanical Engineers (*Mezögazdasági Gépészmérnöki kar, Agrártudományi Egyetem*): Budapest; f. 1951.

College of Horticulture and Viticulture: Budapest, XI, Ménesi-ut 44; f. 1853.
Director: Dr. ANDRÁS SOMOS.
Number of professors: 15.
Number of students: 840.

Hungarian Catholic Academy of Law (*Magyar Katholikus Jogakadémia*): Eger, Eszterházy-tér 2.
Dean: JÓZSEF TÓTH.
Number of professors: 11.
Number of students: 350.

Institute of Experimental Physics: Szeged, Dóm-tér 9.
Director: ÁGOSTON BUDÓ.

Department of Theoretical Physics: Szeged; Dir. Dr. JÁNOS ISTVÁN HORVÁTH.

Jewish Theological Seminary (*Országos Rabbiképzö Intézet*): Budapest, VIII, József-krt. 27; f. 1877; Dir. Dr. A. SCHEIBER.

Mezögazdasági Akadémia (*Agricultural College*): Keszthely; f. 1797.
Rector: Dr. SÁNDOR BELÁK.
Number of teachers: 71.
Number of students: 690.

Pannonhalmi Szent Gellért Hittudományi és Tanárkepzö Föiskola (*Theological and Philosophical College of the Benedictine Order*): Pannonhalma.

Reformed Theological Academy (*Református Theologiai Akadémia*): Debrecen, Kálvin-tér 16; f. 1538, later Faculty of Theology in the Kossuth Lajos University; incorporated with the Református Kollégium in 1950.
Dean: LADISLAUS MARTIN PÁKOZDY, TH.D., Dr. h.c.
Vice-Dean: LADISLAUS AMBROSIUS SZABÓ.
Number of volumes in the library: 50,000.
Number of professors: 8.

SCHOOLS OF ART, DRAMA AND MUSIC

ART

Magyar Iparmüvészeti Föiskola (*Hungarian High School of Arts and Crafts*): Budapest, XII, Zugligeti-ut. 11-25; f. 1880; Academy 1946; High School 1948; Dir. GY. HINTZ; 11 sections; 37 professors; 200 pupils.

Magyar Képzömüvészeti Föiskola (*National Academy of Fine Arts*): Budapest, Népköztársaság utja 69-71; Dir. ENDRE DOMANOVSKY; 28 teachers; 169 students.

Országos Magyar Iparmüvészeti Föiskola (*Hungarian State Academy of Applied Art*): Budapest, IX, Kinizsi utca 39; f. 1880.

DRAMA

Szinház- és Filmmüvészeti Föiskola (*Theatrical and Film High School*): Budapest, VIII, Vas-u.2/c.; f. 1864; Dir.-in-Chief JENÓ JENEY; the High School comprises 4 courses.

MUSIC

Bela Bartók Conservatoire of Music (formerly National Conservatory): Budapest, V, Semmelweis-utca 12; f. 1840; Dir. A. FASANG; library of 51,000 vols.; 765 students; teaching staff: 76 professors and 32 external teachers.

Liszt Ferenc Zenemüvészeti Föiskola (*National Hungarian Franz Liszt Musical Academy*): Budapest, VI, Liszt Ferenc Place 8; f. 1875; Dir.-in-Chief F. SZABO; Vice-Dir. Mrs. S. TAKÁCS; Librarian Miss M. PRAHÁCS; library of 160,615 vols.; 84 professors, 29 supplementary teachers; 350 pupils.

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ICELAND

Population 180,058

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agriculture

Búnadarfélag Íslands (*Agricultural Association*): Búnadarfélag Íslands, Lækjargötu 14B, Reykjavík; f. 1899; carries out research; publs. on agriculture and statistics; 3,600 mems.; Dir. Steingrímur Steinbórsson; Sec. Pétur Ottesen, Gunnar Póröarson; Chair. Thorsteinn Sigurdsson; publs. *Freyr*, *Búnadarrit* (annual).

Archæology

Íslenzka fornleifafélag, Hid (*Icelandic Archæological Society*): Reykjavík; f. 1879; Pres. Prof. Jón Steffensen; Sec. Kristján Eldjárn; 500 mems.; publ. *Árbók* (Year Book).

The Arts

Bandalag Íslenzkra Listamanna (*Union of Icelandic Artists*): P.O. Box 629, Reykjavík; Chair. Brynjólfur Jóhannesson; 338 mems.; organised in the following divisions:

Arkitektafélag Íslands (*Icelandic Architects' Association*): Chair.: Adalsteinn Richter; 34 mems.

Félag Íslenzkra Leikara (*Icelandic Actors' Association*): Chair. Jón Sigurbjörnsson; 65 mems.

Félag Íslenzkra Listdansara (*Association of Icelandic Dance Artists*): Chair. Sigrídur Ármann; 26 mems.

Félag Íslenzkra Myndlistarmanna (*Icelandic Association of Pictorial Artists*): Chair. Sigurdur Sigurdsson; 45 mems.

Félag Íslenzkra Tónlistarmanna (*Icelandic Musicians' Association*): Chair. Hermína Kristjánsson; 28 mems.

Rithöfundasamband Íslands (*Icelandic Writers' Association*): Chair. Stefán Júlíusson; 120 mems.

Tónskáldafélag Íslands (*Icelandic Composers' Society*): Chair. Jón Leifs; 20 mems.

International Cultural Societies

Alliance Française: P.O. Box 1303, Reykjavík; f. 1911; 300 mems.; Chair. M. Albert Gudmundsson; Sec. Magnús G. Jónsson; publ. *Islande-France* (annual).

Anglia (*Anglo-Icelandic Society*): P.O. Box 154, Reykjavík; f. 1921; 250 mems.; library contains 2,000 vols.; Chair. Hilmar Foss; Sec. Kristin Hallsson.

Danske Selskab i Reykjavík (*Danish Society*): Reykjavík; f. 1923; Chair. J. C. Klein; Librarian K. Bruun; P.O. Box 222, Reykjavík.

Dansk-Íslenzka Félagid (*Danish-Icelandic Society*): Reykjavík; Chair. Dr. med. Fr. Einarsson.

Íslenzk-Ameríska Félagid (*Icelandic-American Society*): Hafnarstraeti 19, Reykjavík; Chair. Dr. Benjamín Eiríksson.

Kvenfélagasamband Íslands (*Union of Women's Societies*); Laufásvegur 2, Reykjavík; f. 1930; 14,183 mems.; Chair. Miss Rannveig Thorsteinsdottir; publ. *Húsfreyjan*.

Neytendasamtökin (*The Consumers' Union*): Austurstraeti 14, Reykjavík; f. 1953; 6,000 mems.; Pres. Sveinn Ásgeirsson; publ. *Neytendabladid*.

Norraena Félagid (*Nordic Society*): P.O. Box 912, Reykjavík; f. 1922; 2,000 mems.; Pres. Gunnar Thoroddsen; Sec. Sveinn Ásgeirsson; Dir. Magnús Gíslason; publ. *Norraen tídindi*.

Education

Menntamalarád (*Educational Board*) (which includes **Menningarsjodur** (*Cultural Fund*)): P.O. Box 1398, Reykjavík; f. 1928; Chair. Helgi Sæmundsson; Man. Dir. Gils Gudmundsson; publishes Icelandic literature, translation of well-known foreign books, etc., also *Thjódvinafélagid*, *Andvari* and *Almanak*.

Samband Islenzkra Barnakennara (*Icelandic Association of Elementary School Teachers*): Pósthólf 616, Reykjavík; f. 1921; Pres. Skuli Thorsteinsson; Sec. Arsæll Sigurdsson; 700 mems.; practically all primary school teachers in Iceland are members of the Association; publ. *Menntamal* (4 numbers yearly).

Fisheries

Rannsóknastofa Fiskifélags Íslands (*Icelandic Fisheries Laboratories*): Reykjavík; f. 1937; technological research for the fish industry; Dir. of Laboratories T. Thorbjarnarson; publs. *Arsrit Fiskifélags Islands*, *Fiskionrannsóknir* (semi-annual).

General Science

National Research Council: c/o The University, Reykjavík; f. 1940; Chair. Asgeir Thorsteinsson, cand. polyt.; Admin. Tómas Tryggvason, fil.lic.; Gen. Man. Steingrimur Hermannsson, m.sc.

University Research Institute (*Atvinnudeild Háskólans*): Reykjavík; f. 1937; Administrative Board, the National Research Council (*see* above).

Department of Agriculture: Dir. Halldor Palsson, ph.d.

Animal Breeding and Animal Physiology: Halldor Palsson, ph.d.

Animal Genetics: Stefan Adalsteinsson, cand. agric.

Animal Nutrition: Peter Gunnarsson, cand. agric.

Entomology: Geir Gígja.

Plant Pathology and Taxonomy: Ingolfur Davidsson, mag. scient.

Soil Science: Ingvi Thorsteinsson, cand.agronom. m.sc., Bjarni Helgason, b.a., ph.d.

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Plant Breeding and Genetics: STURLA FRIDRIKSSON, B.A., M.SC., BJÖRN SIGURBJÖRNSSON, B.S.A., M.SC., PH.D.

Department of Fisheries: Dir. JÓN JÓNSSON, MAG. SCIENT.

Codfishes: JÓN JÓNSSON, MAG. SCIENT.

Herring: JAKOB JAKOBSSON, B.S.

Hydrography: UNNSTEINN STEFÁNSSON, M.SC.

Flat-fishes: ADALSTEINN SIGURDSSON, MAG. SCIENT.

Plankton: INGVÁR HALLGRÍMSSON, MAG. SCIENT.; THÓRUNN THÓRDARDÓTTIR, MAG. SCIENT.

Redfish Research: JAKOB MAGNÚSSON, DR.RER.NAT.

Department of Industrial Testing and Research: Dir. OSKAR BJARNASSON, CAND.POLYT.

Industrial and Analytical Chemistry—Food Control: OSKAR BJARNASON, CAND.POLYT., GUNNLAUGUR ELÍSSON, CAND.MAG.

Bacteriology: GEIR V. GUDNASON, M.SC., PH.D.

Material Testing: ERLINGUR GUDMUNDSSON, CAND. POLYT., HÖRDUR JÓNSSON, B.SC., SVERRIR SCHEVING THORSTEINSSON, PHIL. CAND.

Geology and Petrology: TÓMAS TRYGGVASON, PHIL. LIC., P. EINANSON, DR.PHIL., GUDMUNDER SIGVALDASON, DR.PHIL.

Visindafélag Íslendinga (*Icelandic Scientific Society*); University of Iceland, Reykjavík; f. 1918; 72 mems.; Pres. Prof. ARMANN SNAEVARR.

History

Íslenzka sögufélag, Hid (*The Icelandic Historical Society*): Reykjavík; f. 1902; Pres. THORKELL JÓHANNESSON.

Literature

Íslenzka bókmentafélag, Hid (*The Icelandic Literary Society*): Reykjavík; f. 1816; 1,450 mems.; Pres. Prof. Dr. MATTHÍAS THÓRDARSON; Sec. Prof. Dr. ALEXANDER JÓHANNESSON; publs. *Annual Journal, Skirnir.*

Meteorology

Vedurstofa Íslands (*Meteorological Institute*): Reykjavík; f. 1920; weather forecasts, climatology, aerology, seismology; Dir. H. SIGTRYGGSSON; staff of about 60; library of 6,000 vols.; publs. *Seismological Bulletin* (annual), *Vedráttan* (monthly).

Music

Tónlistarfélagid (*Music Society*): Reykjavík; f. 1930; operates a College of Music; affiliated societies in major towns; Chair. RAGNAR JÓNSSON; Man. BJÖRN JONSSON; Headmaster of College ARNI KRISTJÁNSSON.

Natural History

Íslenzka náttúrufrædifélag, Hid (*The Icelandic Natural History Society*): P.O. Box 846, Reykjavík; f. 1889; Pres, GUDMUNDUR KJARTANSSON; Sec. EYTHÓR EINARSSON; 815 mems.; publ. *Náttúrufraedingurinn* (quarterly journal of natural history).

Pathology

Rannsóknastofa Háskólans (*University Institute of Pathology and Bacteriology*): P.O. Box 150, Reykjavík; f. 1934; Dir. Prof. NIELS DUNGAL; Scientific Staff: Dr. OLAFUR BJARNASON (surgical pathology), Dr. THORARINN SVEINSSON (morbid anatomy), Dr. ARINBJORN KOLBEINSSON (bacteriology), BALDUR JOHNSEN (morbid anatomy).

Tilraunastöd Háskólans í meinafraedi á Keldum (*Institute for Experimental Pathology, University of Iceland, Reykjavík*): P.O. Box 110, Reykjavík; f. 1948; affiliated to University Medical School; Scientific Staff: PÁLL A. PÁLSSON, CAND. MED. VET., HALLDÓR GRÍMSSON, FIL. MAG., MARGARÉT GUDNADÓTTIR, CAND. MED., GUDMUNDUR GÍSLASON, CAND. MED., HALLDÓR THORMAR, MAG. SCIENT.

Statistics

Hagstofa Íslands (*Statistical Bureau of Iceland*): Reykjavík; f. 1914; Dir. KLEMENS TRYGGVASON; publs. *Hagtídindi* (monthly) *Statistical Bulletin* (quarterly), *Hagskýrslur Islands* (statistical reports).

LIBRARIES

Háskólabókasafn (*University Library*): Reykjavík; f. 1940 102,000 vols.; Dir. BJÖRN SIGFÚSSON, PH.D.

Landsbókasafn Íslands (*National Library of Iceland*): Reykjavík; f. 1818; Dir. FINNUR SIGMUNDSSON, M.A.; 215,000 printed volumes, 10,800 MSS.; open to the public; publ. *Árbók* (Year Book), contains an annual list of Icelandic publications.

Thjodskjalasafn (*National Archives*): Safnahús, Reykjavík; f. 1882; Dir. STEFÁN PJETURSSON.

MUSEUMS

Listasafn Einars Jónssonar (*The Einar Jónsson Art Gallery*): Reykjavík; f. 1920; contains the sculpture of Einar Jónsson.

Náttúrugripasafnid (*Museum of Natural History*): P.O. Box 532, Reykjavík; f. 1889 by Hid Íslenzka Náttúrufraedifélag (*The Icelandic Natural History Society*) and maintained by this Society until 1946; taken over by the State 1947; (1) Dept. of Geology and Geography, Dir. Dr. SIGURÐUR THORARINSSON; (2) Dept. of Botany, Dir. EYTHOR EINARSSON, M.SC.; (3) Dept. of Zoology, Dir. Dr. FINNUR GUDMUNDSSON; publ. *Acta Naturalia Islandica* and miscellaneous papers.

Thjódminjasafn (*National Museum*): Reykjavík; f. 1863; the main collection is of Icelandic antiquities; collection of art and coins; Dir. KRISTJÁN ELDJÁRN, State Antiquary; publs. *Skýrsla um Forngripasafn Islands, Thjódminjasafn Islands, Leidarvísir, Árbók hins íslenzka Fornleifafélags.*

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UNIVERSITY

HÁSKÓLI ÍSLANDS
(University of Iceland)

REYKJAVÍK
Telephone: 13372
Founded 1911.

Rector: Prof. ARMANN SNAEVARR.
Vice-President: Prof. THÓRIR KR. THÓRDARSON, PH.D.
Secretary: PÉTUR SIGURDSSON, M.A.
Librarian: BJÖRN SIGFÚSSON, PH.D.

Library: *see* above.
Number of professors: 36.
Publication: *Árbók Háskóla Íslands.*

DEANS:

Faculty of Theology: Prof. THÓRIR KR. THÓRDARSON, PH.D.
Faculty of Medicine: Prof. DAVÍD DAVÍDSON.
Faculty of Law: THEÓDÓR D. LÍNDAL.
Faculty of Economics: Prof. ÁRNI VILHJÁLMSSON.
Faculty of Philosophy: Prof. MATTHÍAS JÓNASSON, PH.D.
Faculty of Engineering: Prof. LEIFUR ÁSGEIRSSON, PH.D.

PROFESSORS:

Faculty of Theology:
HANNESSON, JÓHANN (Dogmatics, History of Religion).
LÁRUSSON, MAGNÚS MÁR (Church History, New Testament Isagogics and Exegesis).
MAGNÚSSON, BJÖRN (Ethics, New Testament Theology and Exegesis, Pastoral Theology).
THÓRDARSON, THÓRIR (Old and New Testament Exegesis, Pastoral Theology).

Faculty of Medicine:
BALDURSSON, STEINGRIMUR, PH.D. (Chemistry).
DAVÍDSSON, DAVÍD (Physiology, Biochemistry).
DUNGAL, NIELS (Pathology, Bacteriology).
HALLGRÍMSSON, SNORRI, M.D. (Surgery).
HELGASON, TÓMAS (Psychiatry).
SAMUELSSON, SIGURDUR, M.D. (Medicine).
SIGTRYGGSON, JÓN (Dental Surgery).
SIGURJÓNSSON, JÚLÍUS, M.D. (Hygiene).
STEFÁNSSON, KRISTINN (Pharmacology).
STEFFENSEN, JÓN (Anatomy, Histology).

Faculty of Law and Economic Science:
JÓHANNESSON, OLAFUR (Constitutional Law, Administrative Law, Property Law).
LÍNDAL, THEÓDÓR B. (Procedural Law).
SNAEVARR, ÁRMANN (Criminal Law, Family Law, Law of Successions and Donations, Law of Persons.
TORFASON, MAGNÚS (Contract Law, Law of Torts, Maritime Law, Company Law).

Faculty of Economics:
BJÖRNSSON, OLAFUR (Economic Theory and Policy, Public Finance, Economic System of Iceland).
GISLASON, GYLFI TH. (Business Economics, Accounting).
VILHJÁLMSSON, ÁRNI (Business Economics).

Faculty of Philosophy:
ÁGÚSTSSON, SÍMON JÓH. (Philosophy).
BENEDIKTSSON, HREINN (Icelandic Philology).
GUDNASON, BJARNI (Icelandic Literature).
HALLDÓRSSON, HALLDÓR (Icelandic Philology).
JÓNSSON, GUDNI (History of Iceland).
JÓNASSON, MATTHÍAS, PH.D. (Pedagogy).
NORDAL, SIGURDUR, PH.D. (Icelandic Literature).
SVEINSSON, EINAR ÓL. (Icelandic Literature).
THORSTEINSSON, STEINGRÍMUR J. (Icelandic Literature).
VILMUNDARSON, THORHALLUR (Icelandic History).

Faculty of Engineering:
ÁSGEIRSSON, LEIFUR (Mathematical Analysis).
EINARSSON, TRAUSTI (Mechanics, Physics).
MAGNUSSON, MAGNÚS (Physics).
SIGURGEIRSSON, THORBJÖRN (Physics).
THORSTEINSSON, LOFTUR (Surveying, Statics).

COLLEGES

Verzlunarskóli Íslands (*Commercial College*): Reykjavík; f. 1905; co-educational, non-residential secondary school.
Principal: JÓN GÍSLASON, DR.PHIL.

Búnadarskólinn á Hólum i Hjaltadal (*Agricultural School of Holar*): Hólum i Hjaltadal; f. 1882.
Director: KRISTJÁN KALSSON.
The library contains 6,000 vols.
Number of teachers: 4 professors.
Number of students (men and women): 50.
Publication: *Bufraedingurinn* (Agriculturist; once a year).

Búnadarskólinn á Hvanneyri (*Agricultural School of Hvanneyri*): Hvanneyri, pr. Reykjavík; f. 1889.
President: MINISTER OF AGRICULTURE.
Principal: GUÐMUNDUR JÓNSSON.
Number of teachers: 6.
Number of students: 60 men.

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INDIA

Population 439,235,082

LEARNED SOCIETIES

Abdul Bari Academy: Ferangi Mahal, Lucknow; f. 1959; literary and cultural activities; library of 5,000 vols. and historical MSS.

Abdul Kalam Akademi: Patna; f. 1959; preparation and publication of political and secular ideologies of Maulana Azad; library and reading room.

Academy of Zoology: 164 Civil Lines, Agra; f. 1954 500 mems.; library of 5,000 vols., exchange service with other zoological institutions; international organisation and forum for the advancement of zoology; Pres. Dr. B. C. MAHENDRA; Sec. C. P. SINGH; publs. *The Annals of Zoology, The Zoological Memoirs, The Fauna of India, Ceylon, Burma and Pakistan.*

Agri-Horticultural Society of Madras: Cathedral P.O., Madras 6; f. 1835; 500 mems.; Patron H.E. THE GOVERNOR OF MADRAS; Chair. V. T. RANGASWAMY; Hon. Sec. C. S. KRISHNASWAMY; Joint Hon. Sec. C. AUDISESHU, J.P.; Hon. Treas. S. PARTHASANATHY, B.A., M.L.

Andhra Historical Research Society: Godavari Bund Road, Rajahmundry, Andhra Pradesh, South India; f. 1924; 190 mems.; library of 9,600 vols., Oriental MSS. library of 1,000 palm-leaf books in Sanskrit, Telugu, etc.; free reading room and public library; also maintains a museum of copper-plates, coins, archæological exhibits, etc.; Pres. N. KAMESWA RA RAO, B.A., B.L.; Gen. Sec R. SUBBA RAO, M.A., L.T.; publ. *Journal of Historical Research and Histories of Telugu Dynasties.*

Anthropological Society of Bombay: 136 Apollo Street, Fort Bombay; f. 1863; Pres. Dr. V. M. KAIKINI, B.A., F.R.C.S.; Hon. Sec. Dr. P. CABINETMAKER; publ. *Journal.*

Asian Relations Organisation: Sapru House, New Delhi; f. 1947 by the first Asian Relations Conference; objectives: (*a*) to promote the study and understanding of Asian problems and relations in their Asian and world aspects; (*b*) to foster friendly relations and co-operation among the peoples of Asia and between them and the rest of the world; and (*c*) to further their progress and well-being; Chair. JAWAHARLAL NEHRU; Hon. Sec. B. SHIVA RAO; Joint Gen. Sec. A. APPADORAI.

Asiatic Society, The: 1 Park Street, Calcutta; f. 1784; 619 mems.; Pres. Dr. A. C. UKIL, M.B., M.S.P.E., F.S.M.F.B., F.N.I., F.A.S.; Gen. Dec. Sri S. K. SARASWATI, M.A., F.A.S.; publs. *Journal* (4 issues a year), *Year Book, Bibliotheca Indica, Monographs*, etc.

Asiatic Society of Bombay, The: Town Hall, Bombay; f. 1804; 1,039 mems.; library of 160,000 vols.; Pres. The Hon. Mr. M. C. CHAGLA; Hon. Sec. Prof. G. C. JHALA, M.A., Librarian N. A. GORE; publ. Journal and Monographs.

Bar Association of India: Room No. 20, Supreme Court Building, New Delhi.

Bharata Ganita Parisad (formerly Benares Mathematical Society); Mathematics Dept., University, Lucknow; f. 1950; Pres. Dr. GORAKH PRASAD; Sec. Dr. S. C. MITRA; Treas. U. K. SHUKLA; Librarian Dr. B. MOHAN; publs. *Ganita* (Vol. 1–5), *Proceedings of the Benares Mathematical Society*, Vol. I-IX.

Bharata Itihasa Samshodhaka-Mandala: 1321 Sadashiva Peth, Poona, 2; f. 1910 for collecting, conserving and publishing historical materials; collection of 5,100 coins; 25,000 Persian, Sanskrit and Marathi MSS; 1,500,000 documents; about 2,100 old Indian paintings, copperplates, sculptures and archæological exhibits; over 750 mems.; library of 13,000 vols.; Pres. THE RAJA SAHEB OF PHALTAN; Chair. MM. D. V. POTDAR, B.A.; Secs. G. N. MUJUMDAR, G. H. KHARE, V. T. SHETE; publs. *Journal* (quarterly), *Sviya Granthamala Series* (102 issued), *Puraskrita Granthamala* (55 issued).

Bihar Research Society: Museum Buildings, Patna, Bihar; f. 1915; 167 mems.; library of 10,687 vols.; Pres. H.E. THE GOVERNOR OF BIHAR; Sec. S. V. SOHONI, I.C.S.; Librarian Dr. TARAPADA CHOWDHURY, M.A., PH.D.; publ. *Journal.*

Bombay Art Society: Jehangir Art Gallery, Museum, Fort, Bombay; f. 1888; holds one-man shows, lectures and demonstrations; portrait exhibition in Sept., annual exhibition in Dec. or Jan.; Pres. (vacant); Hon. Sec. S. S. BATLIVALA; publ. illustrated catalogues of exhibitions.

Bombay Historical Society: Prince of Wales Museum, Bombay, 1; f. 1925; Pres. P. V. VAIDYE; Hon. Sec. BRAZ A. FERNANDES; publ. *Journal.*

Bombay Medical Union: Blavatsky Lodge Building, Chowpatty, Bombay, 7; f. 1883; 388 mems.; Pres. Dr. THOMAS C. DA SILVA; Jt. Hon. Secs. Dr. H. S. PATEL, Dr. Kum. K. P. THACKER; Jt. Hon. Librarians Dr. M. C. KOTHARY, Dr. Smt. PADMA J. MEHTA.

Bombay Natural History Society: 91 Walkeshwar Road, Bombay, 6; f. 1883; 1,300 mems.; 5,000 vols.; Pres. H.E. THE GOVERNOR OF MAHARASHTRA; Hon. Sec. ZAFAR FUTEHALLY; publ. *Journal.*

British Council, The: regional offices: 21 Jor Bagh, New Delhi 3, Rep. H. P. CROOM-JOHNSON, C.B.E.; French Bank Building, Homji Street, Bombay 1, Rep. J. GOATLY; 5 Theatre Road, Calcutta 16, Rep. F. D. HUGHES; 150B Mount Road, Madras 2, Rep. R. M. AUTY.

Calcutta Mathematical Society: 92 Acharya Prafulla Chandra Road, Calcutta 9; f. 1908; 230 mems.; 4,400 vols.; Pres. Prof. R. N. SEN, M.A., PH.D., F.N.I.; Sec. Prof. U. R. BURMAN; publ. *Bulletin.*

Geological, Mining and Metallurgical Society of India: Calcutta; f. 1924; Pres. S. K. NARGUNDKAR; Joint Secs. N. N. CHATTERJEE, S. K. BOROOAH; 486 fellows, 193 associates; publs. *Journal* (quarterly), *Bulletin.*

Goethe Institut: Max Mueller Bhavan, E-Block, Connaught Place, New Delhi; also at Bangalore, Calcutta, Madras and Poona.

Indian Academy of Sciences: Hebbal P.O., Bangalore 6; f. 1934; 227 Fellows; Pres. Sir C. V. RAMAN; publ. *Proceedings* (monthly).

Indian Adult Education Association: 17B Indraprastha Marg, New Delhi; f. 1939; central organisation of

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adult education workers; recognised by National Govt., Pres. Dr. MOHAN SINHA MEHTA; Sec. S. C. DUTTA; publ. *Indian Journal of Adult Education* (monthly), *Prouh Shiksha* (Hindi bi-monthly).

Indian Botanical Society: University Botany Laboratory, Madras-5; Pres. Prof. T. S. SADASIVAN; Sec. Dr. V. PURI; Treasurer and Editor Prof. T. S. SADASIVAN; publ. *Journal*.

Indian Ceramic Society: Dept. of Ceramics, Banaras Hindu University, Banaras; f. 1929, Sec. Prof. H. N. ROY; publ. *Transactions* (quarterly).

Indian Chemical Society: University College of Science Buildings, 92 Upper Circular Road, Calcutta, 9; f. 1924; 745 mems.; library of 2,987 vols.; Pres. Dr. K. VENKATARAMAN, D.SC., F.R.I.C., F.N.I.; Hon. Sec. Dr. M. M. CHAKRABARTY, M.SC., PH.D.; publs. *Monthly Journal, Indian Journal of Applied Chemistry*.

Indian Council for Cultural Relations, The: Pataudi House New Delhi, 1; f. 1950 to establish, revive and strengthen cultural relations between India and other countries; consists of ten sections covering Asia, Europe and the Americas; exchange visits between scholars, professors and lecturers; library of approx. 15,000 vols.; regular reception of about 150 foreign journals and periodicals; Pres. Prof. HUMAYUN KABIR; Sec. INAM R. KHAN; publs. *Indo-Asian Culture* (quarterly), *Thaqafatu'l-Hind* (quarterly), *Indo-Iranica* (Persian and English; quarterly), and other literature.

Indian Council of World Affairs: Sapru House, Barakhamba Road, New Delhi 1; f. 1943; non-governmental institution for the study of Indian and International questions; 1,500 mems.; Pres. Dr. H. N. KUNZRU; Sec.-Gen. S. L. POPLAI; Over 50 publs., periodicals *India Quarterly* 1944-, *Foreign Affairs Reports* (monthly), 1952-.

Indian Dairy Science Association: Hosur Road, Bangalore 1; Pres. Dr. ZAL R. KOTHAVALLA; Secs. Dr. RANSIT SINGH, Shri K. MUTHUSWAMY; publs. *Indian Journal of Dairy Science* (quarterly), *Indian Dairyman* (monthly).

Indian Institute for Educational and Cultural Co-operation: N. M. Wadia Trust Buildings, 22D Parsi Bazar Street, Bombay; objects: to promote collaboration among men and women of learning and among literary and educational institutions, and to promote studies in international relationships; the Institute also functions as the Bombay Association for the U.N. and the Bombay Chapter for World Brotherhood; Pres. H.E. Mr. SRI PRAKASA, Governor of Maharashtra; Chair. Exec. Cttee. Sir RUSTOM MASANI, M.A.; Hon. Secs. Prof. N. A. NADVI, B. K. KARANJIA, J. F. KAPADIA; Hon. Treas. RAMNATH A. PODAR.

Indian Institute of World Culture, The: 6 Shri B.P. Wadia Road, Basavangudi, Bangalore 4; London Branch: 62 Queen's Gardens, W.2; objects: to provide opportunities for cultural and intellectual development, to promote exchange of thought between India and other countries and to raise the consideration of national and world problems to the plane of moral and spiritual values; Pres. Mme. SOPHIA WADIA; Hon. Dir. M. JACQUES DEDEYN; publs. *Aryan Path* (monthly), *Annual Reports, Transactions*, Reprints and Books.

Indian Institute of Metals: 31 Chowringhee Road, Calcutta 16; f. 1946; Pres. Dr. D. P. ANTIA; Sec. R. D. LALKALA Jt. Hon. Sec. Dr. M. N. PARTHASARATHI; Treasurer; Dr. A. K. SEAL; publ. *Transactions* (quarterly).

Indian Law Institute: Supreme Court Building, New Delhi; f. 1956; purpose of the Institute is to promote advanced studies and research in law and reform of administration of law and justice; Patron-in-Chief, the President of India; Hon. Exec. Chair. Shri B. JAGANNADHADAS; Dir. of Research Prof. A. T. MARKOSE; publ. *Journal of the Indian Law Institute*.

Indian Library Association: 4 Chittaranjan Avenue, Calcutta; f. 1933; 200 mems.; Pres. B. S. KESAVAN, M.A., DIP.LIB.; Hon. Sec. G. B. GHOSH; publ. *Annals, Bulletin* and *Granthalaya* (Abgila) (quarterly).

Indian Mathematical Society: 2 Bhaskarapuram, Madras 4; f. 1907; 800 mems.; 2,000 vols.; Pres. Dr. C. N. SRINIVASIENGAR; Sec. S. MAHADEVAN; Librarian C. T. RAJAGOPAL; publs. *Journal of the Indian Mathematical Society, Mathematics Student*.

Indian Medical Association, The: "Hanging Bridge", Daryaganj, Delhi 6; f. 1928; 22,600 mems.; Pres. Dr. B. P. TRIBEDI; Hon. Gen. Sec. Dr. VED PRAKASH; publs. *Journal* (fortnightly), *Your Health* (monthly), *Ap Ka Swasthya* (Hindi, monthly); affiiliated with the British Medical Association, mem. World Medical Assn.

Indian Music Association: Lucknow; f. 1939; only institution of its kind in India; object: to revive and reorganise the decaying art of Indian music.

Indian Pharmaceutical Association: "Bharati Bhavan", 3rd fl., 213-219 Frere Road, Fort, Bombay 1; Pres. A. RAPTAKOS; Hon. Gen. Sec. Dr. J. N. BANERJEE; Jt. Hon. Gen. Secs. Dr. R. S. BAICHWAL, Dr. K. N. KAUL; publ. *Indian Journal of Pharmacy*, Editor Dr. G. B. RAMASARMA.

Indian Research Society: 78 Serpentine Lane, Calcutta; publs. *Research and Review, Transactions*.

Indian Science Congress Association: 1 Park Street, Calcutta 16; f. 1914; 3,500 mems.; Pres. Dr. S. L. HORA; Gen. Secs. Dr. U. P. BASU, Dr. B. N. PRASAD; publs. *Proceedings* (annual, in 4 parts), *Progress of Science in India* (5 yearly publications), *Reviews* (occasional), *Outline of Field Sciences of India*.

Indian Society of Agricultural Economics: 46–48 Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay; f. 1939; 350 mems.; Pres. Prof. M. L. DANTWALA; Hon. Sec. Shri V. M. JAKHADE; publ. *The Indian Journal of Agricultural Economics* (quarterly).

Indian Society of Oriental Art (Calcutta): 15 Park Street, Calcutta 16; f. 1907; 350 mems.; Pres. ACHARYA NANDO LAL BOSE; to promote all aspects of ancient and contemporary Indian art; publs. *Journal* (annual), portfolios and monographs on Indian art, prints, albums, etc.

Institut Français: Pondicherry; f. 1955; Dir. J. FILLIOZAT,

Institute of Chartered Accountants of India: Mathura Road, New Delhi; f. 1949; Pres. P. BRAHMAYYA; Acting Sec. B. R. MALHOTRA.

Institution of Engineers (India): 8 Gokhale Road, Calcutta 20; f. 1920; incorp. by Royal Charter 1935; 35,812 mems.; twenty-two libraries; Pres. Dr. T. SEN; Sec. B. SESHADRI; publs. *Journal, Bulletin* (monthlies).

Iran League: Navsari Building, Dr. D. N. Road, Fort, Bombay; f. 1922; 628 mems.; Pres. Sir COWASJI JEHANGIR, Bt., K.C.I.E., Secs. KAIKHOSRO A. FITTER, NESHAN-E ELMI; publ. *Quarterly Journal* and *Zoroastrian Religious Literature*.

Iran Society: 12 Kyd Street, Calcutta 16; f. 1944; 180 mems.; Pres. Dr. N. DUTT, M.A., PH.D., D.LITT., F.A.S.; Gen. Sec. Dr. M. ISHAQUE, M.A., B.SC., PH.D.; Hon. Treas. R. T. SAKLATH, B.A.; publ. *Indo-Iranica* (quarterly).

Ismaili Society, The: P.O. Box 6052, Bombay 5; f. 1946; Pres. G. H. BUNDALLY; Hon. Ed. W. IVANOW; publ. Editions of Texts and Translations of original Ismali works, monographs on Ismailism.

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Kalakshetra: Adya, Madras 20; f. 1936; centre for education in classical music, dancing, theatrical art, painting and handicraft; maintains a weaving-centre for the production of silk and cotton costumes in traditional design; maintains Tamil manuscript library and undertakes cultural research; Pres. SRIMATHI RUKMINI DEVI; Sec. K. SANKARA MENON; publ. material relating to education, art and literature.

Madras Literary Society and Auxiliary of the Royal Asiatic Society: College Road, Nungumbakam, Madras 6; Pres. The Hon. Chief Justice S. RAMACHANDRA IYER; Hon. Sec. S. V. B. ROW; Librarian C. N. RAMAKRISHNA IYER, B.A.

Maha Bodhi Society: 4A Bankim Chatterjee Street, Calcutta 12; f. 1891; 11 brs. in other cities; 1,800 mems.; Pres. MAHARAJ KUMAR OF SIKKIM; Gen. Sec. D. VALISINHA; Joint Secs. Ven. N. JINARATANA THERA and Rev. M. SANGHARATANA; publs. *Mahabodhi Journal* (English monthly), *Dharmaduta* (Hindi monthly), books on Buddhism.

Mysore Engineers' Association: Bangalore 1; f. 1863.

Mythic Society: Cenotaph Road, Bangalore 2; f. 1909; Pres. K. GURU DUTT; publ. *Journal* (quarterly).

National Academy of Art (Lalit Kala Akademi): Rabindra Bhavan, 35 Ferozeshah Road, New Delhi; f. 1954; to encourage and promote study and research in fields of painting, sculpture, architecture and the applied arts; co-ordination of activities of State Academies and art associations; arrangement of exhibitions; Gen. Council includes the Director of National Museum of India, the Curator of the National Gallery of Modern Art, representatives of the Central and State Governments and recognised art associations and eminent artists; Chair. MEHDI NAWAZ JUNG; Vice-Chair. N. S. BENDRE; Sec. B. C. SANYAL; publs. art books and brochures; *Lalit Kala* (bi-annual art journal), *Lalit Kala Series of Indian Art, Lalit Kala Series of Contemporary Indian Art.*

National Academy of Dance, Drama and Music (Sangeet Natak Akademi): Rabindra Bhavan, 35 Ferozeshah Road, New Delhi; f. 1952 for the development of Indian dancing and drama, music and films; members include 259 recognised institutions; maintains National School of Drama, Asian Theatre Institute and Manipur Dance College; conducts national festivals; Chair. Dr. P. V. RAJAMANNAR; Sec. Shri K. P. BISWAS; publ. *Journal* (annually).

National Academy of Letters (Sahitya Akademi): Rabindra Bhavan, 35 Ferozeshah Road, New Delhi; f. 1954 for the development of Indian literature, the co-ordination of literary activities in the Indian languages and research in Indian languages and literature; publication of literary works; promotion of cultural exchanges with other countries; Gen. Council consists of eminent persons in the field of letters, nominees of the Central and State Governments, representatives of the universities and one representative of each of the 16 languages of India recognised by the Academy; awards annual prizes in 16 Indian languages; Pres. JAWAHARLAL NEHRU; Vice-Pres. Dr. ZAKIR HUSAIN; publs. *Indian Literature* (English, twice yearly), *Sanskrita Pratibha* (Sanskrit, twice yearly), books and translations into Indian languages.

National Academy of Sciences: Allahabad; f. 1930 for the cultivation and promotion of science in all its branches; Pres. Dr. M. S. RANDHAWA; Vice-Pres. Prof. K, BANERJEE, Prof. P. S. GILL; Secs. Dr. R. N. TANDON. Dr. K. N. MATHUR; 258 mems. including 110 fellows and 31 honorary fellows; publs. *Proceedings* in two Sections—*Section A: Physical Sciences, Section B: Biological Sciences.*

National Book Trust, India: 23 Nizamuddin East, New Delhi-13; f. 1957; to promote book production in the languages recognised by the Constitution of India in the following categories: the classical literature of India, outstanding works of Indian authors in Indian languages and their translation from one Indian language to another, translation of outstanding books from foreign languages, outstanding books of modern knowledge for popular diffusion, to bring out book lists, arrange exhibitions and seminars and make people book-minded; financially supported by the Government of India; Chair. Dr. B. V. KESKAR; Sec. MANJERI S. ISVARAN.

National Council of Education: Calcutta 32; f. 1906; 700 mems.; Pres. B. C. ROY, M.D., M.R.C.P., F.R.C.S.; Sec. S. S. BAGCHI, B.E.E., M.I.E.

National Institute of Sciences of India: Mathura Road, New Delhi 1; f. 1935; 328 Ordinary Fellows, 42 Hon. Fellows; Pres. Dr. A. N. KHOSLA; Secs. S. BASU, Dr. P. MAHESHWARI; Treas. Dr. RAM BEHARI; Foreign Sec. Dr. B. MUKERJI; Editor of Publications Dr. R. C. MAJUMDAR; publs. *Proceedings, Transactions, Bulletins, Progress of Science in India.*

P.E.N. All-India Centre: "Theosophy Hall", 40 New Marine Lines, Bombay 1; f. 1933; over 500 mems.; Founder-Organiser SOPHIA WADIA; Pres. Dr. S. RADHAKRISHNAN; Sec.-Treas. NISSIM EZEKIEL; publ. *The Indian P.E.N.* (monthly), P.E.N. series on Indian literatures.

Rajasthan Academy of Sciences: Pilani; f. 1951; Pres. Prof. S. M. MITRA, D.SC.; Sec. Prof. D. K. SANTRA, PH.D. (LOND.), M.PHARM.; Editor Prof. B. N. MULAY, PH.D., F.B.S.; publ. *Proceedings.*

Royal Agri-Horticultural Society of India: Alipur Road, Calcutta 27; f. 1820; 1,000 mems.; Pres. THE MAHARAJADHIRAJ BAHADUR OF BURDWAN, K.C.I.E.; Officer in charge, V. N. TANKHA, M.A., M.SC.; publ. *Monthly Garden News Sheet.*

Servants of India Society: Poona 4; f. 1905 to train national missionaries for the service of India and to promote, by all constitutional means, the interests of the Indian people; training period, 5 years; 17 mems.; 70,000 vols.; brs. Madras, Bombay, Allahabad, Nagpur, and other centres in many parts of India; Pres. PANDIT H. N. KUNZRU; Sec. S. G. GOKHALE; publ. *Hitavada* (daily).

Society of Biological Chemists, India: Bangalore 12; f. 1930; 500 mems.; Pres. Dr. V. R. KHANOLKAR, M.D.; Sec. Dr. T. RAMAKRISHNAN, M.SC., PH.D.; publs. *Review of Biochemical and Allied Research in India, Proceedings* (annual).

Theosophical Society, The: International Headquarters, Adyar, Madras 20; f. in New York 1875; 33,058 mems. throughout the world; library of 72,000 volumes and 17,100 palm-leaf and paper MSS.; aims: to form a nucleus of the Universal Brotherhood of Humanity; to encourage the study of comparative religion, philosophy and science, and to investigate unexplained laws of nature and the powers latent in man; Pres. N. SRI RAM; Vice-Pres. JAMES S. PERKINS; Recording Sec. JAL B. DORAB; Treasurer HOMI M. SHROFF; publ. *The Theosophist* (monthly).

U.S. Information Centers: 24 Curzon Road, New Delhi; also at Bangalore, Bombay, Calcutta, Hyderabad, Lucknow, Madras, Trivandrum.

Zoological Society of India: 34 Chittaranjan Avenue, Calcutta 12; Pres. Dr. M. L. ROONWAL (Calcutta); Hon. Sec.-Gen. Dr. P. N. GANAPATI (Waltair); Hon. Treas. Dr. B. S. CHAUHAN; publ. *Journal of the Zoological Society of India* (bi-annually).

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RESEARCH INSTITUTES

Agriculture and Fisheries

Agricultural Research Institute: Lawley Road, Coimbatore, Madras; f. 1921.

Agro-Economic Research Centre: Visva Bhanti University, West Bengal; Agricultural economic research.

Central Arid Zone Research Institute: Jodhpur; f. 1959; five divisions: basic resources, resource utilisation, physical and chemical engineering liaison, human factor studies, special animal studies; Dir. P. C. Raheja.

Central Coconut Research Station: Kasargod; f. 1947; Joint Dir. Dr. K. M. Jt. Pandalai; publs. *Bulletin, Indian Coconut Journal.*

Central Inland Fisheries Research Institute: P.O. Barrackpore, via Calcutta; Estuarine, Riverine and Lacustrine, Pond Culture and Training Sections; Chilka Fisheries, Krishna-Goda-vari, Narmada-tapti, Assam Fish Culture, Tank Fisheries, Hilsa Fisheries, Sunderbans Exploratory fishing, Statistical Pathology and Brackish water fish farming Research Units; Dir. Dr. B. S. Bhimachar, D.SC., F.A.SC., F.N.I.

Central Marine Fisheries Research Institute: Mandapam Camp (South India); Dir. Dr. S. Jones, D.SC., F.A.SC., F.Z.S.I.; publ. *Indian Journal of Fisheries.*

Central Potato Research Institute: Simla; Dir. Dr. Pushkarnath, M.SC., PH.D., A.I.A.R.I.; publ. *India Potato Journal.*

Central Rice Research Institute: Cuttack 4; Dir. Dr. N. Parthasarathy, B.A., PH.D., F.N.I.

Central Tobacco Research Institute: Rajahmundry, Andhra Pradesh; f. 1947; under the Indian Central Tobacco Cttee. (Ministry of Food and Agriculture, Govt. of India); applied and fundamental research on all types of tobacco grown in India; regional stations at Guntur, Vedasandur, Pusa, Hunsur, and Dinhata; Dir. Dr. G. S. Murty.

Indian Agricultural Research Institute: New Delhi; f. 1905; Divisions of Agricultural Engineering, Agronomy, Botany, Soil Science and Agricultural Chemistry, Agricultural Physics, Agricultural Economics, Agricultural Extension, Mycology and Plant Pathology, Microbiology, Entomology, Horticulture, Plant Introduction, All-India Soil and Land Use Survey; library of 160,000 vols.; Dir. Dr. B. P. Pal, M.SC., PH.D., F.L.S., F.B.S., F.N.I.; publ. *Scientific Reports* (annually).

Indian Council of Agricultural Research: Krishi Bhavan, New Delhi; f. 1929; to promote agricultural and animal husbandry; sponsors research in conjunction with State Governments, Central and State research institutions, Universities etc.; Pres. Shri S. K. Patil; Vice-Pres. Shri A. D. Pandit; Sec. Shri A. S. Bhatnagar; Agricultural Commissioner Dr. J. S. Patel; Animal Husbandry Commissioner Shri L. Sahai.

National Dairy Research Institute: Karnal, Punjab; f. 1923; Dir. Dr. K. K. Iya, PH.D., A.I.I.SC., I.D.D.; publ. *Indian Journal of Dairy Science.*

National Sugar Institute: Nawabganj, Kanpur; f. 1936; Dir. Mr. S. N. Gundu Rao; Professors G. R. Athavale, S. L. Phansalkar, Dr. S. Mukherjee; publ. *Sharkara.*

Rubber Board and Rubber Research Institute of India: Kottayam; f. 1955 to promote the development of the industry; scientific technological and economic research in improved methods of planting, cultivation; 25 mems.; Chair. Dr. Rama Varma; Sec. S. K. Moorthy; publ. *Rubber Board Bulletin.*

State Agricultural Laboratory: c/o Economic Botanist to the Govt. of Assam, Jorhat, Assam; extensive research on rice, pulse, mustard and cotton cultivation; development of flood resistant varieties of deep water paddy; Economic Botanist N. N. Uzir, B.SC.(AGRI.).

Archaeology, Anthropology

Anthropological Survey of India: c/o The Director, Indian Museum, Calcutta-13; f. 1946; field work and research; Dir. Prof. N. K. Bose, M.SC., F.N.I.; publs. *Anthropology in India, Anthropological Abstracts and Cumulative Index to Current Literature.*

Archaeological Survey of India: Government of India, New Delhi; f. 1902; Dir.-Gen. A. Ghosh, M.A.; publs. numerous articles on Indian history, archaeology and epigraphy.

Ethnographic and Folk Culture Society, The: Anthropology Laboratory, Lucknow University; f. 1945; Pres. Dr. A. V. Rao, PH.D.(CANTAB.); Hon. Sec. D. K. Sen, PH.D.(LOND.); publs. *The Eastern Anthropologist* (thrice yearly), *Prachya Manav Vaignanic* (Hindi), Monographs, Folk Culture Series, Rural Profiles, etc.

Kamarupa Anusandhan Samiti (*Assam Research Society*): Gauhati, Assam; f. 1912; historical and archaeological research; 200 mems.; Pres. P. D. Chaudhury, M.A., B.L.; Joint Secs. M. C. Das, M.A., P. D. Goswami, M.A., D.PHIL.; publ. *Journal of Assam Research Society* (quarterly).

Art, The Arts, Education, Oriental Studies

Abdul Kalam Azad Oriental Research Institute: Hyderabad; f. 1959; research in history, philosophy, culture and languages.

Tamil Academy: Madras; producing 10 vol. Tamil encyclopedia since 1954 (seven vols. so far).

All-India Oriental Conference: Bhandarkar Oriental Research Institute, Poona 4; f. 1919; 530 mems.; Pres. Prof. V. S. Agrawala; Secs. Dr. R. N. Dandekar, M.A., PH.D., Prof. P. N. Pushp; Treas. Dr. S. M. Katre; publs. *Proceedings of its Sessions, Index of Papers* (in three volumes).

Bhandarkar Oriental Research Institute: Poona 4; f. 1917; Sec. Dr. R. N. Dandekar, M.A., PH.D.; Curator A. D. Pusalker, M.A., LL.B., PH.D.; library of 23,560 vols., 22,000 MSS.; publs. *Annals of the Bhandarkar Oriental Research Institute* (quarterly), *Bhandarkar Oriental Series, Bombay Sanskrit and Prakrit Series, Government Oriental Series,* Critical Editions of the *Mahabharata* and *Harivanisa,* and many miscellaneous volumes.

Bharatiya Vidya Bhavan: Chaupatty Road, Bombay 7; f. 1938; objects are to conserve, develop and diffuse Indian culture; post-graduate courses; schools of music, dancing, dramatic art; 530 mems.; library of 65,000 vols.; Pres. Dr. K. M. Munshi, B.A., LL.B., D.LITT.; Vice Pres. Sir H. V. Divatia, Mrs. Lilavati Munshi; Hon. Dir. Prof. J. H. Dave, M.A., LL.B.; Jt. Dir. and Exec. Sec. S. Ramakrishnan; publs. *Bharatiya*

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Vidya (quarterly), *Bhavan's Journal* (fortnightly), *Bharati* (Hindi monthly), *Samarpan* (Gujerati monthly), 7 volumes out of 10 of the *History and Culture of the Indian People*.

Deccan College Post-Graduate and Research Institute: Yeravda, Poona 6; f. 1939; post-graduate research in linguistics, history and sociology; library of 60,000 vols.; Chair. of Council of Management Prof. D. V. POTDAR; Dir. Dr. S. M. KATRE, M.A., PH.D.; joint Dir. Dr. H. D. SANKALIA, M.A., LL.B., PH.D.; Registrar Sri T. R. SATAKOPAN; Curator of Archaeological Museum Dr. Z. D. ANSARI, M.A., PH.D.; Curator of Maratha History Museum Sri P. L. SASWADKAR, M.A.; Librarian V. B. BELSARE, M.A., DIP.LIB.; publs. *Quarterly Bulletin, Monograph Series, Dissertation Series, Sources of Indian Lexicography, Handbook Series*.

Ganganatha Jha Research Institute: Allahabad, U.P.; f. 1943; research into Sanskrit and other Oriental languages; 219 mems.; library of 8,000 vols., 8,000 manuscripts; Pres. Dr. S. RADHAKRISHNAN, D.LITT.; Sec. MM. Dr. U. MISHRA, M.A., D.LITT.; publ. *Quarterly Research Journal*.

Hyderabad Educational Conference: 19 Bachelors' Quarters, Jawaher Lal Nehru Road, Hyderabad, Deccan; f. 1913; to promote academic research, assist needy students and to further education in Andhra Pradesh, India; over 3,700 vols. in library; Pres. MEHDI NAWAZ JUNG BAHADUR (Governor of Gujerat); Vice-Pres. SYED ALI AKBAR, M.A.(CANTAB.); Hon. Sec. BURHANUDDIN HUSSAIN; publs. (in Urdu) *Proceedings of Public Sessions, Educational Annual*, theses on topics of academic interest.

Islamic Research Association: Post Box No. 585, Bombay; f. 1933; Pres. ALI MAHOMED MECKLAI; Sec. S. S. DESNAVI; publs. 12 vols. of research work on *Islamic Studies*.

Jammu and Kashmir Academy of Arts, Culture and Languages: Srinagar, Kashmir; f. 1958; to promote arts and languages of the State; Patron SADRI RIYASAT YUVRAJ KARAN SINGH; Chair. BAKSHI GHULMAN MOHAMAD.

K. R. Cama Oriental Institute and Library: 136 Apollo Street, Fort, Bombay; f. 1916; 150 mems.; 8,000 vols. and about 600 journals; Pres. Sir RUSTOM MASANI, Kt.; Sec. J. C. TARAPORE, M.A., LL.B. Advocate; Librarian K. P. DASTOOR, M.A.; publ. *Journal*.

Kuppuswami Sastri Research Institute, The: Sanskrit College, Madras 4; f. 1944; promotion of Oriental learning; 300 mems.; library of 7,000 vols. (including palm-leaf manuscripts); Pres. Dr. S. RADHAKRISHNAN; Secs. K. BALASUBRAHMANYA AIYER, A. SHAN-MUKHA MUDALIAR, Dr. V. RAGHAVAN; publ. *Journal of Oriental Research* (quarterly).

Mumbai Marathi Granth Sangrahalaya; Bombay; f. 1898; research in Marathi language and literature; Pres. S. K. PATIL.

National Book Trust: f. 1957; to encourage production of good literature and make books available at a cheap price to the public.

National Institute of Basic Education: 41A, 43 and 55 Friends Colony, New Delhi 14; f. 1956; carries out research, training of high-level personnel, production of literature and organisation of programmes, etc.; functions as a clearing-house for information on basic education in Indian and provides guidance on research; Dir. J. K. SHUKLA; publs. *Basic Education Abstracts* (bi-annual), *Buniyadi Talim* (bi-lingual quarterly) and occasional pamphlets, research monographs, etc.

Oriental Institute: Tilak Road, Baroda; f. 1915; library of 18,097 vols. on Indology and Sanskrit, MSS. Library of 21,000 bundles; 10 mems.; publication office of the famous *Gaekwad's Oriental Series*, of which 126 have been edited or translated; Dir. Prof. B. J. SANDESARA; publs. *S.R.G. Lecture Series, M.S. University Oriental Series* and *Archaeology Series, Prachina Gurjara Granthamala Journal, Critical and Illustrated Edition of Valmiki Ramayana*.

Oriental Research Institute: Mysore; library of 44,495 vols.; collection of 12,000 ancient MSS.; Dir. Sri. H. DEVEERAPPA, M.A.

Sri Venkateswara University Oriental Research Institute: Tirupati, Andhra Pradesh; f. 1939; handed over by T. T. DEVASTHANAMS to Sri Venkateswara University on Nov. 1, 1956; research, particularly in Sanskrit and Telugu; Dir. Prof. T. A. PURUSHOTTAM, M.A., PH.D.; publs. Institute *Journal*, and other treatises, including the *Glossary of Indian Philosophical Terms*, and *Bharata Kosa*, a dictionary of technical terms used in Sanskrit, treatises on Music, Dance and Dramaturgy.

Vishveshvaranand Vedic Research Institute: Sadhu Ashram P.O., Hoshiarpur; f. 1903; post-graduate teaching, research and study in Indology, including language, literature, philosophy, religion, history, arts, sciences, etc., and publication of books and journals; 3,000 mems.; library of 50,000 vols.; Pres. Justice MEHR CHAND MAHAJAN; Sec. DIWAN HARIKRISHNA DAS DARHIWALA; Joint Sec. and Dir. Prof. VISHVA BANDHU, M.A., M.O.L.; publs. *Vishva Jyoti* (cultural Hindi monthly); 250 research and general publs. issued so far.

ASTRONOMY

Indian Institute of Astronomical and Sanskrit Research: New Delhi; f. 1959; to promote study and research on ancient Indian systems of astronomy, meteorology and other subjects, including astrology.

BIOLOGY

Birbal Sahni Institute of Palaeobotany: 53 University Road, Lucknow; f. 1946; research in fossil plants in its purely scientific aspects and its application to related sciences; library of 1,500 vols., 125,000 reprints, etc.; Hon. Dir. Mrs. SAVITRI SAHNI; Officer-in-Charge Dr. K. R. SURANGE; publs. *Palaeobotany in India, Sir Albert C. Seward Memorial Lectures, The Palaeobotanist*.

Botanical Survey of India: 14 Madan Street, Calcutta 13; f. 1890; botanical and ecological surveys and researches; Dir. Dr. H. SANTAPU, S.J.; Central National Herbarium and Industrial Section, Indian Museum at Calcutta and Central Botanical Laboratory at Allahabad; regional circles at Allahabad, Poona, Coimbatore, Shillong and Dehra Dun; publs. *Bulletin of the Botanical Survey of India: Bobsi* (quarterly), Records and Reports, Indian Floras.

Indian Association of Systematic Zoologists: c/o Zoological Survey of India, 34 Chittaranjan Avenue, Calcutta 12; f. 1947; Pres. Dr. M. L. ROONWAL.

Institute of Plant Industry: Indore, Madhya Pradesh; f. 1924; research in cotton genetics, and in crop improvement of cotton and rotation crops; Dir. RAI BAHADUR R. L. SETHI, I.A.S. (Retd.), M.SC., B.SC. (Edin.).

Zoological Survey of India: 34 Chittaranjan Avenue, Calcutta 12; f. 1916; activities include maintenance of national collections, field surveys and research; library of about 34,000 vols., 700 periodicals; Dir. Dr. M. L. ROONWAL; publs. *Records of the Indian Museum* (quarterly), *Memoirs of the Indian Museum, Annual Reports on the Zoological Survey of India, Fauna of India*.

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Geology

Geological Survey of India: 27 Chowringhee Road, Calcutta; f. 1851; devoted to study of geology, geophysics, ground water, engineering geology, mineral resources, exploration and research; Dir.-Gen. Dr. B. C. Roy, B.Sc., A.I.S.M., M.Sc., D.I.C., DR.ING.; publs. Records, Memoirs, Bulletins, *Indian Minerals, Palaeontologia Indica.*

Mining, Geological and Metallurgical Institute of India: 29 Chowringhee Road, Calcutta; f. 1906; 990 mems.; Pres. G. S. Jabbi; Hon. Sec. S. K. Sircar.

Medicine, Health, Psychology

All-India Institute of Medical Sciences: New Delhi; f. 1956; undergraduate and post-graduate training; research in all branches of medicine; clinics and hospital.

Central Drugs Laboratory: Govt. of India, 3 Kyd Street, Calcutta 16; f. 1937; standardisation and testing of drugs; Dir. Dr. D. Ghosh, M.Sc., PH.D.(WIS.).

Central Research Institute: Kasauli, Punjab; f. 1905; Biological Product Manufacturing and Medical Research Institute of Govt. of India; Dir. Dr. J. B. Shrivastav, M.D., D.B.; publs. *Indian Journal of Medical Research* and *Indian Research Memoirs, Annual Report.*

Haffkine Institute: Parel, Bombay 12; f. 1896; principal centre of plague research in India; library of 25,000 vols.; Dir. Dr. H. I. Jhala, M.D., F.C.P.S., D.T.M.; Depts.: Bacteriology, Biochemistry, Chemotherapy, Clinical Pathology, Entomology, Immunology, Pharmacology, Virology (including Rabies), and a Blood Bank, each with its staff of scientists; publs. *Annual Report* and papers in scientific journals.

Helminthological Society of India: 34 Chittaranjan Avenue, Calcutta 12; Pres. Dr. H. D. Srivastava Izatnagar; Treas.-Sec. Dr. B. S. Chauhan; publ. *Indian Journal of Helminthology* (bi-annual).

Indian Cancer Research Centre: Parel, Bombay 12; National Research Prof. Dr. V. R. Khanolkar, B.Sc.(Lond.), M.D.(Lond.), Hon. F.R.C.P.(Edin.), Hon. LL.D.(Mel.), Hon. D.M.S.(Perugia), M.D.; Acting Dir. Dr. (Mrs.) Kamal J. Ranadive, M.Sc., PH.D.

Indian Council of Medical Research: Medical Enclave, Ansari Nagar, New Delhi; f. 1911; assists in financing medical research; Pres. Dr. Sushila Nayar; Dir. Dr. C. G. Pandit, PH.D., M.B.B.S., D.P.H., D.T.M., F.N.I.; Chair. Scientific Advisory Board Dr. M. S. Chadha, Dir.-Gen. of Health Services; Gov. Body of 17 mems.; Scientific Board of 16 mems.; publs. *Indian Journal of Medical Research, Indian Journal of Malariology, Annual Technical Report, Special Reports.*

Indian Veterinary Research Institute: Izatnagar, Bareilly; Dir. M. R. Dhanda, L.V.P., M.S., DIP.BACT.

Institute of Child Health: 95 Dilkhusa Street, Calcutta 17; f. 1953; Department of Child Health, University College of Medicine, Calcutta University; Director and Head of the Dept. Dr. K. C. Chaudhuri; teaching and research in child health; following are the departments in charge of a Professor or an Associate Professor: Bio-chemistry and Nutrition, Radiology and Tracer Laboratory, Pathology and Biochemistry, Preventive Pediatrics and Clinical Pathology.

King Institute of Preventive Medicine: Guindy, Madras 32; f. 1903; 14,344 vols.; Dir. Dr. S. Govindarajan, M.D., D.B.; publ. *Annual Reports.*

Malaria Institute of India: 22 Alipore Road, Delhi; malaria and filaria research and control, training of medical officers, inspectors, entomologists and engineers; f. 1927; Dir. Dr. S. P. Ramakrishnan, M.B.B.S., D.P.H., D.Sc.(P.H.); Deputy Dirs. Dr. N. G. S. Raghavan, B.A., M.B.B.S., Dr. A. K. Krishnaswami, M.B.B.S., PH.D.; publs. *Indian Journal of Malariology* (quarterly), Health Bulletins.

National Malaria Eradication Programme: 22 Alipore Road, Delhi; co-ordination, technical guidance and planning of a nation-wide eradication programme; f. 1958; Dir. Dr. A. P. Ray, M.B.B.S., PH.D.

National Tuberculosis Institute: Govt. of India, 'Avalon', 8 Bellary Road, Bangalore, 3; f. 1960; 220 mems.; training and control programmes; Dir. Dr. Raj Narain.

King Edward VII Memorial Pasteur Institute and Medical Research Institute: Shillong, Assam; f. 1917; maintained by Govt. of Assam; Dir, Dr. R. L. Cunville, B.Sc., M.B., A.M.S.

Pasteur Institute of Southern India: Coonoor (Nilgiris); f. 1907; 8080 vols.; work on virus diseases incl. rabies, influenza, adenoviruses, enteroviruses, pox group of viruses and general bacteriology; Dir. Dr. N. Veeraraghavan, M.B., B.S., D.Sc.; publ. *Annual Report.*

School of Tropical Medicine: Chittaranjan Avenue, Calcutta; f. 1920; research and teaching; Dir. Dr. R. N. Chaudhuri (Tropical Medicine), Dr. H. N. Ray, Dr. A. K. Mukherjea (Photozoology), Dr. D. Barua (Bacteriology), Dr. S. M. Ghosh (Entomology), Dr. R. N. Chakravarty (Chemistry), Dr. P. C. Sen Gupta (Pathology), Dr. J. B. Chatterjea (Haematology), Dr. R. L. Nath (Biochemistry), Dr. M. L. Chatterjee (Pharmacology), Dr. A. B. Chowdhury (Helminthology), Dr. D. Lahiri (Dermatology), Dr. S. R. Bose (Medical Mycology), Dr. J. K. Sarkar (Virology), Dr. N. Mukherjee (Leprosy), Dr. S. N. Chatterjee (Biophysics).

Yoga Institute, The: Santa Cruz, Bombay 55; f. 1918 to promote self-education, physical, mental, moral and psychic, aided by the science of Yoga; to conduct academic and scientific research in Yoga culture and technique; publs. *Yoga Studies, Yoga: Journal of the Yoga Institute* (monthly), and other literature.

Meteorology, Astronomy

Alipore Observatory and Meteorological Office: Calcutta; f. 1877; publ. *The India Meteorological Department.*

Astronomical Observatory: Presidency College, Calcutta; f. 1898; Dir. Dr. N. L. Ghosh.

Astronomical Observatory of St. Xavier's College of the University of Calcutta: 30 Park Street, Calcutta; f. 1875; Dir. Rev. F. Goreux, S.J.

Astrophysical Observatory: Kodaikanal, S. India; f. 1898; 88 staff; 13,500 vols.; Dir. Dr. M. K. Vainu Bappu, A.M., M.Sc., PH.D., F.R.A.S., F.A.Sc.; publs. *Bulletin, Annual Report.*

Central Seismological Observatory: Shillong; headquarters at New Delhi.

Colaba and Alibag Observatories: Colaba (f. 1841) and Alibag (f. 1904); Dir. S. L. Malurkar; Asst. Meteorologist A. J. Shirgaokar.

High-Altitude Research Observatory: Gulmarg, Kashmir; f. 1951; studies principally cosmic rays; operated jointly by the universities of Aligarh and Jammu and Kashmir; Dir. Dr. P. S. Gill, PH.D., F.N.I.

Indian Meteorological Department: f. 1876; the scientific activities of the department cover research in all branches of meteorology, including agricultural and hydrological meteorology, terrestrial magnetism, atmo-

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spheric electricity, seismology, astrophysics including solar physics, stellar astronomy and radioastronomy; Dir.-Gen. P. R. KRISHNA RAO, BSC., F.A.SC., F.R.MET.SOC.; Dir.-Gen. of Observatories, Lodi Road, New Delhi 3; Central Weather Office, Ganeshkhind Road, Poona 5; publs. *Indian Ephemeris and Nautical Almanac, Indian Journal of Meteorology and Geophysics* (quarterly), *Indian Weather Review* (annual), *Memoirs, Seismological Bulletin* (monthly), *Kodaikanal Observatory Bulletin* (annual), *Colaba Magnetic Data* (annual).

National Institute of Practical Psychology: Sunama House, Malabar Hill, Bombay; Dir. Dr. JAL DASTAR C. PAVRY.

Nizamiah Observatory: Begumpet, Hyderabad-16, Andhra Pradesh; f. 1908, transferred to control of Osmania Univ. 1919; 12,000 vols.; Dir. Prof. R. V. KARANDIKAR, M.SC., PH.D.; publs. *Astronomical, Seismological, Rainfall* and *Annual Reports*.

Observatory of Geodesy and Geophysics: Geodetic and Research Branch, Survey of India, Dehra-Dun; f. 1800; Dep. Dir. Lt.-Col. K. L. KHOSLA, B.SC., B.E.(CIVIL), A.M.I.E.(IND.), M.A.S.C.E.(U.S.A.); publ. *Reports*.

Office of Deputy Director-General of Observatories (Instruments): Lodi Road, New Delhi; library of 6,000 vols.; Deputy Dir.-Gen. of Observatories (Instruments) P. R. KRISHNA RAO, B.SC., F.A.SC., F.R.M.S.

Regional Meteorological Offices: these all issue daily weather reports:

Calcutta (Alipore): f. 1877; Dir. A. K. ROY, B.SC., B.A.

Bombay (Colaba Observatory): f. 1847; library of 6,400 vols.; Dir. J. M. SIL, B.A.

Nagpur (New Colony): f. 1894; Dir. Dr. S. MULL, M.SC., PH.D., D.I.C.

Madras (Naksahwa Bungalow, College Road): f. 1792; Dir. Dr. S. R. SAVUR, M.A., PH.D.

PHILOSOPHY, POLITICS

Gokhale Institute of Politics and Economics: Poona 4; f. 1930; study and research concerning economics and political problems, training of research workers; 31 teaching and administrative staff, 20 research assistants and 18 research fellows; library of 88,000 vols., 650 periodicals; Dir. Prof. D. R. GADGIL, Joint Dir. Prof. N. V. SOVANI; Head Agricultural Economics Section Prof. V. M. DANDEKAR; Head Applied Statistics Section Prof. A. R. KAMAT; Registrar Shri D. P. APTE; numerous publications.

Indian Institute of Philosophy: Amalner (E. Khandesh); f. 1916; comparative study of Indian and European philosophy; 12 mems.; library of 4,500 vols.; publs. *English Language Quarterly, Philosophical Quarterly*. 6 fellowships awarded yearly for research.

PUBLIC ADMINISTRATION AND SOCIAL SCIENCE

Indian Institute for Population Studies: Gandhinagar, Madras 20; Dir. Dr. S. CHANDRASEKHAR.

Indian Institute of Public Administration, The: Indraprastha Estate, Ring Road, New Delhi 1; f. 1954 to promote the study of public administration; research on the working of government machinery; training courses; library; publications on Indian administration; quarterly organ: *The Indian Journal of Public Administration*; Pres. JAWAHARLAL NEHRU; Editor L. D. SINGH; Dir. V. K. N. MENON.

Tata Institute of Social Sciences: Chembur, Bombay; f. 1936; teaching and research in social sciences, social work and allied problems; Dir. Dr. M. S. GORE; publ. *Indian Journal of Social Work* (quarterly).

UNESCO Research Centre on Social and Economic Development in Southern Asia (formerly *UNESCO Research Centre on the Social Implications of Industrialisation in Southern Asia*, Calcutta): University Enclave, Delhi, 6; 14 countries in South and South-East Asia receive assistance in social science research and documentation; Dir. PIERRE O. BESSAIGNET; Senior Research Officer Prof. L. H. PALMIER; publs. *Research Information Bulletin: Social Science Projects in Southern Asia* (annual), *South Asia Social Science Bibliography* (annual).

SCIENCE

Bose Research Institute: 93/1 Acharya Prafulla Chandra Road, Calcutta 9; f. 1917; research in biology, cytogenetics, mutation, physiological genetics, antibiotics, biochemistry, chemistry of plant products, physical- and radio-chemistry, radiation and nuclear physics; experimental stations at Falta and Shamnagar and a high-altitude laboratory at Darjeeling; Dir. D. M. BOSE, M.A., PH.D., F.N.I.; Registrar N. DAS GUPTA, B.SC., B.L.; publs. *Transactions, Annual Reports, Memorial Lecture*.

Indian Association for the Cultivation of Science (I.A.C.S.): Jadavpur, Calcutta 32; f. 1876; 492 mems.; library of 16,563 vols.; Pres. R. P. MUKHERJEE, M.A., B.L.; Dir. Prof. K. BANERJEE, D.SC., F.N.I.; Registrar S. N. SEN, M.SC.; Profs. S. C. SIRKAR, D.SC., F.N.I., S. R. PALIT, D.SC., F.R.I.C., B. N. SRIVASTAVA, D.SC., F.N.I., A. BOSE, D.SC., F.N.I., D. BASU, PH.D., P. C. DUTTA, D.SC., N. K. DUTTA, D.SC.; Librarian K. BHATTACHARYYA, B.SC.(HONS.), DIP.LIB.; publs. *Indian Journal of Physics*, bulletins and special publications.

Indian Institute of Science: Bangalore 12, S. India; f. 1909; 9 Fellowships, 10 Hon. Fellowships, 350 Associateships, 5 memberships; 490 Certificates of Proficiency, 1,036 Diplomas and 686 Degrees; Dir. Dr. S. DHAWAN, PH.D.; Registrar A. G. PAI, M.A.; Librarian B. V. RAGHAVENDRA RAO, D.SC.; 89,700 vols.; publ. *Journal of the Indian Institute of Science*.

Institute of Science: Mayo Road, Fort, Bombay; f. 1920; awards 12 Scholarships, 12 Fellowships, 10 Sir Currimbhoy Ebrahim Scholarships for Maharashtra Prov. Mohammedan students, plus Govt. open merit and special Scholarships; Principal Dr. D. V. BAL, M.SC., PH.D.; Librarian Miss D. S. GIDVANI, M.A., B.SC., DIP.LIB.; staff of 14 professors, 5 lecturers, 6 Research Assistants, 7 demonstrators; publ. *Magazine* (half-yearly).

Physical Research Laboratory: Ahmedabad; f. 1947; centre for post-graduate studies leading to M.SC. and PH.D. degrees by research in experimental and theoretical physics; four depts. atmospheric physics, cosmic rays, radio physics and electronics, theoretical physics; Dir. Dr. K. R. RAMANATHAN, M.A., D.SC., F.A.SC., F.N.I.

Raman Research Institute: Hebbal P.O., Bangalore 6; Dir. Sir C. V. RAMAN.

Saha Institute of Nuclear Physics: 92 A. P. Chandra Road, Calcutta 9; f. 1951; mems.: 113 research, 126 technical, 57 admin.; library of 4,300 books and 3,500 journals; research and teaching in nuclear science; Dir. B. D. NAG, M.SC., PH.D.

Tata Institute of Fundamental Research: Colaba, Bombay 5; f. 1945; fundamental research in nuclear science and in mathematics; national research centre of the Government of India; Dir. Dr. H. J. BHABHA, F.R.S.

STATISTICS

Indian Statistical Institute: 203 Barrackpore Trunk Road, Calcutta, 35; f. 1931; research and training for Statistician's Diploma and Computer's Certificate, B.Stat.

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and M.Stat. degree courses; maintains international statistical education centre, and specialised library; Pres. C. D. DESMUKH; Chair. D. N. MITRA; Sec. Prof. P. C. MAHALANOBIS; publ. *Sankya, The Indian Journal of Statistics.*

TECHNOLOGY

Council of Scientific & Industrial Research: Rafi Marg, New Delhi; 1942; the twenty-six national research laboratories described below have been established under the Council, which is itself responsible to the Ministry of Scientific Research and Cultural Affairs; Pres. JAWAHARLAL NEHRU; Vice.-Pres. Prof. HUMAYUN KABIR; Dir.-Gen. Prof. M. S. THACKER; Sec. P. M. SUNDARAM; Publs. *Wealth of India, Journal of Scientific and Industrial Research, Research and Industry* (monthly), *Vigyan Pragiti, C.S.I.R., News*, Bulletins, Monographs, etc.

National Physical Laboratory of India: Hillside Road, New Delhi, 12; f. 1950; fundamental and applied research in physics; maintenance of standards; testing; Dir. Prof. M. S. THACKER, D.SC.*h.c.*, D.LITT.*h.c.*, D.ENG.*h.c.*, F.N.I.

National Chemical Laboratory of India: Poona 8; f. 1950; physical, inorganic, organic, plastics and polymer chemistries; biochemistry; chemical engineering research and development; Dir. Dr. K. VENKATARAMAN, M.A., M.SC., PH.D.

National Metallurgical Laboratory: Jamshedpur; f. 1950; ore dressing, production, physical and chemical metallurgy; Dir. Dr. B. R. NIJHAWAN, PH.D.; publ. *NML Technical Journal.*

Central Fuel Research Institute: P.O. F.R.I., Dhanbad, Bihar; f. 1950; survey of coal resources; coal carbonisation and by-products; liquid and gaseous fuels; six regional coal survey stations; Dir. Dr. A. LAHIRI; publ. *FRI News.*

Central Glass and Ceramic Research Institute: Jadvpur, Calcutta, 32; f. 1950; fundamental and applied research on glass and ceramics; refractories; optical glass; technical assistance to the industry, testing and standardisation; Dir. Dr. ATMA RAM, D.SC., F.N.I.; publ. *C.G.C.R.I. Bulletin.*

Central Food Technological Research Institute: Cheluvamba Mansion, Mysore; f. 1950; food processing; food conservation and preservation; nutritional, dietetic, technological and biochemical studies; microbiology, packaging, quality control and engineering aspects of food technology; information, statistics and extension services, Dir. Dr. V. SUBRAHMANYAN, D.SC., F.R.I.C., F.N.I.; publs. *Food Science* (English monthly), *Ahara Vinjana* (Kannada quarterly), *Khadya Vigyan* (Hindi quarterly), and others.

Central Drug Research Institute: Chattar Manzil Palace, Lucknow; f. 1951; biochemical, pharmacological, chemical, microbiological, biophysical and medical research; Dir. Dr. B. MUKERJI, D.SC., M.B., F.A.A.S., F.A.PH.S., F.P.S., M.S.PH.S., F.I.C., F.N.I.

Central Electrochemical Research Institute: Karaikudi, Madras; f. 1953; electrochemical and allied research; Dir. Prof. K. S. G. DOSS, D.SC., F.R.I.C., F.INST.P., F.A.SC., F.N.I.

Central Leather Research Institute: Adyar, Madras-20; f. 1953; all aspects of leather research; Dir. Dr. Y. NAYUDAMMA; publ. *Bulletin.*

Central Building Research Institute: Roorkee; f. 1953; engineering and structural aspects of building and human comforts in relation to buildings; Dep. Dir.-in-Charge SHII DINESH MOHAN, C.E.(HONS.), M.I.E., M.A.S.C.E., A.M.I.C.E.

Central Road Research Institute: P.O. CRRI, New Delhi; f. 1952; research in all aspects of road building and traffic flow; Dir. S. R. MEHRA, M.I.E., M.I.C.E., F.N.I.; publs. *Road Research Papers, Road Research Notes, Road Research Monographs. CRRI-Road Abstract.*

National Botanic Gardens: Lucknow; f. 1953; botanical and horticultural research; plant chemistry; introduction of medicinal, fibre-yielding and essential oil-bearing plants; Dir. Prof. M. N. KAUL.

Central Salt Research Institute: Bhavnagar; f. 1954; preparation of high-purity edible salt and various grades of salt for consumer and industrial purposes; investigations into the exploitation of bittern, inland lake bittern, sub-soil saline earths, etc.; Dir. Dr. A. N. KAPPANNA, D.SC.

Regional Research Laboratory: Hyderabad; f. 1956; the first regional laboratory under the Council of Scientific and Industrial Research; research on utilisation of regional raw materials and development of industries; physical, analytical and organic chemistry; chemical engineering; heavy chemicals and fertilisers; ceramics, essential oils; Dir. Dr. S. HUSAIN ZAHEER, M.A., D.PHILL.NAT.; Dep. Dir. Dr. G. S. SIDHU, M.SC., PH.D.(LUCKNOW).

Indian Institute for Biochemistry and Experimental Medicine: P-27 Prinsep Street, Calcutta 13; f. 1956; fundamental and applied research on nutritional, biochemical and microbiological problems of medicine; Dir. Dr. J. C. RAY, M.D., F.N.I.; publ. *Annals of Biochemistry and Experimental Medicine* (monthly).

Central Mining Research Station, Council of Scientific and Industrial Research: Dhanbad, Bihar; f. 1956; research on safety, health and efficiency in mining; Officer on Special Duty, Dr. K. N. SINHA.

Central Electronics Engineering Research Institute: Pilani, Rajasthan; f. 1953; Design and construction of electronic equipment, components and test equipment. Dep. Dir. Dr. AMARJIT SINGH.

Birla Industrial & Technological Museum: 19, Gurusaday Road, Calcutta-19; f. 1959; portrayal of recent advances in science and technology and their application to industry and human welfare, through suitable static and working models, posters, diagrams and charts; Officer-in-charge, A. BOSE.

Regional Research Laboratory: Jammu & Kashmir; f. 1957; drug and medicinal plants; introduction of exotic plants, particularly from temperate zones; plant chemistry, extraction and processing of drugs; Dep. Dir. Dr. I. C. CHOPRA, M.A., L.R.C.P., M.R.C.S., D.I.M.

Central Mechanical Engineering Research Institute: Mahatma Gandhi Avenue, Durgapur; f. 1958; materials, mechanisms and machines; heat engines and heat transfer; designs and production; Dir. V. CADAMBE, M.SC., M.S.

Central Public Health Engineering Research Institute: Nagpur; f. 1958; chemical, biological and microbiological research; instrumentation and field investigations; Dir. R. S. MEHTA; publ. *Environmental Health.*

National Aeronautical Laboratory: Jaya Mahal Road, Bangalore 1; f. 1959; scientific investigations of the problems of flight with a view to their practical application to the design, construction and operation of aircraft in India; Dir. Dr. P. NILAKANTAN.

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Regional Research Laboratory: P.O. Jorhat, Assam; f. 1959; research on raw materials of the region comprising the State of Assam and the surrounding N.E.F.A., Manipur, Tripura and Dooars and other regional needs posing special problems; Dir. Dr. B. N. MITRA, M.SC., PH.D., D.SC., F.R.I.C.

Central Indian Medicinal Plants Organisation: National Botanic Garden's Compound, Lucknow; f. 1959; co-ordination of activities in the development of cultivation and utilisation of medicinal plants on organised basis. Officer-in-charge Prof. K. N. KAUL, F.L.S.

Central Scientific Instruments Organisation: CSIR Buildings, Rafi Marg, New Delhi 1; f. 1959; promotion and development of indigenous manufacture of scientific instruments for teaching research, industry and essential services. Dir. Dr. K. N. MATHUR, D.SC.

Indian Institute of Petroleum: Dehra Dun (temporarily located in Central Road Research Institute, New Delhi); f. 1960; research in petroleum refining and processing of natural gas, petro-chemicals, etc.; Planning Officer, Dr. J. W. WHITAKER.

Central Water and Power Research Station: 20 Bombay Poona Road, Poona; f. 1937, field station at Khadakwasla; 13 divisions: Hydraulics, High-head Structures, Floods, Tidal Hydraulics, Ports and Harbours, Ship Testing and Instrumentation, Concrete, Statistics, Mathematics, Physics, Soil Chemistry, Photoelasticity Earthquake Engineering Research and Geophysics; 12,000 vols.; Dir. C. V. GOLE; publs. *Annual Research Memoirs.*

Forest Research Institute: New Forest, Dehra-Dun, U.P.; f. 1906; 1,277 mems.; 60,000 vols.; Pres. R. N. DATTA, I.F.S.; 8 divisions, 3 colleges; publ. *Annual Reports*, etc.

Indian Lac Research Institute: Namkum, Ranchi, Bihar, f. 1924; chemical and entomological sections; 54 mems.; including Dir. and 25 research workers; about 6,730 vols.; Dir. Dr. P. K. BOSE; publs. *Research Bulletins, Technical Notes, Research Notes, Annual Reports*, books, etc.

Institute of Radiophysics and Electronics: 92 Acharya Prafulla Chandra Road, Calcutta; f. 1949; houses post-graduate teaching and research dept. of Univ. of Calcutta Faculty of Technology; 3-year course leading to M.TECH. degree in radio physics and electronics; research facilities in ionosphere, radio wave propagation, electronic circuitry and computers, maintains ionosphere field station at Haringhata; Dir. Prof. J. N. BHAR, D.SC., F.N.I.; publ. annual research reports.

Railway Testing and Research Centre: Ministry of Railways, Government of India, Alambagh, Lucknow; f. 1952; Dir. T. A. RAO; maintains a specialised Library and Information Service for Indian Railways; publs. *Indian Railway Technical Bulletin* (quarterly), *Documentation Notes* (monthly), *Technical Papers* (occasional), *Technical Monographs* (occasional), *Research Reports, Annual Reports.*

Technological Laboratory, Indian Central Cotton Committee: Matunga, Bombay; f. 1924; Dir. Dr. R. L. N. IYENGAR, D.SC., F.T.I.; 9 assts.; publs. *Technological Bulletins*, Series A (112 issued), Series B (85 issued), *Technological Leaflets* (73 issued).

The following four Research Institutes are maintained by the Directorate of Industries, Govt. of West Bengal:

Bengal Ceramic Institute: Calcutta, 10; f. 1941.

Bengal Textile Institute: Serampore; f. 1904.

Berhampore Textile Institute: Berhampore; f. 1925.

Industrial Research Laboratory and Bengal Tanning Institute: Calcutta; f. 1919.

LIBRARIES

NOTE.—There are more than 1,100 libraries in India, of which over half are attached to universities and colleges; details of some of the latter will be found under the entries in that section. The National Library (details below) is in Calcutta and the National Archives of India are in New Delhi. Public libraries number about 250 and 110 libraries are attached to Central Ministries, to government offices or to State Departments. A selection of the more established libraries is listed below:

Allahabad Public Library: Allahabad; f. 1864; 60,566 vols.; Librarian G. D. SHARMA.

Amir-ud-Daula Government Public Library: Jaikashbagh, Lucknow; f. 1910; 43,887 vols.; Librarian K. KUMAR, B.A., LL.B., D.L.SC.

Andhra Sahitya Parishat (*Telugu Academy*): Kakinada Andhra State, Madras; f. 1911; library of nearly 6,000 M.SS and 7,000 vols. in Telugu, Sanskrit and English; Pres. Sri BANDARU THAMMAYYA.

Asafiyah State Library: Hyderabad; f. 1891; 88,847 vols., 14,883 manuscripts; Librarian Dr. M. R. KHAN, M.A., DIP.L.SC., D.PHIL., F.L.A.

Baghbazar Reading Library: 2, K.C. Bose Road, Calcutta 4; f. 1883; 35,200 vols.; Librarian MANINDRA NATH DAS.

Bangalore Public Library: Cubbon Park, Bangalore 1, Mysore; f. 1914; 34,481 vols.; Librarian V. VEDARATNA, B.SC., B.T., DIP.LIB.SC.

Bharata Itihasta Samshodhaka Mandala Library: 1321 Sadashiva Peth, Poona, 2; f. 1910; 13,000 vols.

Central Library: Baroda; f. 1910; 146,142 vols.; Librarian U. M. PATEL, B.A., ED.DIP.

Connemara Public Library: Egmore, Madras 8; f. 1896; deposit library from 1954 for all Indian publications; also for UNO and UNESCO publications; 157,900 vols.; Librarian V. THILLAINAYAGAM, M.A., M.L.S., B.T.

Delhi Public Library: S. P. Mukerji Marg, Delhi, 6; f. October 1951 in association with UNESCO; established as a model for public library development in south-east Asia; consists of children's department, reference section, lending library and a social education and extension service and a Braille section; 6 branches in New Delhi; over 200,000 vols. in English, Urdu, Punjabi and Hindi; serves 300,000 people a month; Dir. D. R. KALIA.

Ewing Memorial Library: Forman Christian College, Lahore; f. 1866; 48,000 vols.; Librarian Mrs. E. MELLORS.

Gauthami Library: Rajahmundry, Andhra Pradesh; f. 1898; research library of 60,000 vols.; Pres. Sri VADREVU BAPIRAJU, B.A., B.L.; Gen. Sec. Sri TENNETI RAMASANKARAM.

Gujarat Vidyapith Granthalaya Library: Ahmedabad 14; f. 1920; 117,707 vols.; Librarian C. P. BAROT.

Historical Archives of Goa: Panjim, Goa; f. 1932; Dir. VITHAL TRIMBAK GUNE.

Indian Council of World Affairs Library: Sapru House, New Delhi, 1; f. 1950; research collections on international affairs, law and Asian studies; over 75,000 vols., 1,100 periodicals and 100,000 documents; Press library; departments of maps and documents; Librarian

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GIRJA KUMAR; publs. *Select Articles on Current Affairs* and *Documents on Asian Affairs: Select Bibliography* (annual).

Indian Institute of World Culture Library: 6 Shri B.P. Wadia Road, Basavangudi, Bangalore 4; f. 1957; 16,000 vols.; Librarian A. K. BALASUBRAMANIAM.

Jamia Library: Jamia Millia, Islamia, P.O. Jamia Nagar, New Delhi; f. 1920; 19,551 vols.; Librarian NABI AHMAD.

Jamia Nizamial Library: Hyderabad; f. 1875; 25,000 vols

Jamsetjee Nesserwanjee Petit Institute Library: Bombay; f. 1856 as "Fort Improvement Library"; moved 1898 to own building; 80,000 vols.; Librarian M. K. MOWDAVALA, B.A., LL.B., A.L.A.

Karvir Nagar Wachan Mandir Library: Kohlapur; f. 1850; 30,000 vols.

Khudabux Library: Patna, Bihar; contains rare MSS. in Arabic and Persian, many illuminated.

Madras Government Oriental Manuscripts Library: P.O. Triplicane, Madras 5; f. 18th century; contains rare and important collection of MSS. in Sanskrit and South Indian languages; 79,912 vols.; Curator and Ed. P. THIRUGNANASAMBANDHAN, M.A., L.T.

Madras Literary Society Library: Madras; f. 1812; 100,974 vols.; Librarian C. N. RAMAKRISHNA IYER, B.A.

Mumbai Marathi Granth Sangrahalaya: Bombay; f. 1898; 26,715 vols.; Librarian B. D. SATOSKAR, B.A., DIP.LIB.

National Archives of India: New Delhi; records cover about 16 miles of shelf space; Deputy Director-in-Charge S. ROY, M.A.; Asst. Dirs. R. C. GUPTA, M.SC., V. C. JOSHI, M.A., A. I. TIRMIZI, M.A., Miss D. G. KESWANI, M.A., B.T., S. K. SAENA, M.A.

National Library: Belvedere, Calcutta 27; f. 1902; by the amalgamation of the Calcutta Public library and the Imperial library; depository and research library; 1,117,871 vols., 5,912 maps, 2,584 MSS.; Librarian Y. M. MULAY, M.A., F.L.A.; publs. *India's National Library, General Collection Author and Subject Catalogues, Annual Reports*, etc.

Nilgiri Library: Ootacamund; f. 1859; 28,110 vols.

Rammohun Library: 267 Acharya Prafulla Chandra Road, Calcutta, 9; f. 1905; 20,800 vols.; Librarian R. BHATTACHARYA, M.A.

Sheth Maheklal Jethabhai Pustakalaya (Free Public Library): Ellis Bridge, Ahmedabad, 6; f. 1937; 70,000 vols.; Librarian M. M. PATEL, M.A., DIP.LIB.SC.

Shrimati Radhika Sinha Institute and Library: P.O. Box 62, Patna; f. 1922; 32,531 vols.; Librarian P. N. GOUR.

Trivandrum Public Library: Trivandrum, Kerala State; f. 1847; 75,000 vols.; Librarian M. M. JOHN, M.S., M.S.L.S.

MUSEUMS

Museums Association of India: Elphinstone College Building, Bombay, 1; f. 1943; practically all museums in India are members of the association; 500 vols. in library; Pres. KHWAJA MUHAMMAD AHMAD, M.A., LL.B.; Sec. Dr. P. M. JOSHI; publ. *Journal of Indian Museums*.

Archaeological Museum Mathura: Mathura, U.P.; f. 1874; approx. 10,000 exhibits, mostly of Kushana and Gupta period; Curator Dr. N. P. JOSHI; publs. *Museum Catalogue, Museum Handbook, Mathura, Archaeology in U.P.*, Consolidated Report on the working of the Museum, April 1st, 1955-March 1959.

Archaeological Museum: Nagarjunakonda, Guntur District, Andhra Pradesh; pre-historic and historical antiquities, mainly sculptures; Buddhist and Hindu ruins on the site.

Assam Staté Museum: Ganhati, Assam; f. 1940; Curator Shri P. D. CHAUDHURY, M.A., B.L.; Asst. Curator Shri M. C. DAS, M.A.; publ. *Ancient Treasures of Assam*.

Baroda Museum and Picture Gallery: Baroda; f. museum 1894 and picture gallery 1920; Indian archæology: prehistoric and historic; Indian art: ancient, medieval and modern; numismatic collections; modern Indian paintings; industrial art; Asiatic and Egyptian collections; Greek, Roman, European civilisations and art; European paintings; ethnology, zoology, geology, economic botany, Dir. V.L. DEVKAR; Keepers: B. L. MANKAD (Art and Historical Sections) P. G. GUPTE (Science Sections) Librarian S. G. KHANGIWALE; publs. *Bulletin, Handbook of the Collections, Catalogue Picture Gallery*.

Bharat Kala Bhavan: Banaras, Uttar Pradesh; f. 1920; now attached to Banaras Hindu University; Gupta coins, archaeological exhibits.

Birla Industrial and Technological Museum: 19 Gurusaday Road, Calcutta 19; affiliated to the Council of Scientific and Industrial Research; Officer-in-charge A. BOSE, M.SC., LL.B., M.S.

Central Museum: Albert Hall, Jaipur, Rajasthan; f. 1876; archaeology, crafts, paintings, carpets.

Central Museum: Nagpur; f. 1863; miscellaneous collection of objects relating to archaeology, art, ethnology, cottage industry, megalithic sites, copper implements, Buddhist sculptures, aboriginal tribal remains.

Delhi Fort Museum: Mumtaz Mahal, Red Fort; historical collections of the Mughal period; old arms, seals and signets, Mughal dresses and relics of India's War of Independence.

Fort Museum, The: Fort St. George, Madras; exhibits belong mainly to the days of the East India Co.

Ganga Golden Jubilee Museum: Bikaner, Rajasthan; f. 1937; collection of terracottas, sculptures, bronzes, inscriptions, Rajasthani paintings, arms and costumes.

Government Museum: Pantheon Road, Egmore, Madras; f. 1851; archæology, art, South Indian bronzes, Buddhist sculptures, anthropology, botany, zoology, Supt. S. T. SATYAMURTI, M.A., D.SC., F.Z.S.; publs. *Annual Report*, various illustrated articles on anthropology, archæology and natural history in the *Madras Museum Bulletins*.

Government Museum: Trivandrum, Kerala State; natural history collections, Indian arts and crafts.

Indian Museum: Calcutta; f. 1814; received the zoological, geological and archaeological collections of the Asiatic Society of Bengal, which had been founded in 1784; comprises of six Sections: Art, Archaeology, Anthropology, Zoology, Geology and Industry; Hon. Sec. Dr. NIHAR RANJAN RAY, M.A., DIP.LIB.(LOND.), D.LETT. & PHIL. (LEYDON), F.L.A., F.R.A.S., F.R.S.A., M.P.; Dir. Shri V. D. KRISHNASWAMI, M.A., DIP.ARCH.(CANTAB.).

Jaipur House Museum: nr. India Gate, New Delhi, contemporary paintings.

Lord Reay Maharashtra Industrial Museum: Poona, 2; Curator and Secretary G. B. SARDESAI, B.SC.

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INDIA

Madhya Bharat Museums: archaeological museums at Gwalior and Indore.

Maharaja of Jaipur Museum, The: City Palace, Jaipur, Rajasthan; f. 1959; textiles and costumes, armoury, and art gallery including famous miniature paintings and illuminated MSS., Persian and Mughal carpets and lacquered articles; Dir. KUMAR SANGRAM SINGH, M.A., LL.B.

Municipal Museum: Allahabad; f. 1931; antiquities, paintings, textiles, potteries.

Museums, Zoos and Government Gardens: Kerala State; include: (1) State Museum and Zoo, Trichur, f. 1880; (2) Govt. Museum and Zoological and Botanical Gardens, Trivandrum, f. 1857; 715 exhibits in Zoo, 2,800 vols. in library; Dir. Dr. R. K. NAIR, B.SC., PH.D.

Mysore Government Museum: Bangalore; f. 1866; art, archaeology, industrial art and natural history; library of 2,000 vols.: Curator Sri NARYANA IYENGAR, Asst. Curator Sri J. M. JAYARAMA RAJU; publ. *Annual Report*.

Nalanda Museum: site museum; f. 1917; images in bronze and stone; figurines, seals of late Gupta and Pala periods.

National Art Gallery: Pantheon Road, Egmore, Madras, 8; f. 1951; ancient and modern Indian art; Officer-in-Charge S. T. SATYAMURTI, M.A., D.SC., F.Z.S.; publ. *Catalogue*.

National Gallery of Modern Art: New Delhi; f. 1955; contains UNESCO-sponsored gallery of occidental art.

National Museum of India: Janpeth, New Delhi; f. 1949; Departments of Art, Archaeology, Anthropology, Modelling, Presentation, Preservation, Publication, Library and Photography; Indian prehistoric tools, protohistoric remains from Harappa, Mohenjodaro, etc., representative collections of sculptures, terracottas, stuccos and bronzes from 2nd century B.C. to 18th century A.D.; copies of paintings from Ajanta, Ellora, Bagh, Sittanavasal and Badami; illustrated manuscripts and miniatures; Central Asian antiquities; decorative arts; textiles, coins and illuminated epigraphical charts; armour; copper-plate etchings; woodwork; Dir. Dr. GRACE L. MCCANN MORLEY; Asst. Dir. Dr. K. N. PURI; Keepers Sarvashri C. SIVARAMAMURTI, A. K. BHATTACHARYA, Shri SACHIN ROY, Smt. S. J. BAXI, Sarvashri E. DENCAN; Chemist Shri R. T. GAIROLA; Publs. Superintendent Dr. P. BANERJI; Librarian Shir BAL KRISHNAN; Admin. Officer Dr. N. L. MATHUR.

Natural Science Museum of Pittapur Rajah's College: Cocanada, Madras; f. 1926; Curators T. U. CHACKO B.A., M.SC., K. VANAMALA NAIDU, B.SC.

Patna Museum: Bihar; f. 1917; archaeology, ethnology, geology and natural history; also rich collection of Tibetan paintings; coins.

Prince of Wales Museum of Western India: Bombay; f. 1922; sections: Art, Archaeology, Natural History; library of 5,000 vols.; Dir. and Curator of Art Section Dr. MOTI CHANDRA, M.A., PH.D.; Curator of Art Section Shri PRAMOD CHANDRA, B.S.F.S.(GEORGETOWN, U.S.A.); Curator of Natural History Section Shri V. K. CHARI, B.A., L.T.; publs. *Bulletin*, folders and post-cards.

Rabindra Bhavan Art Gallery: 35 Ferozeshah, New Delhi; f. 1961 for the Tagore Centenary exhibition; houses the National Art Exhibition.

Rajputana Museum: Ajmer, Rajasthan; f. 1908; archæology; rare sculptures, architectural carvings, old coins, epigraphs, Rajput paintings, arms and armour of Rajasthan; Curator J. K. SINHA.

Sarnath Museum: archaeological site museum four miles north of Benares; f. 1904; Buddhist collection from 3rd century B.C. to 12th century A.D.

Sri Chitralayam Gallery of Asian Paintings: Trivandrum 1, Kerala; f. 1935; sections: Modern Indian, Rajput, Mughal, Traditional Tanjore and Balinese, Chinese, Japanese, Tibetan, Indo-European, Murals; library of 573 vols.; Officer-in-Charge D. SIVARAMAN; publs. *Administration Report, Illustrated Catalogue*.

Sri Pratap Singh Museum: Srinagar, Jammu and Kashmir; general collection.

State Museum, Government of Andhra Pradesh: Hyderabad; f. 1930; sections: sculpture, epigraphy, arms and weapons, Bidriware, bronze objects, prehistoric, ministure and Deccan paintings, MSS, numismatics, European paintings (copies), paintings from Ajanta, Ellora and Pithal Khora (copies), excavations at Yeleswaram; library (private) 3,257 vols.; Dir. Sri N. RAMESAN, M.A., I.A.S., Dep. Dir. Sri B. V. RAMANA MURTY, B.A., B.L.; publs. *Punch-marked Coins, Satavahana Coins, Qutub Shahi Coins*.

State Museum: Bhuvaneswar, Orissa; archaeology.

State Museum: Lucknow, Uttar Pradesh; f. 1884; Administrative Officer L. K. GUPTA, P.C.S.

Taj Museum: Agra; Archæological collections.

Victoria and Albert Museum: Victoria Gardens, Byculla, Bombay; f. 1855; contains reference books on Indian art, archæology, ethnology, geology, ancient history, numismatics and museology; specimens of Indian art industries (wood carving, lacquered ware, silver ware), agricultural models and cottage industries; ethnological models, and figures of deities; Curator S. C. UPADHYAYA, M.A., LL.B., D.L.

Victoria Memorial Hall: Chowringhee, Calcutta; f. 1906; wide collection of art and historical pieces, mainly illustrating Britain's connection with India.

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UNIVERSITIES

There are in India three types of university: *Affiliating; Affiliating and Teaching;* and *Teaching* or *Residential and Teaching*. The affiliating universities, such as Agra, Jammu and Kashmir and Bihar, have no university teaching departments and in most cases no constituent colleges (colleges run directly by the university). The affiliating and teaching universities, such as Bombay, Calcutta and Madras, have their own teaching departments or constituent colleges, or both, but also affiliate other independent colleges. The teaching and residential teaching universities have no affiliating functions.

It is not possible, for reasons of space, to give lists of professors at all the colleges affiliated to the various universities, though some very eminent professors may be attached to them, but those attached to central teaching staffs are listed wherever possible.

AGRA UNIVERSITY

AGRA, U.P.
Telephone 748

Founded 1927; Affiliating

Chancellor: GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: P. D. GUPTA.
Registrar: Shri R. S. AGRAWAL

Number of students: 41,643.

DEANS:

Faculty of Arts: S. P. SINHA, M.A., LL.B.
Faculty of Science: M. RAY.
Faculty of Law: SAGAR MAL, B.SC., LL.B.
Faculty of Commerce: N. K. CHADDHA, M.A.
Faculty of Agriculture: U. S. SHARGA, M.SC., PH.D.
Faculty of Medicine: K. S. MATHUR, M.D., M.R.C.P.
Faculty of Veterinary Science and Animal Husbandry: C. M. SINGH, M.SC., PH.D.
Faculty of Engineering: B. D. SATSANGI, B.SC.(ENG.), A.M.I.E.
Faculty of Technology: E. D. DARUVALA, B.SC., TH.D., A.R.I.C.

AFFILIATED COLLEGES:

Agra College: Agra; f. 1823.
Principal: M. RAY, D.S.C., F.N.I.
Number of professors: 14.

Agriculture College: Kanpur; f. 1893.
Principal: R. K. TANDON, M.SC., PH.D.
Number of professors: 4.

Ahir Kshatriya College: Shikohabad; f. 1916.
Principal: J. B. VERUVA, M.A., M.ED.
Number of professors: 6.

A. K. P. Degree College: Hapur.
Principal: Smt. B. VIDYARATHI, M.A.
Number of professors: 4.

Almora Degree College: Almora; f. 1942.
Principal: A. D. PANT, M.A., L.T.
Number of professors: 7.

A. S. Jat College: Lakhaoti; f. 1905.
Principal: S. C. VARMA, M.SC., PH.D.
Number of professors: 10.

Babu Shivnath Agarwal Degree College: Mathura.
Principal: K. N. GARG, M.A.
Number of professors: 3.

Balwant Rajput College: Agra; f. 1885.
Principal: R. K. SINGH, M.A., LL.B., D.ED.
Number of professors: 17.

Barahseni College: Aligarh; f. 1922.
Principal: M. C. MATHUR, M.A., M.SC., PH.D.
Number of professors: 12.

Bareilly College: Bareilly, U.P.; f. 1837.
Principal: P. S. SUNDARAM, M.A.(MADRAS), M.A.(OXON.).
Number of professors: 16.

Brahman Sanskrit Mahavidyalaya: Roorkee.
Principal: V. N. SHUKLA, M.A.
Number of professors: 6.

Bundelkhand College: Jhansi; f. 1949.
Principal: SUKH SWARUP, M.SC.
Number of professors: 6.

Chhadami Lal Jain Degree College: Firozabad (Agra.).
Principal: M. P. MATHUR, M.SC.
Number of professors: 2.

Christ Church College: Kanpur; f. 1892.
Principal: N. ABRAHAM, M.A.(Oxon.).
Number of professors: 10.

D.A.V. College: Dehra Dun; f. 1893.
Principal: H. L. ROHATGI, M.SC., PH.D.
Number of professors: 19.

D.A.V. College: Muzaffarnagar; f. 1918.
Principal: S. PRASAD, M.SC.
Number of professors: 7.

D.A.V. Degree College: Bulandshahr; f. 1956.
Principal: LAL BAHADUR, M.A., PH.D., D.LITT.
Number of professors: 5.

Dayanand Anglo-Vedic College: Kanpur; f. 1919.
Principal: S. P. SAKSENA, M.A., LL.B.
Number of professors: 18.

Dayanand Brijendra Swarup Degree College: Kanpur.
Principal: M. M. PANDEY, M.A., LL.B.
Number of professors: 5.

Dayanand College of Law: Kanpur.

Dayanand Girls' College: Kanpur.
Principal: Smt. I. VERMA, M.A.
Number of professors: 6.

Dayanand Subhas National College: Unnao; f. 1946.
Principal: LAKSHMI NATH MISRA, M.A., LL.B., L.T.
Number of professors: 8.

Dayanand Vedic College: Orai; f. 1951.
Principal: KISHORI LAL KHARE, M.A.
Number of professors: 7.

Dayanand Women's Training College: Kanpur.
Principal: Mrs. KRISHNA KAUL, M.A., L.T.

Deva Nagri College: Meerut.
Principal: Sri. P. N. CHATTERJEE, M.A.
Number of professors: 4.

D. J. College: Baraut; f. 1916.
Principal: A. B. MALKHANI, M.SC.
Number of professors: 13.

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D.N. Degree College: Fatehgarh.
Principal: UMRAO SINGH, M.A., L.T.
Number of professors: 4.

D. S. College: Aligarh; f. 1907.
Principal: V. G. JHINGRAN, M.SC., B.ED.
Number of professors: 12.

D. S. B. Government Degree College: Nainital; f. 1951.
Principal: K. N. SRIVASTAVA, M.A., D.LITT.
Number of professors: 11.

Engineering College: Dayalbagh; f. 1950.
Principal: BHAGAT DAS, B.SC.(Eng.), A.M.I.E.
Number of professors: 3.

Gandhi-Faiz-Am College: Shahjahanpur; f. 1936.
Principal: MOHD. WASI, M.A.
Number of professors: 11.

Ganjdundwara Degree College: Etah.
Principal: K. D. TRIPATHI, M.A., M.S.S.
Number of professors: 5.

Gokal Dass Hindu Girls' College: Moradabad; f. 1952.
Principal: KM. B. SEN GUPTA, M.A., B.LITT.
Number of professors: 8.

Government Central Textile Institute: Kanpur.
Principal: E. D. DARUVALA, B.SC., PH.D., A.R.I.C.
Number of professors: 2.

Government Raza College: Rampur; f. 1949.
Principal: J. P. AGARWAL, M.SC.
Number of professors: 11.

Guja-r Agricultural College: Rampur Manhyaran (Saharanpur).
Principal: J. P. AGRAWAL, M.SC.
Number of professors: 3.

Gunjdundwara Degree College: Gunjdundwara, Etah.
Principal: K. D. TRIPATHI, M.A., M.S.S.
Number of professors: 5.

Gurukul Kangri College of Science: Gurukul Kangri.
Principal: F. C. TERHON, M.SC.
Number of professors: 3.

Halim Muslim College: Kanpur.
Principal: M. A. RIZVI, M.A., L.T.
Number of professors: 6.

Harcourt Butler Technological Institute: Kanpur.
Principal: Dr. H. TRIVEDI, D.SC., D.MET.
Number of professors: 3.

Hindu Degree College: Moradabad; f. 1911.
Principal: K. D. AGARWAL, M.A.
Number of professors: 7.

Indian Veterinary Research Institute: Izatnagar.
Principal: P. G. PANDEY, M.R.C.V.S.
Number of professors: 4.

J. V. Jain Degree College: Saharanpur; f. 1955.
Principal: R. C. JAIN, M.A.
Number of professors: 8.

Janta Agricultural College: Ajitmal (Etawah).
Number of professors: 4.

Janta College: Bakewar (Etawa).
Principal: P. M. SAXENA, M.SC., LL.B.
Number of professors: 2.

Jat Vedic College: Baraut; f. 1917.
Principal: M. P. SHASTRI, M.A., M.O.L.
Number of professors: 9.

J. S. Degree College: Sikandrabad (Bulandshahr).
Principal: S. P. BHATNAGAR, M.A.
Number of professors: 4.

K. G. K. College: Moradabad; f. 1940.
Principal: KASHI PRASAD, M.A., PH.D.
Number of professors: 11.

Kishori Raman College: Mathura; f. 1916.
Principal: H. S. BHARGAVA, M.A.
Number of professors: 11.

Kishori Raman Girls Degree College: Mathura.
Principal: Mrs. SAROJ KULSHRESHTHA, M.A.
Number of professors: 2.

K. K. College: Etawah.
Principal: A. K. VARMA, M.A., D.PHIL.
Number of professors: 5.

K.N. Government Degree College: Gyanpur; f. 1951.
Principal: J. L. SHARMA, M.A., D.SC.
Number of professors: 14.

Krishak College: Mawana (Meerut).
Principal: R. C. SINGH, M.A.
Number of professors: 5.

K.V. Degree College: Machhra, Meerut; f. 1942.
Number of professors: 6.

Mahadevi Kanya Pathshala Degree College: Dehradun.
Principal: Mrs. SUSHILA RAKESH, M.A., B.T.
Number of professors: 6.

Maharaj Singh Degree College: Saharanpur.
Principal: Dr. P. C. CONSUL, M.SC., PH.D.
Number of professors: 3.

Meerut College: Meerut; f. 1892.
Principal: S. S. JOSHI, M.SC., D.SC.
Number of professors: 20.

M. M. College: Khekra (Meerut).
Principal: T. P. BAJPAI, M.A., L.T.
Number of professors: 1.

M.M.H.V. College: Ghaziabad; f. 1936.
Principal: B. S. MATHUR, M.A.
Number of professors: 13.

Multani Mal Modi Degree College: Modinagar, Meerut.
Principal: Dr. G. D. TULI, M.SC., PH.D.
Number of professors: 10.

Narain Degree College: Shikohabad.
Principal: M. SINGH SOOD, M.SC., PH.D.
Number of professors: 4.

N.A.S. College: Meerut; f. 1952.
Principal: B. L. SHARMA, M.A.
Number of professors: 10.

N. R. E. C. College: Khurja; f. 1901.
Principal: P. D. GUPTA, M.A.
Librarian: M. L. BHUSHAN SINGH, M.A.
Number of professors: 12.

Phool Chand Degree College: Hathras.
Principal: Dr. K. S. SINGHAL, M.A., M.COM., PH.D.
Number of professors: 3.

P. P. N. Degree College: Kanpur.
Principal: S. P. SINGH, M.A.
Number of professors: 5.

Raghunath Girls' College: Meerut; f. 1929.
Principal: Mrs. LAKSHMI DEVI SHARMA, M.A.
Number of professors: 9.

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Raja Mahendra Pratap Prem Vidyalaya College: Narsan, Saharanpur.
Principal: Alam Singh, M.Sc. (Ag.).
Number of professors: 5.

Rashtriya Kisan College: Shamli, Muzaffarnagar.
Principal: Dr. L. S. Bhatia, M.Sc., Ph.D.
Number of professors: 3.

R.E.I. College: Dayalbagh, Agra; f. 1917.
Principal: B. P. Johri, M.Sc., L.T.
Number of professors: 7.

R.S.K. Degree College: Simbhaoli, Meerut.
Number of professors: 9.

R.S.M. Degree College: Dhampur, Bijnor.
Principal: S. L. Bahl.
Number of professors: 6.

S. D. College: Muzaffarnagar; f. 1905.
Principal: D. Singh, M.A.
Number of professors: 10.

St. John's College: Agra, U.P.; f. 1851.
Principal: P. T. Chandi, M.A., M.Sc.
Number of professors: 15.

S.M. College: Chandausi; f. 1909.
Principal: C. P. Singhal, M.Sc., Ph.D.
Number of professors: 11.

S.N. Medical College: Agra; f. 1864.
Principal: P. N. Wahli, M.D., M.R.C.P., F.N.I.
Number of professors: 9.

S.N. Sen Balika Vidyalaya Degree College: Kanpur; f. 1900.
Principal: Km. K. Ghosh, M.A.
Number of professors: 8.

S.R.K. Degree College: Firozabad (Agra.).
Principal: S. R. Sharma, M.A.
Number of professors: 7.

S.S.V. Degree College: Hapur; f. 1945.
Principal: V. D. Dikshit, M.A.
Number of professors: 12.

Tika Ram Kanya Mahavidyalaya: Aligarh.
Principal: Mrs. Shanti Sharma, M.A., M.Ed.
Number of professors: 8.

U.P. College of Veterinary Science and Animal Husbandry: Mathura; f. 1947.
Principal: C. V. G. Choudray, M.Sc., M.R.C.V.S.
Number of professors: 7.

Vaish Degree College: Shamli, Muzaffarnagar.
Principal: R. N. Gupta, M.Sc.
Number of professors: 3.

V.S. Sanatan Dharam College: Kanpur; f. 1921.
Principal: Sri. M. P. Srivestan, M.A.
Number of professors: 13.

Women's Training College: Dayalbagh, Agra; f. 1947.
Principal: Mrs. S. P. Sukhia, M.A., T.Dip.
Number of professors: 6.

Yuvraj Dutta College: Lakhimpur-Kheri; f. 1949.
Principal: Ganpat Singh, M.A.
Number of professors: 8.

Constituent Colleges:

Institute of Social Sciences: Agra University, Agra.
Director: Dr. R. N. Saksena, M.A., Ph.D., D.Litt.
Number of professors: 12.

K.M. Institute of Hindi Studies: Agra University, Agra.
Director: Dr. Vishiva Nath Prasad, M.A., Ph.D.
Number of professors: 6.

ALIGARH MUSLIM UNIVERSITY

ALIGARH, U.P.
Telephone: 73

Founded 1921; Residential and Teaching

Chancellor: H.H. Mulla Syedna Tahir Saifuddin Sahib.
Pro-Chancellor: Nawab Saidul Mulk S. T. Saifuddin Sahib.
Vice-Chancellor: Col. B. H. Zaidi, B.A. (Cantab), Barrister-at-Law.
Registrar: Y. D. Khan
Librarian: Bashiruddin, M.A., F.L.A.

The library contains 103,100 volumes; 4,000 MSS. in Arabic, Persian and Urdu.
Number of teachers: 354, including 20 professors.
Number of students: 4,907.

Deans:

Faculty of Arts: Prof. M. Umaruddin.
Faculty of Engineering and Technology: Q. H. Farooquee.
Faculty of Law: Dr. H. Rahman.
Fucualty of Science: S. M. T. Rizvi.
Faculty of Theology: M. S. A. Akbarabadi.
Faculty of Medicine: Prof. H. A. Latif, Shifa-ul-Mulk.

Professors:

Faculty of Arts:
Aleem, Abdul (Arabic and Islamic Studies).
Bose, A., M.A., D.Phil. (English).
Habib, Mohammad, M.A. (Political Science).
Hasan, Dr. S. Hadi, B.A., Ph.D. (Persian).
Hasan, S. N., M.A., D.Phil. (History).
Mukerji, D. P., M.A. (Economics).
Rahman, Habibul, M.A., M.Ed. (Education).
Rashid, Sh. A., M.A., LL.B. (History).
Siddiqi, R. A., M.A. (Urdu).
Umaruddin, M., M.A. (Philosophy, Psychology).

Faculty of Engineering and Technology:
Dey, N. C., M.Sc. (Mechanical Engineering).
Khan, Hamidullah (Civil Engineering).
Saha, N. C., B.Sc. (Electrical Engineering).

Faculty of Science:
Farooq, M. O. (Chemistry).
Gill, P. S., M.Sc., Ph.D. (Physics).
Mirza, M.B., D.Ph., B.Sc., F.R.M.S. (Zoology).
Shah, S. M., Ph.D., D.Litt. (Mathematics and Statistics).

Faculty of Medicine:
Mitter, S. M., D.O.M.S.

The University has twenty-seven teaching departments.

Constituent Colleges

Muslim University Women's College: Aligarh.

Muslim University College of Engineering and Technology: Aligarh; f. 1944.

Muslim University Polytechnic: Aligarh; f. 1944.

Muslim University Tibbija College: Aligarh; f. 1942.

UNIVERSITY OF ALLAHABAD

ALLAHABAD, U.P.
Telephone: 2219

Founded 1887; Residential and Teaching

Chancellor: H.E. The Governor of Uttar Pradesh.
Vice-Chancellor: Dr. Balbhadra Prasad, D.Sc., F.N.I.
Registrar: K. P. Mohiley, M.A.
Librarian: Dr. A. N. Agarwala, M.A., D.Litt.

The Library contains 220,807 vols.
Number of teachers: 296, including 20 professors.
Number of students: 7,503 men, 1,183 women, total 8,686.

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DEANS:

Faculty of Arts: Prof. SAEED HASAN, M.A., PH.D.
Faculty of Commerce: Prof. J. K. MEHTA, M.A.
Faculty of Engineering: G. K. AGARWAL, C.E., M.I.E.
Faculty of Law: Prof. P. K. TRIPATHI, LL.M., J.S.D.
Faculty of Medicine: Dr. PRITAM DAS, M.S., F.R.C.S., F.A.C.S.
Faculty of Science: Prof. M. D. L. SRIVASTAVA, D.SC.

PROFESSORS:

ADAVAL, S. B., M.A., M.ED. D.PHIL. (Education).
AGARWALA, A. N., M.A., D.LITT (Commerce).
BHATNAGAR, O. P., M.A. (History).
CHATURVEDI, S. P., M.A. (Sanskrit).
HASAN, SAEED, M.A., PH.D. (Arabic and Persian).
HUSAIN, S. E., M.A. (Urdu).
GHOSH, S. N., D.SC. (Applied Physics).
KAUL, R. N., M.A., B.L.H. (Philosophy).
KHAN, M. M., M.A., D.PHIL. (Geography).
KHANNA, D. D., B.A., LL.B. (Military Science).
KOCHAK, U. S., M.SC. (Fine Arts).
LAL, A. B., M.A. (Politics).
MEHTA, J. K., M.A. (Economics).
MISHRA, R. S., D.SC. (Mathematics).
PRAKASH, S., D.SC. (Chemistry).
SHARMA, G. R., M.A. (Ancient History, Culture and Archæology).
SINGH, R., M.SC. (Physics).
SINHA, D. N., M.A. (Psychology).
SRIVASTAVA, M. D. L., D.SC. (Zoology).
TANDON, R. N., M.SC., PH.D. (Botany).
TRIPATHI, P. K., LL.M., J.S.D. (Law).
VARMA, R. K., M.A., PH.D. (Hindi).
VYAS, K. D., B.SC., M.B.B.S. (Home Science).

The university has twenty-three teaching departments.

ASSOCIATED AND CONSTITUENT COLLEGES:

Agarwal College.

Allahabad Agricultural Institute: Naini.

Ch. Mahadeo Prasad Degree College.

Ewing Christian College.

Kayastha Pathashala University College.

Madan Mohan Malaviya College.

William Holland University College: Principal: Dr. C. M. CHATTERJI, M.A., PH.D.

Moti Lal Nehru Medical College: Principal: Dr. PRITAM DAS, M.S., F.R.C.S., F.A.C.S.

Moti Lal Nehru Regional Engineering College: Principal G. K. AGARWAL, C.E., M.I.E.

ANDHRA UNIVERSITY

WALTAIR, A.P.
Telephone: 324

Founded 1926: Teaching and Affiliating

Chancellor: H.E. THE GOVERNOR OF ANDHRA PRADESH, Gen. S. M. SHRINAGESH.
Pro-Chancellor: Shri P. V. G. RAJU, M.L.A.
Vice-Chancellor: Dr. A. L. NARAYAN, M.A., D.SC., F.J.P.
Principal, University Colleges: Prof. G. GOPALA RAO. M.SC., D.SC., A.I.C.(LOND.).
Registrar: Prof. K. V. GOPALASWAMY, M.A.(OXON.), Bar.-at- Law.

CONSTITUENT COLLEGES

Erskine College of Natural Sciences: Waltair; f. 1941.

J.V.D. College of Science and Technology: Waltair; f. 1932.

University College of Arts and Commerce: Waltair; f. 1931.

University College of Engineering: Waltair; f. 1955.

University College of Law: Waltair; f. 1945.

AFFILIATED COLLEGES

A.M.A.L. College: Anakapalle, Visakhapatnam District.
Principal: R. SUBBAIAH, B.SC. (Hons.).

A.N.R. College: Gudivada, Kistna District; f. 1950.
Principal: A. F. THYAGARAJU, M.A.

Andhra Christian College: Guntur; founded by American United Lutheran Mission 1885.
Principal: Dr. J. B. WILLIAMS, M.A., PH.D.(COLUMBIA).

Andhra Loyola College: Vijayavada 8; f. 1954.
Principal: Rev. Fr. D. GORDON, S.J., M.A.

Andhra Medical College: Vizagapatam; f. 1923.
Principal: Dr. P. NARASIMHA RAO, M.S., F.I.C.S., F.A.C.S.

Andra Jateeya Kalasala: Masulipatam; f. 1949.
Principal: M. SIVAKAMAYYA, M.A., B.ED.

Andra Women's Sanskrit College: Rajahmundry; f. 1930.
Principal: B. KAMAKSHAMMA, U.B.P.

Agricultural College: Bapatla; f. 1945.
Principal: Dr. B. APPALANAIDU, M.A., M.SC., PL.D., F.B.S.

Annavaram Satyavathi Devi College for Women: Kakinda; f. 1962.
Principal: (Vacant).

Bapatla College of Arts and Sciences: Bapatla; f. 1963.
Principal: Prof. S. VEUKATARAWAN, B.A., B.L.

Ch.S.D. St. Theresa's College for Women: Eluru; f. 1953.
Principal: Mrs. L. D'SOUZA, M.A., L.T., DIP.EDUC. (LOND.).

C.R. Sanskrit College: Modekurru.
Principal: K. SOMASEKHARA SASTRI.

C.S.R. Sarma College: Ongole; f. 1952.
Principal: Sri K. V. PUNNIAH, M.A., B.ED.

Dr. K.V.K. Sanskrit College: Arundelpet Guntur; f. 1958.
Principal: Sri C. SATYANARAYANA, M.A., B.O.L.

Engineering College: Kakinada; f. 1946.

Government Arts College: Rajahmundry, East Godavari District; f. 1853, Second-Grade College 1873, First-Grade College 1877.

Government Arts College: Srikakulam; f. 1951.
Principal: K. RAJAMANNAR, M.A., B.ED.

Government College for Women: Guntur; f. 1947.
Principal: SARADA BAI VENKATASWAMY.

Government Music College: Vijayawada, Granasudhakara.

Government Training College: Rajahmundry; f. 1894
Principal: Sri T. R. WEENADAYAL.

Hindu College: Guntur.
Principal: V. SUBBA RAO, B.A.

Hindu College: Masulipatam; f. 1928.
Principal: Dr. M. GOURINADHA SASTRI, M.A., D.SC.

J.M.J. College for Women; Tenali; f. 1963.
Principle: Sister ANNA MARIA., M.ED.

St. Joseph's College for Women: Waltair R.S.; f. 1958.
Principal: Sister GERMAINE MARIE, B.A. (HONS.) (LOND.).

St. Joseph's Training College for Women: Guntur; f. 1946.
Principal: Sister MARY THERESALINA, M.A., B.ED.

Kota Lakshmiah Naidu Sanskrit College: Tenali; f. 1912.
Principal: RAMAKOTI SASTRY, V.P.

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Maharajah's College: Vizianagaram; f. 1857 as a Middle School, raised to a High School 1868, Second-Grade College 1879, and First-Grade College 1881.
Principal: Dr. N. RAMALAL, M.SC., PH.D.

Maharaja's Sanskrit College: Vizianagaram; f. 1852.
Principal: Sri P. B. S. APPALACHARYULU, M.A., B.P.

Maharaja's Music College: Vizianagaram; f. 1919.
Principal: SANGITA BHUSHANA Sri D. SRIZAMASHI.

Markandeya Sanskrit College: Aukiripalli, Kishna Dt.
Principal: P. VENKATESWARA SASTRY.

Medical College: Guntur.
Principal: Dr. J. CHALAPATHI NAIDU, M.S.

Mrs. A.V.N. College: Vizagapatam; f. 1878.
Principal: C. SURYAPRAKASAM, M.A., L.T.

Narasapur College: Narasapur; f. 1949.
Principal: Sri S. GOPALAKRISHRAHATTY, M.A., D.S.C., B.E.D.

Narasimha Sanskrit College: Chittigudur, Masulipatam, f. 1923.
Principal: Sri S. T. G. NARASIMHACHARYULU, B.A. (HONS.), V.P., B.P.

Oriental College: Bhimavaram; f. 1959.
Principal: D. SARVESWARA SASTRI, V.P., Vidwan, 7-A Vidwan.

Oriental College: Vijayavada.
Principal: V. V. R. SOMAYAJI, B.A., V.P., B.P.

P.B.N. College: Nidubrole, Guntur District.
Principal: G. V. SUBBARAMAYYA, M.A.

Pithapur Rajah's Govt. College: Kakinada; f. 1884.
Principal: P. SRIRAMAM, M.A., B.ED.

Rajah R.S.R.K. Rangarao College: Bobbili.
Principal: Sri G. SUBBI REDDY, M.SC.

Saradaniketanam: Guntur.
Principal: VIDWAN SRIMATHI M. SAVITHRI DEVI, 7-B Vidwan (M.U.).

S.B.S. Sanskrit College: Ponnur, Guntur District.
Principal: PERAYYA SASTRI, V.P., P.O.L.

S.G.V.P. Oriental College: Rajahnundry; f. 1957.
Principal: K. A. PADMANABHA SASTRY, V.P., U.B.P.

S.K.B.R. College: Amalapuram, East Godavari District; f. 1951.
Principal: Sri G. P. RAMESAM, B.SC., M.A.

Srima Thi Appana Venkatavatnamma Oriental College: Eluru.
Principal: U. SOWBHAGYARATHI, U.P.B.

S.R.R. and C.V.R. (Govt.) College: Vijayavada; f. 1937.
Principal: N. RAMA RAO, M.A., B.ED.

S.S.N. College: Narasaraopet, Guntur District; f. 1950.
Principal: I. RANGANAYAKULU, M.A., LL.B.

S.V.J.V. Sanskrit College: Kovvur; f. 1912.
Principal: Sri J. PURUSHOTHAM, M.A.

Sir C. Ramalinga Reddy College: Eluru; f. 1945.
Principal: D. S. SUBRAHMANYAM, M.A., B.ED.

Sri Rangaraya Memorial Medical College: Kakinda; f. 1958.
Principal: Dr. V. RAWACHANDRA RAO, M.B.B.S., M.SC.

Maris Stella College for Women: Vijayawada; f. 1962.
Principal: Sister MARY PROINSIAS.

V.R.S./Y.R.N. College: Chirala, Guntur District; f. 1951.
Principal: Dr. T. RAMA RAO, M.A., PH.D.

V.S.R. College: Tenali, Guntur District; f. 1951.
Principal: S. P. RAGLAND, M.A., PH.D.

West Godavari Bhimavaram College: Bhimavaram; f. 1945.
Principal: E. LAKSHMINATHA RAO, M.A.

M.R. College for Women: Vizianagram; f. 1962.
Principal: Dr. N. RAMALAL, M.SC., PH.D.

ANNAMALAI UNIVERSITY

ANNAMALAINAGAR, SOUTH ARCOT, MADRAS STATE

Founded 1928: Residential and Teaching

Chancellor: H.E. THE GOVERNOR OF MADRAS.
Pro-Chancellor: RAJAH Sir M. A. MUTHIAH CHETTIAR OF CHETTINAD, Kt., B.A., D.LITT.
Vice-Chancellor: Col. V. SUBRAHMANYAM.
Registrar: T. D. MEENAKCHISUNDARAM, B.A., B.L.

The library contains 142,638 volumes.
Number of teachers: 309, including 25 professors.
Number of students: 3,251.
Publications: *Annamalai University Research Journal, Annamalai University Magazine.*

DEANS:

Faculty of Arts: Prof. K. S. SONACHALAM, M.A.
Faculty of Science: Dr. K. RANGASWAMI AIYYAR, M.A., M.SC., PH.D.
Faculty of Oriental Studies: Prof. L. P. KR. RAMANATHAN CHETTIAR, *Panditha, Vidwan.*
Faculty of Engineering and Technology: Lt.-Col. S. PAUL, B.E., M.I.E.
Faculty of Education: Prof. R. RAMANAUJCHARIAR, M.A.
Faculty of Fine Arts: M. M. DANDAPANI DESIGAR.

PROFESSORS:

ADINARAYAN, S. P., M.A., PH.D. (Philosophy).
AYYAR, K. RANGASWAMI, M.A., M.SC., PH.D. (Statistics).
AYYAR, R. SATHIANATHA, M.A. (History, Politics).
AYYAR, V. GANAPATI, M.A., D.SC. (Mathematics).
BALIAH, V., M.SC., PH.D. (Chemistry).
BALASUNDARAM V., B.SC.(HONS), M.A., M.S. (CORNELL) U.S.A., (Electrical Engineering).
CHETTIAR, L. P. KR. RAMANATHAN, *Panditha, Vidwan* (Tamil—Oriental).
CORNELIUS, Miss M., M.A., M.SC., ED.D. (Social Sciences).
DESIGAR, M. M. DANDAPANI (Music).
DURAISWAMI, M. S., M.A. (English).
GOVINDAN, P., M.A., PH.D. (Zoology).
LAKSHMANAN, Dr. S.M. (Technology) B.SC.(HONS), CHEM. (TECH), M.SC. (TECH), PH.D. (LOND), D.I.C. (LOND).
MEENAKSHISUNDARAM, T. P., M.A., B.O., M.O.L. (Tamil Arts).
MUTHUSWAMI, T. N., M.A. (Geology).
PAUL, Lt.-Col. S., B.E., M.I.E. (Mechanical Engineering).
PILLAI, G. SUBRAMANIA, M.A., B.L., *Vidwan* (Tamil Research).
RAJARAM, C., B.A., B.E. (Mechanical Engineering).
RANGASWAMY, O., B.SC., PH.D. (Agriculture).
RAMANUJACHARIAR, R., M.A. (Education).
SESHAIAH, R. V., M.A., F.Z.S.I., F.A.SC. (Marine Biological Station, Portonova).
SHANMUGASUNDARAM, S., B.A., DIP. PH.ED. (Physical Education).
SINGH, T. C. N., D.SC., F.B.S. (Botany).
SONACHALAM, K. S., M.A. (Economics).
SHIRAMAN, Dr. S., M.A., M.SC., PH.D., F.INST.P. (Physics).
VENKATESAN, B. E., C.E., M.S., A.M.I.E., A.SC.E. (Engineering).
VENKATESWARAN, C. S., M.A., PH.D., *Siromani* (Sanskrit).

The university has twenty-three teaching departments, all of which are located at Annamalainagar.

BANARAS HINDU UNIVERSITY

VARANASI 5, U.P.

Telephone 2939/4339
Telegraphic Address: Hindu University, Varanasi.

Founded 1916: Residential and Teaching

Visitor: THE PRESIDENT OF THE REPUBLIC OF INDIA.

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Chief Rector: H.E. The Governor of Uttar Pradesh (U.P.).
Chancellor: H.H. Jai Chamraja Wadia, Governor of Mysore.
Pro-Chancellor: H.H. Yuvraj Karan Singh,, Sadar-I-Riyasat of Jammu and Kashmir.
Vice-Chancellor: Lt.-Col. N. H. Bhagwati, M.A., LL.B.
Registrar: Major S. L. Dar, M.A., LL.B.

Number of students: 6,975.

Deans:

Faculty of Arts: Dr. P. Pozdon, M.A., PH.D.
Faculty of Science: Dr. R. Mizra, M.SC., PH.D.
Faculty of Technology: Prof. S. S. Gairola, B.SC.(ENG.), M.S.
Faculty of Medicine and Surgery: Dr. J. Nag Choudhri, M.B.B.S., PH.D.
Faculty of Theology: Pt. Ramchandra Dikshit.
Faculty of Oriental Learning: Pt. Madhusudan Shastri.
Faculty of Music and Fine Arts: Prof. B. R. Deodhar.

Constituent Colleges:

Central Hindu College: Varanasi; f. 1898.
Central Hindu College: Kamacha Section, Varanasi; f. 1949.
College of Agriculture: Varanasi; f. 1931.
College of Ayurveda (Medical Science): Varanasi; f. 1928.
College of Indology: Varanasi; f. 1950.
College of Mining and Metallurgy: Varanasi; f. 1923.
College of Music and Fine Arts: Varanasi; f. 1950.
College of Science: Varanasi; f. 1935.
College of Technology: f. 1939.
Engineering College: Varanasi; f. 1919.
Law College: Varanasi; f. 1923.
Sanskrit Mahavidyalaya: Varanasi; f. 1917.
Teachers' Training College: Varanasi; f. 1918.
Women's College: Varanasi; f. 1929.

Affiliated Colleges:

Arya Mahila Vidyalaya: Varanasi; f. 1958.
Besant College: Rajghat, Varanasi; f. 1937.
D.A.V. Degree College: Varanasi; f. 1938.
Vasant Kanya Mahavidyalaya: Kamachha, Varanasi; f. 1954.
Vasanta College for Women: Rajghat, Varanasi; f. 1946.

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

BARODA 2, GUJERAT

Telephone 2721

Founded 1949: Residential and Teaching

Chancellor: H.H. Shrimant Maharaja Fatehsinhrao Gaekwar of Baroda.
Vice-Chancellor: Dr. Jyotindra M. Mehta, M.A., PH.D., BAR.-AT-LAW.
Pro-Vice-Chancellor: Dr. C. S. Patel, B.A., M.SC., PH.D.
Registrar: B. K. Zutshi, M.A., LL.B.
Librarian: Prof. C. P. Shukla, M.A., B.T., M.A.(L.S.), PH.D.

Number of teachers: 377, including 118 professors and readers.

Number of students: 8,974.

Deans:

Faculty of Arts: Dr. I. S. Gulati, M.A., PH.D.
Faculty of Science: Dr. S. M. Sethna, M.SC., PH.D.
Faculty of Commerce: Prof. B. G. Shah, M.COMM.
Faculty of Education and Psychology: Dr. S. N. Mukerji, M.A., B.T., T.D., DIP.ED.ADMIN., ED.D.
Faculty of Medicine: Dr. J. D. Pathak, B.SC., M.D., F.C.P.S.
Faculty of Technology and Engineering: Prof. P. J. Madan, B.SC.ENG.(EDIN.), M.SC.ENG.(LOND.), D.I.C.(LOND.), M.INST.H.E., M.I.E.
Faculty of Fine Arts: Prof. N. S. Bendre, B.A., G.D.ART.
Faculty of Home Science: Prof. (Mrs.) A. B. Verma, B.A., M.A.
Faculty of Social Work: G. G. Dadlani, B.A., M.S.W., M.SC.
Faculty of Law: H. C. Dholakia, M.A., LL.B., LL.M.

Professors:

Faculty of Arts:
Desai, I. P., M.A., PH.D. (Sociology).
Desai, K. A., M.A., LL.B. (Politics).
Desai, M. B., M.COM. PH.D. (Agric.-Economics).
Divetia, Miss S. H., M.A., M.A.(CANTAB), (Philosophy).
Dubey, K. N., M.A., PH.D. (Hindi).
Gulati, I. S., M.A., PH.D. (Economics).
Jani, A. N., M.A., PH.D. (Sanskrit).
Javdekar, A. G., M.A., PH.D. (Philosophy).
Kantak, V. Y., M.A. (English).
Mahulkar, D. D., M.A. (English).
Malic, S. C., M.SC. (Archæology).
Mehta R. N., M.A., LL.B. (English).
Misra, S. C., M.A., PH.D. (History).
Panchandikar, Mrs. J. P., M.A., PH.D. (Sociology).
Panchandikar, K. C., M.A., PH.D. (Sociology).
Patel, R. M., M.A., PH.D. (Gujarati).
Rodrigues, E. L., M.A. (English).
Sandesara, Dr. B. J., M.A., PH.D. (Gujarati).
Sandesara, J. C., M.A., PH.D. (Economics).
Singh, C. P., M.A. (Hindi).
Somjee, A. H., M.A., PH.D. (Politics).
Vankatramanan, L. S., M.A., PH.D. (Economics).

Faculty of Science:
Bafna, S. L., M.SC., PH.D. (Physical Chemistry).
Bhanot, Mrs. I. V., M.A., M.SC. (Statistics).
Bhatt, N. M., M.SC., PH.D., F.S.S. (Statistics).
Chavan, A. R., B.SC., PH.D. (Botany).
Dave, J. S., M.SC., PH.D. (Chemistry).
George, Dr. J. C., M.SC., PH.D. (Zoology).
Janki, Mrs. V. A., M.A., B.LITT., R.R.G.S. (Geography).
Joshi, R. V., M.SC., PH.D. (Physics).
Manerikar, S. D., M.A. (Mathematics).
Modi, V. V., M.SC., PH.D. (Biochemistry).
Pandya, N. S., M.SC., PH.D. (Physics).
Patel, M. M., M.SC., PH.D. (Physics).
Pathak, C. H., M.SC., PH.D. (Botany).
Ramkrishnan, C. V., M.SC., PH.D. (Biochemistry).
Sethna, Dr. S. M., M.SC., PH.D. (Chemistry).
Shah, R. V., M.SC., PH.D. (Zoology).
Singh, U. N., M.A., D.PHIL., D.SC. (Mathematics).

Faculty of Medicine:
Amin, M. G., M.SC., M.B., B.S. (Physiology).
Dave, B. T., M.D., M.R.C.P. (Medicine).
Gulati, O. D., M.D. (Pharmacology).
Niyogi, A. K., M.B., B.S., D.P.H., D.I.H. (Preventive and Social Medicine).
Pathak, J. D., B.SC., M.D., F.C.P.S. (Physiology).
Sahgal, K. N., M.D. (Pathology).
Saiyed, B. A., M.D. (Pathology).

Faculty of Technology and Engineering:
Achwal, M. B., A.R.I.B.A., A.I.I.A. (Architecture).
Batni, P. R., B.E. (ELE). (Electrical Engineering).
Chhadua, N. B., G.D.ARCH., A.I.I.A. (Architecture).
Cholkar, V. B., M.SC. (Mathematics).
Damle, S. K., B.E.(CIVIL), M.S., A.M.S.C.E. (Applied Mechanics).
Dave, N. J., M.E.(CIVIL) (Applied Mechanics).
Dave, R. M., B.E.(CIVIL), A.M.I.STRUCT.E. (Civil Engineering).
Desai, K. P., B.ARCH., D.TROP.ARCH., A.I.I.A. (Architecture).
Desai, Dr. R. L., B.E., B.SC.TECH., M.SC.TECH., PH.D., A.R.I.C. (Textile Chemistry).
Dighe, R. S., B.E., A.M.I.E. (Applied Mechanics).
Hiryur, N. Y., B.SC., B.E. (Applied Mechanics).
Joshi, T. N., B.SC.(ENG.) (Mechanical Engineering).
Khadilkar, C. H., B.E., A.M.I.C.E., A.M.E. (Civil Engineering).
Krishnamurti, K., D.T.T., B.SC.TEXT. (Textile Engineering).

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MADAN, P. J., M.SC., M.E. (Applied Mechanics).
MERH, S. S., M.SC., PH.D. (Geology).
MISTRY, R. J., B.TEXT. (Textile Engineering).
PANCHAL, M. R., D.E.E., B.E.(ELECT), D.SC., M.S.F.E. (Electrical Engineering).
PANDIT, S. H., B.A., G.D.ARCH., A.R.I.B.A. (Architecture).
PATEL, C. M. (Mechanical Engineering).
PATEL, K. H., M.SC. (Textile Engineering).
PATEL, O. H., B.E., M.S., A.M.I.E. (Civil Engineering).
PATEL, R. C., B.E.(ELEC & MECH.) A.R.C.S.T.(MECH) (Mechanical Engineering).
PATEL, S. L., DIP.ARCH., A.R.I.B.A. (Architecture).
SEN, S. M., M.SC., D.I.I.SC., PH.D., M.I.R.E. (Electrical Engineering).
SHAH, C. C., M.SC. (Mathematics).
SHAH, J. M., B.E.(MECH.), B.E.(ELE.) (Mechanical Engineering).
SHAH, K. D., B.E. (Electrical Engineering).
SHAH, K. S., B.E.(ELECT & MECH), D.SC.(TECH.) (Mechanical Engineering).
SHAH, L. B., B.SC., M.SC.TECH., A.M.C.T. (Mechanical Engineering).
SHAH, N. A., B.E., A.M.I.STRUCT.E. (Civil Engineering).
SHAH, R. T., B.E.(MECH.) DR. ING. (Mech. Engineering).
SHAH, S. J., B.E. (ELECT. & MECH.) DR. ING. (Textile Engineering).
THAKORE, K. K., B.SC.ENG. (Electrical Engineering).

Faculty of Education and Psychology:
APTE, D. G., M.A., B.T., M.ED. (Education).
BHATT, L. J., M.A., B.T., M.A. (Psychology).
DESAI, B. G., M.A., PH.D. (General Education).
DESAI, D. M., B.A., M.ED., PH.D. (Educational Administration).
LELE, T. P., B.SC., D.ED., B.ED.(HONS.) (Psychology).
MUKERJI, S. N., M.A., B.T., T.D., PH.D. (Educational Administration).
PASRICHA PREM, Miss M. A., PH.D. (Psychological Counselling).
PATEL, A. S., M.A., M.ED., M.S.(PSY.), M.S.(EDU.), PH.D. (Psychology).
PATEL, M. S., M.A., PH.D., T.D. (Education).
PATHAK, Mrs. P., B.A., B.T., M.ED., PH.D. (Education).
QURAISHI, M. A., M.A., M.ED., PH.D. (Education).
YAJNIK, K. S., M.A., B.T. (General Education).

Faculty of Commerce:
DHOLAKIA, H. L., B.COM., C.A. (Accountancy).
MEHTA, K. C., B.COM., LL.B., C.A. (Accountancy).
NAIK, K. N., M.A., PH.D. (Co-operation).
PANDIT, D. P., M.A. (Industrial Economics).
PATEL, A. G., B.COM., F.C.A. (Accountancy).
SHAH, B. G., M.COM. (Banking).
SHUKLA, D. K., M.A. (Economics of Growth).

Faculty of Fine Arts:
BENDRE, N. S., B.A., G.D. (Painting).
CHAUDHARI, N. N., B.A., DIP. IN ARTS (Sculpture).
GAIROLA, C. K., M.A., PH.D. (Sculpture).
KAPADIA, K. G., G.D.ART (Sculpture).
KHOKHAR, M. P., B.A. (Dance).
MEHTA, R. C., B.A. (Music).
PANCHOLI, B. N., D.T., G.D.ART., A.M. (Applied Arts).
SHUKLA, S. O., SANGIT PRAVIN, SANGIT RASRAJ (Vocal Music).
SUBRAMAYAN, K. G., DIP.IN ARTS (Painting).

Faculty of Home Science:
CHARI, P. S., B.A., B.T., N.SC. (Home Science Education).
MUKERJI, Mrs. R. S., M.A. (Child Development).
PANDIT, Miss S. S., B.SC. (Clothing and Textiles).
SINGH, Kumari JUSTINA, M.SC. (Clothing Textiles).
VERMA, Mrs. A. B., B.A.(HONS.), M.F.d. (Child Development).

Faculty of Social Work:
DADLANI, G. G., B.A., M.S.W., M.SC. (Social Work).
KAVOORI, J. C., M.A. (Social Work).
PATEL, I. M., B.A., M.S.W. (Social Work).
TAYAL, I. S., B.S., M.S.(U.S.A.) M.S.W. (Social Work).

Faculty of Law:
DHOLAKIA, H. C., M.A., LL.B. LL.M. (Law).
SHAH, N. J., B.A., LL.B. (Law).

CONSTITUENT COLLEGES

Baroda Sanskrit Mahavidyalaya: Baroda; f. 1915.

College of Indian Music: Dance and Dramatics, Baroda; f. 1886.

Oriental Institute: Baroda; f. 1927.

Polytechnic: Baroda; f. 1957.

BIHAR UNIVERSITY

PATNA, 4, BIHAR

Founded 1952, re-established 1960: Teaching and Affiliating

Chancellor: The Governor of Bihar.
Vice-Chancellor: K. K. BANARJEE, M.A., B.L.
Registrar: PINAKPANI ROY CHOWDHURY, B.SC.
Number of teachers: 1,709.
Number of students: 62,278.

DEANS:

Faculty of Agriculture: S. K. MUKHERJE, M.SC., DIP.AGR.
Faculty of Arts: H. R. GHOSHAL, D.LITT.
Faculty of Commerce: B. P. SINGH, M.SC.
Faculty of Education: (Vacant).
Faculty of Engineering: D. P. SINHA.
Faculty of Fine Arts and Crafts: (Vacant).
Faculty of Law: K. NARAYAN, M.A., B.L.
Faculty of Medicine: MADAN PRASAD, M.D.
Faculty of Mining and Applied Geology: R. P. SINHA, PH.D.
Faculty of Science: R. SUKLA, PH.D.(LOND.).
Faculty of Veterinary Science: H. R. KAPUR, M.R.C.V.S.

PROFESSORS:

GOUR, K. N., M.A. (History).
PRATAP, M., B.A. (English).
SARKAR, J. N., M.A., PH.D. (History).
SEN, J., M.A. (History).
SHRIVASTAVA, V., M.A. (Hindi).
SINHA, D. N., M.A. (Hindi).
SUKLA, P., PH.D. (Mathematics).
THAKUR, D., M.A. (English).

The university maintains the following teaching departments: Anthropology (Ranchi; f. 1953), Botany (Ranchi; f. 1955), Chemistry (Muzaffarpur; f. 1954), Commerce (Bhagalpur; f. 1954), Economics (Muzaffarpur; f. 1952), English (Muzaffarpur; f. 1952), Geography (Ranchi; f. 1954), Hindi (Ranchi, Bhagalpur, Muzaffarpur; f. 1952), History (Ranchi, Bhagalpur, Muzaffarpur; f. 1952), Mathematics (Muzaffarpur, Bhagalpur; f. 1952), Philosophy (Muzaffarpur; f. 1953), Physics (Muzaffarpur; f. 1954), Political Science (Ranchi; f. 1954), Psychology (Muzaffarpur; f. 1954), Sanskrit (Muzaffarpur; f. 1953), Zoology (Ranchi; f. 1955).

CONSTITUENT COLLEGES

Langat Singh College: Muzaffarpur; f. 1899.
Principal: M. PRATAP.

Ranchi College: Ranchi; f. 1926.
Principal: G. P. DUBE, M.SC.

Tej Narayan Jubilee College: Bhagalpur.
Principal: P. B. GUPTA, M.SC.

AFFILIATED COLLEGES:

A.N.S. College: Barh; f. 1951.

Bihar Agricultural College: Sabour; f. 1945.
Principal: R. H. RICHHARIA, PH.D.

Bihar Institute of Technology: Sindri; f. 1950.
Principal: D. L. DESHPANDE, M.SC.

Bihar Veterinary College: Patna; f. 1930.
Principal: H. R. KAPUR, M.R.C.V.S.

Bindeshwar Singh College: Dinapore; f. 1955.
Principal: P. K. CHOUDHARY, M.SC.

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Birla Institute of Technology: Mesra, Ranchi; f. 1955.
Principal: M. C. PANDEY.

Chandradhari Mithila College: Darbhanga; f. 1938.
Principal: L. K. MISHRA, M.SC., PH.D.

Chotanagpur Law College: Ranchi; f. 1954.
Principal: B. K. SINHA, B.A., B.L.

College of Commerce: Patna; f. 1955.
Principal: I. S. JHA, M.COM.

D.A.V. College: Siwan; f. 1941.
Principal: B. B. MISHRA, PH.D.

Darbhanga Medical College: Dharbanga; f. 1946.
Principal: MADAN PRASAD.

Darshan Shah College: Katihar; f. 1954.
Principal: B. N. SINHA, M.A.

Deoghar College: Deoghar; f. 1951.
Principal: K. N. SAHAY, M.A.

Ganesh Lal Agarwal College: Daltonganj; f. 1954.

Gaya College: Gaya; f. 1944.
Principal: K. S. VARMA, PH.D.

Ganesh Dutta College: Begusarai; f. 1955.
Principal: S. N. SINGH, M.A.

Giridih College: Giridih; f. 1955.

Godda College: Godda; f. 1955.

H. D. Jain College: Arrah; f. 1942.
Principal: PARAMHANS RAY, M.COM.

Indian School of Mines and Applied Geology: Dhanbad; f. 1926.
Principal: R. P. SINHA, PH.D.

Jagdam College: Chapra; f. 1955.

Jaiprakash College: Narayanpur, Bhagalpur; f. 1953.

J. K. College: Purulia; f. 1948.
Principal: ANAND KRISHNA PRASAD, M.A.

Jamshedpur Co-operative College: Jamshedpur; f. 1954.
Principal: MAHABIR SINGH, M.A.

Koshi College: Khagaria; f. 1948.
Principal: RAN BAHADUR PRASAD, M.A.

Mahant Darshan Das Mahila College: Muzaffarpur; f. 1946.
Principal: LALITA SINHA, M.A.

Maharaja Ram Ran Vijoy Singh College: Arrah; f. 1955.

Maharani Janki Kunwar College: Bettiah; f. 1955.

Marwari College: Bhagalpur; f. 1941.
Principal: B. N. MUKHERJI, M.A.

M.D.D. Mahila College: Muzaffarpur.
Principal: Mrs. LALITA SINHA, M.A.

Munshi Singh College: Motihari; f. 1945.
Principal: K. P. SINHA, M.SC.

Murarka College: Sultanganj; f. 1955.
Principal: G. D. CHAKRAVARTY, M.A.

Muzaffarpur Institute of Technology: Muzaffarpur.
Principal: B. OJHA, M.SC.

Nalanda College: Biharshariff; f. 1920.

Purnea College: Purnea; f. 1948.
Principal: J. P. JHA DWIJ, M.A.

Raja Shib Prasad College: Jharia; f. 1952.

Rajendra College: Chapra; f. 1938.
Principal: M. P. SINHA, M.A.

Rajnarain College: Hajipur, Mazaffarpur; f. 1952.

Ram Dayalu Singh College: Muzaffarpur; f. 1948.
Principal: G. P. SINGH, M.A.

Ram Krishna College: Madhubani (Darbhanga); f. 1941.
Principal: A. K. DUTTA, M.A.

Ranchi Agricultural College: Ranchi; f. 1950.
Principal: R. S. ROY, PH.D.

Ranchi Women's College: Ranchi; f. 1950.
Principal: Mrs H. PRASAD, M.A.

R. D. and D. J. College: Monghyr; f. 1899.
Principal: K. N. SINGH KAPIL, M.A.

Saharsa College: Saharsa; f. 1953.

Sahebganj College: Sahebganj; f. 1953.

Samastipur College: Samastipur; f. 1949.
Principal: C. S. KESARI, M.A.

Santal Parganas College: Dumka; f. 1955.

Santal Theological Seminary: Benagaria, Bihar.
Principal: Rev. O. DORDAL.

S.K.J. Law College: Muzaffarpur; f. 1948.
Principal: KISHORE NARAYAN, M.A., B.L.

S. P. Jain College: Sasaram, Sahabad; f. 1952.

Sri Krishna Ramruchi College: Barbigha; f. 1955.

S.R.K. Goenka College: Sitamarhi; f. 1949.
Principal: B. M. MISHRA, M.A.

S. Sinha College: Aurangabad (Gaya); f. 1944.

St. Columba's College: Hazaribagh; f. 1899.
Principal: A. F. MARKHAM, M.A.

St. Xavier's College: Ranchi; f. 1945.
Principal: A. SCHOCKAERT, PH.D.

Sundarvaji Mahila Mahavidyalaya: Bhagalpur; f. 1949.
Principal: Mrs. S. VEDALANKAR, PH.D.

Swami Sahjanand College: Jehanabad; f. 1955.

Tata College: Chaibasa; f. 1954.

Thakur Prasad College: Madhepura; f. 1954.

Tirhut College of Engineering: Muzaffarpur; f. 1954.
Principal: B. OJHA.

T.N.J. College: Bhagalpur; f. 1887.
Principal: P. B. GUPTA, M.SC.

UNIVERSITY OF BOMBAY

BOMBAY, 1

Telephone 25534I-3

Founded 1857: Teaching and Affiliating

Chancellor: H.E. THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: Dr. V. R. KHANOLKAR, B.SC., M.D., F.A.SC., F.N.I.
Rector: G. D. PARIKH, M.A.
Registrar: T. V. CHIDAMBARAN, B.A.
Librarian: D. N. MARSHALL, M.A., DIP.LIB.

Number of students: 50,435.
Publications: *The Journal of the University of Bombay, University Handbook* Parts I-IV, University Economic and Sociology Series, Sanskrit, Prakrit and Pali Series.

DEANS:

Faculty of Arts: V. G. HATALKAR, M.A., D.LITT.
Faculty of Science: A. N. NAMJOSHI, M.SC.(Botany), M.SC.(Chemistry).
Faculty of Technology: P. W. DHARAP, B.A., M.I.E., A.M.I.E.E., A.M.BRIT.T.R.E.
Faculty of Law: M. P. AMIN. B.A., LL.B.
Faculty of Medicine: K. C. BATLIWALA, M.B., B.S., PH.D.
Faculty of Commerce: G. L. MAINI, M.COM.
Faculty of Dentistry: C. T. CHUDGAR, L.D.S., R.C.S.

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CONSTITUENT COLLEGES:

Bhavan's College (*Megji Mathradas College of Arts*) Chowpatty, Bombay: *Narrondass Manordass Institute of Science*, Andheri, Bombay.
Principal: B. M. NAIK, M.A.

Bombay College of Pharmacy: Fort, Bombay; f. 1957.
Principal: K. S. PATEL, B.SC., B.PHARM., M.S.PHARM.

Bombay Veterinary College: Parel, Bombay; f. 1886.
Principal: D. T. PARNAIK, G.B.V.C.

College of Nursing: Bombay 8.
Principal: Smt. M. BALSARA, B.A., M.SC.(NURSING).

D. G. Ruparel College: Dadar (West), Bombay, 16; f. 1952.
Principal: N. G. SURU, M.A.

Elphinstone College: Fort, Bombay, f. 1856.
Principal: G. C. BANNERJEE, M.A., B.LITT.

Goa Education Society's College of Arts and Science: Panjim, Goa.
Principal: Y. V. LAWANDE, M.SC., PH.D.

Government Law College: Bombay; f. 1855.
Principal: T. K. TOPE, M.A., LL.B.

Grant Medical College: Byculla, Bombay.
Dean: D. V. VIRKAR, M.S., F.R.C.S.E.

Hyderabad (Sind) National Collegiate Board's College of Commerce and Economics: Bombay, 1.
Principal: H. C. MALKANI, M.A.

Hyderabad (Sind) National Collegiate Board's College of Commerce and Economics: Bandra, Bombay 50.
Principal: P. N. GIDWANI, B.A., B.SC., B.LITT., Bar.-at-Law.

Institute of Science: Fort, Bombay.
Director: D. V. BAL, M.SC., PH.D.

Ismail Yusuf College: Jogeshwari, Bombay Suburban District; f. 1930.
Principal: P. S. REGE, B.A., B.SC.(ECON.).

Jai Hind College and Basantsing Institute of Science: 23-4 Backbay Reclamation, Bombay; f. 1948.
Principal: T. M. ADVANI, M.A., LL.B.

Khalsa College: Matunga, Bombay 19; f. 1937; number of teachers 86, students 2,587.
Principal: S. NIRANJAN SINGH, M.SC.
The library contains 23,017 volumes.

Kirti College: Dadar, Bombay, 28; f. 1954; number of teachers 70, students 1,981.
Principal: M. G. BHATE, M.A., B.SC.(ECON.).

Kishinchand Chellaram College: Dinshaw Wacha Road, Bombay, 1; f. 1954.
Principal: K. M. KUNDNANI, M.SC.

Law College: Dinshaw Wacha Road, Bombay, 1; f. 1955.
Principal: KHANCHAND GOPALDAS, B.A., LL.B.

Maharshi Dayanand Education Society's College of Arts and Science: Bombay 12.
Principal: D. R. SAMANT, M.A.

Nair Hospital Dental College: Lamington Road, Bombay, 8; f. 1954.
Dean: H. D. MERCHANT, D.M.D., F.I.C.D.

New Law College: Matunga, Bombay, 16; f. 1954.
Principal: D. R. KOTHARE, B.A., LL.B.

Parle College: Vile Parle, Bombay; f. 1959.
Principal: C. B. JOSHI, M.A., B.A.

Parle Tilak Vidyalaya's Commerce College: Vile Parle, Bombay.
Principal: Shri M. D. LIMAYE, M.COM.

Ramnarain Ruia College: Matunga, Bombay 19; f. 1937; number of teachers 131, students 2,928.
Principal: N. N. MURTI, B.A., PH.D.(LOND.), D.I.C.

R. A. Podar College of Commerce and Economics: Matunga, Bombay; f. 1941; number of teachers 55, students 1,898.
Principal: L. N. WELINGKAR, B.SC.(ECON.)
Librarian: P. V. AINAPURE, M.A., DIP.LIB.
The library contains 25,446 volumes.

Rishi Dayaram and Seth Hassaram National College and Seth Wassiamul Assomul Science College: Bandra, Bombay 50; f. 1949.
Principal: L. H. AJWANI, M.A.

Sadhana School of Educational Research and Training: Vile Parle (West) Bombay.
Principal: N. N. SHUKLA, B.SC., M.ED., PH.D.

Sardar Patel College of Engineering: Andheri, Bombay.
Principal: S. B. JUNNARKAR, B.A., B.SC.(LOND.).

St. Xavier's College: Cruickshank Road, Fort, Bombay 1, B.I.; f. 1869; managed by Fathers of Society of Jesus.
Principal: Rev. Fr. E. D'CRUZ, S.J., M.A.
Librarian: Rev. Fr. F. D. D'SOUZA, S.J., PH.D., D.D.
The library contains 126,676 volumes.
Number of teachers: 122.
Number of students: 2,725.

Secondary Training College: Cruickshank Road, Bombay; f. 1906; number of teachers 14, students 145.
Principal: N. R. PARASNIS, M.A., B.T., T.D., PH.D.
The library contains 16,599 volumes.

Seth G. S. Medical College: Parel, Bombay; f. 1925.
Dean: S. V. JOGLEKAR, M.S.
The library contains 17,894 volumes.
Number of teachers: 115.
Number of students: 739.

Siddharth College of Arts and Sciences: Dr. D. Naoroji Road Bombay; f. 1946.
Principal: H. R. KARNIK, M.A., PH.D.

Siddharth College of Commerce and Economics: Dr. D. Naoroji Road, Bombay, 1; f. 1953.
Principal: J. C. BAHL, B.A., M.COM.

Siddharth College of Law: Bombay.
Principal: P. T. BORALE, B.A., LL.B.

Sir Currimbloy Ebrahim Memorial Dental College: Byculla, Bombay.
Principal: K. L. SHOURIE, B.SC., M.B.B.S., M.D.S., M.SC., PH.D.

Shri J. J. College of Architecture: Bombay 1; f. 1857, affiliated 1952.
Principal: W. J. DE LIMA, G.D.ARCH., A.I.I.A.

Smt. Parvatibai Chowgule Cultural Foundation's College of Arts and Science: Margao, Goa.
Principal: D. B. WAGH, M.A.

Somaiya Vidyavihar's K. J. Somaiya College of Arts and Science: Ghatkoper, Bombay.
Principal: R. D. ADATIA, M.SC., PH.D.

Sophia College for Women: Somerset House, Bombay 26; f. 1940; number of teachers 38, students 966.
Principal: Rev. Mother W. WARD, M.A., L.R.A.M., M.R.S.T.

South India Education Society's College of Arts and Science: Sion-West Bombay, 22.
Principal: A. B. SHAH, M.SC.

St. Xavier's Institute of Education: Bombay, 1; f. 1953.
Principal: Rev. Fr. A. SOLAGRAN, S.J., M.A., PH.D., D.D.

Sydenham College of Commerce and Economics: Fort, Bombay, 1; f. 1913.
Principal: K. T. MERCHANT, M.A., B.SC.(ECON.), LL.B.

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Topiwala National Medical College: Lamington Road (North), Bombay 8; f. 1921; number of students 398.

Victoria Jubilee Technical Institute: College Road, Matunga, Bombay; f. 1887.
Principal: R. K. MODY, M.SC.(TECH.), A.M.C.T., A.T.I.

Vile Parle Kelawani Mandal's M.M. College of Arts and M.D.C. Institute of Science: Vile Parle, Bombay 57.
Principal: A. B. YAJNIK, M.A.

Wilson College: Chowpatty, Bombay 7; f. 1832; college maintained by Church of Scotland; now under Board of United Church of N. India.
Principal: J. W. AIRAN, M.SC., PH.D.

RECOGNISED POST-GRADUATE INSTITUTIONS:

Anjuman-i-Islam Urdu Research Institute: Dr. Dadabhoy Nowroji Road, Bombay; f. 1946.

Atomic Energy Establishment: Trombay, Bombay.

Bharatiya Vidya Bhawan: Chowpatty, Bombay 7; f. 1938.

Bombay Labour Institute: Bombay 12.

Bombay Natural History Society: 91 Walkeshwar Road, Bombay 6.

Haffkine Institute: Parle, Bombay, 12; f. 1896.

Indian Cancer Research Centre: Bombay, 12; f. 1950.

Marathi Sanshodhan Mandal: Dadar, Bombay 14; f. 1948.

Naval Chemical and Metallurgical Laboratory: Naval Dockyard, Bombay, 1.

Taraporawala Marine Biological Research Station: Bombay, 2; f. 1945.

Tata Institute of Fundamental Research: Appollo Pier Road, Bombay; f. 1945.

Technological Laboratory, Indian Central Cotton Committee: Bombay, 19.

UNIVERSITY OF CALCUTTA

CALCUTTA

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Vice-Chancellor: BIDHULHUSHAN MALIK, M.A., LL.B., BAR.-AT-LAW.
Registrar: Dr. GOLAPCHANDRA RAYCHAUDHURY, M.A., LL.B. PH.D.
Librarian: PRAMIL CHANDRA BOSE, B.A., DIP.LIB.(A.L.A.).

The library contains 347,842 volumes.
Number of professors: 31.
Number of students: 114,221.

DEANS:

Faculty of Agriculture: PABITRAKUMAR SEN, M.SC., PH.D., D.I.C.
Faculty of Arts: Prof. NIHARRANJAN RAY, M.A., D.LETT. & PHIL.(LEYDEN), F.L.A., F.R.A.S., F.R.S.A.(G.B.), M.P.
Faculty of Commerce: SAROJKUMAR BASU, M.A., PH.D.
Faculty of Education: ANILCHANDRA BANERJEE, M.A., PH.D.
Faculty of Engineering: A. C. RAY, B.SC.HONS.(GLASGOW), A.M.I.MECH.E., M.I.E.(IND.).
Faculty of Fine Arts and Music: GAURINATH BHATTACHARYYA, M.A., D.LITT.
Faculty of Journalism: CHAPALA KANTA BHATTACHARYYA, M.A., LL.B., M.P.
Faculty of Law: Hon. Justice P. B. MUKHARJI, B.A., LL.B., Barrister-at-Law.
Faculty of Medicine: SAILENDRANATH SEN, M.B., M.R.C.P.
Faculty of Science: SATISRANJAN KHASTGIR, D.SC., PH.D., F.N.I.
Faculty of Technology: JATINDRANATH BHAR, D.SC., F.N.I.
Faculty of Veterinary Science: BILEKMOHAN SENGUPTA, M.B., M.D. (FREIBURG).

PROFESSORS:

BAGCHI, S. N., D.SC. (Pure Physics).
BANERJEE, A. C., M.A., PH.D. (Pali).
BASU, N. K., M.SC., M.S. (Chemical Engineering).
BASU, P. K., M.SC., D.PHIL. (Statistics).
BASU, S. K., M.SC. (Psychology).
BASU, S. K. M.A., PH.D. (Industrial Finance).
BHADURI, J. L., D.SC. (Zoology).
BHAR, J. N., D.SC. (Radiophysics and Electronics).
BHATTACHARYYA, ASUTOSH, M.A., PH.D. (Sanskrit).
BHATTACHARYYA, G., M.A., P.R.S. (Philosophy).
BISI, P. N., M.A. (Bengali).
BOSE, A., M.A., DR. PHIL. (English).
CHAKRABARTY, D., D.SC., F.N.I. (Pure Chemistry).
CHATTERJEE, Mrs. A., D.SC. (Pure Chemistry).
CHATTERJEE, N. N., M.SC. (Geology).
CHATTERJEE, S., M.SC., T.D., PH.D., D.LITT., F.G.S. (Geography).
DASGUPTA, SASHI BHUSHAN, M.A., PH.D. (Modern Indian Languages).
DATTA, A. K., D.SC., F.N.I. (Pure Physics).
GHOSH, B., D.SC. (Chemistry).
GHOSH, S., D.SC. (Applied Mathematics).
KHASTGIR, S. R., D.SC., PH.D., F.N.I. (Pure Physics).
RAY, N. C., M.A., PH.D. (Political Science).
RAY, N. R., M.A., D.LITT. and PHIL., DIP.LITT. (Ancient Indian History).
RAY, S. C., D.SC. (Biochemistry).
SARASWALI, S. K. (Archæology).
SARKAR, D. C., M.A., PH.D. (Ancient Indian History and Culture).
SARKAR, S. M., M.SC., PH.D. (Botany).
SEN, P. K., M.SC., PH.D., D.SC. (Agriculture).
SEN, S. N., M.A., PH.D. (Economics).
SEN, S., M.A., PH.D. (Comparative Philology).
SENGUPTA, A. K., D.SC., A.M.I.E.E. (Applied Physics).
SINHA, N. K., M.A., PH.D. (Medieval and Modern Indian History).

UNIVERSITY COLLEGES:

University College of Arts: f. 1954.

University College of Commerce: f. 1954.

University College of Law: f. 1909.

University College of Medicine: f. 1957.

University College of Science: f. 1954.

University College of Technology: f. 1954.

CONSTITUENT COLLEGES:

All India Institute of Hygiene and Public Health: 110 Chitaranjan Avenue, Calcutta; f. 1932.

Bengal Engineering College: Botanic Gardens, Shibpur Howrah; f. 1856.

David Hare Training College: 25/3 Ballygunge Circular Road, Calcutta; f. 1908.

Medical College: 88 College Street, Calcutta; f. 1835.

Presidency College: 86/1 College Street, Calcutta; f. 1817.

R. G. Kar Medical College: 1 Balgachia Road, Calcutta; f. 1916.

Sanskrit College: Bankim Chatterjee Street, Calcutta; f. 1824.

AFFILIATED COLLEGES

Acharyya Prafullachandra College: Po. Aharampore, 24-Paraganas; f. 1960.

Ananda Mohan College: 102/1 Amhust Street, Calcutta 9; f. 1961.

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Anandachandra Training College: Jalpaiguri; f. 1958.

Asutosh College: 92 Syamaprasad Mookerjee Road, Calcutta-26; f. 1916.

Bagnan College: Bagnan (Howrah); f. 1958.

Bangabasi College: 19 Scott Lane, Calcutta; f. 1887.

Bankim Sardar College: Tangrakhali (24 Parganas); f. 1955.

Bankura Sammilani Medical College: Bankura; f. 1956

Barasat Government College: Barasat (24 Parganas); f. 1950.

Basanti Devi College: 147-A Rashbehari Avenue, Calcutta; f. 1959.

Basirhat College: Basirhat (24 Parganas); f. 1947.

Bengal Ceramic Institute: 71 Abinash Chandra Banerjee Road, Calcutta 10; f. 1962.

Bengal Music College: 4 Hindustan Road, Calcutta; f. 1940.

Bengal Veterinary College: Belgachia, Calcutta; f. 1893.

Berhampore Girls' College: Berhampore (Murshidabad); f. 1946.

Bethune College: 181 Cornwallis Street, Calcutta; f. 1849.

Brahmananda Keshab Chandra College: Bon-Hooghly, Calcutta-35; f. 1956.

Calcutta Dental College: 114 Lower Circular Road, Calcutta; f. 1920.

Charuchandra College: 109-2 Lake Road, Calcutta 29; f. 1947.

Chittaranjan Seva Sadan: 148 Syamaprasad Mookerjee Road, Calcutta-26; f. 1949.

City College: 102-1 Amherst Street, Calcutta; f. 1881.

City College of Commerce and Business Administration: 13 Suryya Sen Street, Calcutta 9; f. 1961.

College of Commerce: Midnapur; f. 1961.

College of Leather Technology: Canal South Road, Calcutta -15; f. 1919.

College of Textile Technology: Berhampore (Murshidabad); f. 1958.

Deshbandhu College for Girls: 58/A Sadananda Road, Calcutta; f. 1950.

Dinabandhu Andrews College: Vaishnabghata, Garia (24 Parganas); f. 1956.

Dinabandhu Institution: 412/1 G.T. Road, Sibpur (Howrah); f. 1948.

Dinabandhu Mahavidyalaya: Bongaon (24 Parganas); f. 1947.

Dum Dum Moti Jheel College: Dum Dum; f. 1950.

Fakir Chand College: Diamond Harbour (24 Parganas); f. 1948.

Garbeta College: Garbeta (Midnapore); f. 1948.

Girls' College: 5/3 Mahatma Gandhi Road, Howrah; f. 1947.

Gobardanga Hindu College: Gobardanga (24 Parganas); f. 1947.

Goenka College of Commerce and Business Management: 210 Bowbazar Street, Calcutta; f. 1951.

Gokhale Memorial Girls College: 1/1 Harish Mukherjee Road, Calcutta; f. 1920.

Gurudas College: Narikeldanga, Calcutta; f. 1956.

Heramba Chandra College: 23/49 Gariahata Road, Calcutta; f. 1961.

Hiralal Majumdar Memorial College for Women: Dakhineswar, Calcutta; f. 1959.

Indian Institute of Social Welfare and Business Management: College Square, East, Calcutta-12; f. 1953.

Institute of Child Health: 95 Dilkhusa Street, Calcutta 17; f. 1961.

Institute of Education for Women: Hastings House, Alipur, Calcutta; f. 1954.

Jangipur College: Jangipur (Murshidabad); f. 1950.

Jhargram Raj College: Jhargram (Midnapore); f. 1949.

Jiaganj College of Commerce: Jiaganj, Murshidabad; f. 1962.

Jogamaya Devi College: 92 Syamaprasad Mookerjee Road, Calcutta 26; f. 1958.

Kandi Raj College: Kandi (Murshidabad); f. 1950.

Kharagpur College: Kharagpur; f. 1940.

Khudiram Bose Central College: 71/2A Cornwallis Street, Calcutta; f. 1956.

Krishnagar College: Krishnagar (Nadia); f. 1846.

Krishnagar Girls' College: Krishnagar; f. 1958.

Krishnath College: Berhampore (Murshidabad); f. 1853.

Lady Brabourne College: P-1/2 Suhrawardy Avenue, Calcutta; f. 1938.

Loreto College: 7 Middleton Row, Calcutta; f. 1912.

Maharaja Bir Bikram College: Agartala; f. 1947.

Maharaja Manindrachandra College: 20 Ramkanta Bose Street, Calcutta; f. 1941.

Mahishadal Raj College: Mahishadal (Midnapore); f. 1946.

Maulna Azad College: 8 Wellesley Street, Calcutta; f. 1926.

Midnapore College, Midnapore; f. 1873.

Murlidhar Girls' College: 4 Hindustan Road, Calcutta; f. 1940.

Nabadwip Vidyasagar College: Nabadwip (Nadia); f. 1942.

Narsinha Dutt College: 129 Belilios Road, Howrah; f. 1924.

National Medical College: Gorachand Road, Calcutta; f. 1948.

Nilratan Sircar Medical College: 138 Lower Circular Road, Calcutta; f. 1948.

Panskura Banamali College: P.O. Pahskura, Midnapur; f. 1961.

P.N.D. College: Santinagar (24 Parganas); f. 1962.

Prabhat Kumar College: Contai (Midnapore); f. 1926.

Prafullachandra College: 23/49 Gariahata Road, Calcutta; f. 1961.

Rabinora Sata Barsiki College: Ghatal, Midnapur; f. 1961.

Raja Narendralal Khan Women's College: Midnapur; f. 1957.

Ramkrishna Mahavidyalaya: Kailashahr (Tripura); f. 1950.

Ramkrishna Mission College: Narendrapur (24 Parganas); f. 1960.

Ramkrishna Mission Vidyamandir: Belur Math (Howrah); f. 1941.

Ramkrishna Mission Sikshan Mandir: Belur Math (Howrah); f. 1958.

Ramsaday College: Amta (Howrah); f. 1946.

Rammohan College: 102/1 Amherst Street, Calcutta 9; f. 1961.

Ranaghat College: Ranaghat (Nadia); f. 1950.

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Rani Birla Girl's College: 78 Syed Amir Ali Avenue, Calcutta 19; f. 1961.

Rastraguru Surendranath College: Barrackpur (24 Parganas); f. 1953.

Rishi Bankim Chandra College: Naihati (24 Parganas); f. 1947.

Sangit Bharati: 25 Syamaprasad Mookerjee Road, Calcutta; f. 1943.

Santipur College: Santipur (Nadia); f. 1948.

Sarojini Naidu College for Women: Dum Dum; f. 1956.

Sevayatan Sikshan Mahavidyalaya: P.O. Sevayatan, Via.-Jhargram (Midnapore); f. 1960.

School of Tropical Medicine: Calcutta; f. 1921.

Scottish Church College: 4 Azad Hind Bagh, Calcutta; f. 1830.

Seth Anandram Jaipuria College: 10 Raja Naba Kissen Street, Calcutta; f. 1945.

Seth Soorajmal Jalan Girls' College: 186 Chittaranjan Avenue, Calcutta; f. 1954.

Sibanath Sastri College: 23/49 Gariahata Road, Calcutta; f. 1961.

Sitananda College: Nandigram, Midnapore; f. 1960.

South Calcutta Girls' College: 72 Sarat Bose Road, Calcutta; f. 1932.

Sri Chaitanya College: Habra; f. 1956.

Srikrishna College: Bogoola (Nadia); f. 1950.

Sripat Singh College: Jiaganj (Murshidabad); f. 1949.

Sri Ramakrishnan Sarada Mission Vivekananda Bidyabhavan: 33 Nayapalli Road, Dum Dum, Calcutta 28; f. 1961.

Sri Shikshayatan College: 11 Lord Sinha Road, Calcutta; f. 1955.

St. Paul's C.M. College: 33/1 Amherst Street, Calcutta; f. 1865.

Sundarban Haxi Dasarat College: P.O. Bat-Tali, Via-Pathan-Khati, (24 Parganas), Midnapur; f. 1961.

St. Xavier's College: 30 Park Street, Calcutta; f. 1860.

Surendranath College: 24 Harrison Road, Calcutta; f. 1884.

Surendranath College for Women: 24 Harrison Road, Calcutta-9; f. 1960.

Surendranath College of Commerce: 24 Mahatma Gandhi Road, Calcutta.

Surendranath Law College: 24 Harrison Road, Calcutta; f. 1885.

Syamaprasad College: 92 Syamaprasad Mookerjee Road, Calcutta 26; f. 1958.

Taki Government College: Taki (24 Parganas); f. 1950.

Tamralipta Mahavidyalaya; Tamluk, Midnapur; f. 1948.

Uluberia College: Uluberia (Howrah); f. 1948.

Umeshchandra College: 13 Suryya Sen Street, Calcutta; f. 1961.

Union Christian Training College: Berhampore; f. 1937.

Victoria Institution for Girls: 78-B Upper Circular Road, Calcutta; f. 1932.

Vidyasagar College: 39 Sankar Ghosh Lane, Calcutta; f. 1872.

Vidyasagar Evening College: 39 Sankar Ghosh Lane, Calcutta 6; f. 1961.

Vidyasagar College for Women: 39 Sankar Ghosh Lane, Calcutta 9; f. 1960.

Viharilal College of Home Science: Hastings House, Calcutta; f. 1957.

Vijaygarh Jyotis Roy College: Vijaygarh, Calcutta-32; f. 1950.

Vivekananda College: Barisha (24 Parganas); f. 1950.

Vivekananda College for Women: Barisha, Calcutta 8; f. 1961.

Women's College: 204 Cornwallis Street, Calcutta; f. 1937.

Women's Christian College: 6 Greek Church Row, Kalighat. Calcutta; f. 1945.

RECOGNISED INSTITUTIONS:

Dufferin Hospital: Calcutta, 9; f. 1886.

Institute of Post-Graduate Medical Education and Research: 244 Lower Circular Road, Calcutta; f. 1957.

School of Anaesthesiology, Calcutta: 244 Lower Circular Road, Calcutta; f. 1953.

UNIVERSITY OF DELHI

DELHI 6

Telephone 221421

Telegraphic Address: University, Delhi

Founded 1922: Teaching and Affiliating

Chancellor: Dr. ZAKIR HUSSAIN, Vice-President of India.
Pro-Chancellor: The HON. CHIEF JUSTICE SHRI B. P. SINHA.
Vice-Chancellor: C. D. DESHMUKH.
Registrar: T. P. S. IYER, M.A.
Librarian: S. DAS GUPTA, M.A.

The library contains 186,000 vols.
Number of professors: 31.
Number of students: 23,659.

DEANS:

Faculty of Arts: K. A. FARUQI, M.A., PH.D.
Faculty of Science: R. C. MAJUMDAR, D.PHIL.NAT.
Faculty of Law: M. RAMASWAMY, B.A., B.L.
Faculty of Medical Sciences: R. VISWANATHAN, M.A., M.D., M.R.C.P., T.D.D.
Faculty of Education: Prof. T. K. N. MEMON.
Faculty of Social Sciences: M. N. SRINIVAS, M.A., PH.D.
Faculty of Technology: S. C. SEN, B.SC.(MECH.ENG.).
Faculty of Music: Prof. R. L. ROY.

PROFESSORS:

AULUCK, F. C., M.A., D.SC. (Physics).
BANERJEE, N. V., M.A., PH.D. (Philosophy).
BISHESHWAR PRASAD, Dr., M.A., D.LITT. (History).
BISWAS, P. C., M.SC., PH.D. (Anthropology).
CHOUDHURI, N. N., M.A., D.LITT. (Sanskrit).
DAS GUPTA, Dr. A. (Business Management).
DAS, GUPTA, R. K., M.A., PH.D. (Bengali).
FARUQI, K. A., M.A., PH.D. (Urdu).
GOKHALE, V. V., M.A., PH.D. (Buddhist Studies).
JAIN, B. D., M.SC., PH.D., D.I.C. (Organic Chemistry).
KICHLU, P. K., D.SC. (Physics).
KURYAN, G. (Geography).
MAHESHWARI, P., D.SC., F.N.I. (Botany).
MAJUMDAR, R. C., D.PHIL.NAT. (Physics).
MITRA, R. P., M.SC., D.SC. (Chemistry).
NAGENDRA, M.A., D.LITT. (Hindi).
RAJ, K. N., M.A., PH.D., D.LITT. (Monetary Economics).
RAMASWAMY, M., B.A., B.L. (Constitutional Law).
ROY, R. L., M.A., PH.D. (Hindustani Music).
SADAGOPAN, V. V. (Karnatak Music).
SAHA, N. K., M.SC., P.PHIL., DR.RER.NAT. (Physics).
SEN, A. K., M.A., PH.D. (Economics).

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SESACHAR, B. R., M.SC. D.SC. (Zoology).
SESHADRI, Dr. T. R., M.SC., PH.D., F.R.S. (Chemistry).
SHRINIVAS, M. N., M.A., PH.D. (Sociology).
SHUKLA, M. C., B.COMM., BAR-AT-LAW (Commerce).
SINGH, H., M.A., LL.B., PH.D. (African Studies, Political Science).
SIVASUBRAMANIAN, L. R., M.L. (Law).
VARMA, S. N., M.A., PH.D. (African Studies).
VERMA, R. S., M.SC., D.SC. (Mathematics).

CONSTITUENT COLLEGES:

Central Institute of Education: Delhi; f. 1947.

College of Engineering and Technology: Hauz Khas, New Delhi; f. 1961.

College of Nursing: New Delhi; f. 1946.

Delhi College: f. 1924.

Delhi Polytechnic: f. 1941.

Delhi School of Economics: f. 1948.

Delhi School of Social Work: f. 1946.

Deshbandhu College: Kalkaji, New Delhi; f. 1951.

Dyal Singh College: Rouse Avenue, New Delhi; f. 1959.

Hans Raj College: Delhi; f. 1948.

Hindu College: Delhi; f. 1889.

Indraprastha College for Women: Delhi; f. 1924.

Institute of Economic Growth: Delhi; f. 1961.

Institute of Post-Graduate Evening Studies: University of Delhi, Delhi; f. 1959.

Jankidevi Mahavidyalaya: Rouse Avenue, New Delhi; f. 1959.

Kirorimal College: Delhi; f. 1949.

Lady Hardinge Medical College: New Delhi; f. 1916.

Lady Irwin College: New Delhi; f. 1922.

Lady Shri Ram College for Women: Lajpatnagar, New Delhi; f. 1956.

Maulana Azad Medical College: f. 1958.

Miranda House for Women: Delhi; f. 1948.

P.G.D.A.V. College: f. 1957.

Pramila College: Hardinge Avenue, New Delhi; f. 1960.

Ramjas College: Delhi; f. 1917.

Sanatan Dharma College: Anand Parbat, New Delhi; f. 1959.

School of Planning and Architecture: New Delhi; f. 1959.

Shri Guru Teg Bahadur Khalsa College: Karol Bagh, Delhi; f. 1951.

Shri Ram College of Commerce: Delhi; f. 1926.

Sri Venkateswara College: Rouse Avenue, New Delhi; f. 1961.

St. Stephen's College: Delhi; f. 1881.

Vallabhbhai Patel Chest Institute: Delhi; f. 1951.

W.A.F. Memorial Shivaji College: Najafgarh, New Delhi; f. 1961.

THE UNIVERSITY OF GAUHATI

P.O. GAUHATI UNIVERSITY, JALUKBAR

Telephone: 15

Founded 1948: Teaching and Affiliating

Chancellor: The Governor of ASSAM.
Vice-Chancellor: Dr. H. J. TAYLOR, M.SC., PH.D.
Registrar: C. DAS, M.A., B.L.
Librarian: J. SHARMA, M.A., DIP. IN LIB. SC.

The library contains 52,697 volumes.
Number of teachers: 1,510 (including affiliated colleges).
Number of students: 31,634 (including affiliated colleges).

DEANS:

Faculty of Arts: P. C. THOMAS, M.A., PH.D.
Faculty of Commerce: (Vacant).
Faculty of Science: P. C. MAHANTA, M.SC., PH.D.
Faculty of Medicine: Dr. S. N. SARMA, M.B., D.L.O., F.R.C.S., F.I.C.S.
Faculty of Agriculture: M. C. DAS, M.SC., PH.D., F.L.S., F.R.M.S.
Faculty of Law: Dr. J. C. MEDHI, M.A., B.L., PH.D.
Faculty of Engineering: N. DASGUPTA, B.E., M.S.

PROFESSORS:

BARUA, B. K., M.A., B.L., PH.D. (Assamese).
BARUAH, H. K., M.SC., PH.D. (Botany).
BARUAH, R. K., M.S.C., PH.D. (Chemistry).
CHAUDHURY, J. M., M.SC., PH.D. (Geology).
GOSWAMI, M. C., M.A., B.T., M.LITT. (Anthropology).
MAHANTA, P. C., M.SC., PH.D. (Physics).
RAO, V. V., M.A., PH.D. (Political Science).
THOMAS, P. C., M.A., PH.D. (Economics).

The university maintains 1 constituent college and 46 affiliated colleges.

GORAKHPUR UNIVERSITY

GORAKHPUR, U.P.

Telephone 201

Founded 1957: Teaching and Affiliating

Chancellor: H.E. THE GOVERNOR OF UTTAR PRADESH, BISHWA NATH DAS.
Vice-Chancellor: A. C. CHATTERJI, DR.SC.(ING.).
Registrar: SHRI K. J. MAJMUDAR, M.A., B.T.

Number of teachers: 206, including 10 professors.
Number of students: 3,547.

DEANS:

Faculty of Arts: M. VARNA, M.A., MED. PH.D.
Faculty of Science: Dr. D. SHARMA, M.SC., D.PHIL., PH.D. (LOND.).
Faculty of Commerce: A. B. MISRA, M.A., PH.D., D.LITT.
Faculty of Law: D. C. HINGORANI, LL.M., J.S.D.

PROFESSORS:

BAHADUR, R. P., M.A., D.PHIL. (Economics).
BHARGAWA, K. S., M.SC., D.PHIL. (Botany).
CHOUDHURY, H. S., M.SC., PH.D. (Zoology).
MEHROTRA, R. C., M.SC., PH.D., D.PHIL. (Chemistry).
MISRA, R. S., M.SC., PH.D., D.SC. (Mathematics).
PANDEY, G. C., M.A., D.PHIL. (Ancient History, Culture and Archaeology).
SHARMA, D., M.SC., D.PHIL. (Physics).
SINGH, H. L., M.A., PH.D. (Medieval and Modern History).
UPADHAYA, V. P., M.A., B.L., D.LITT. (Sanskrit).
VERMA, M., M.A., M.ED., PH.D. (Education).

The university maintains 27 affiliated colleges.

GUJARAT UNIVERSITY

NAVRANGPURA, AHMEDABAD 9, GUJARAT STATE

Telephone: 7198, 7488

Founded 1950: Teaching and Affiliating

Chancellor: Shri MEHDI NAWAG JUNG, Governor of Gujarat.
Vice-Chancellor: Shri L. R. DESAI, B.A., B.T., T.D.
Registrar: Shri K. C. PARIKH, M.A., LL.B.
Librarian: P. F. PATEL, M.A., DIP.LIB.SC.

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The library contains 90,000 volumes.
Number of students in affiliated colleges: 37,077.

DEANS:

Faculty of Agriculture: M. K. DESAI.
Faculty of Arts: D. R. MANKAD.
Faculty of Avurvedic Medicine: Prin. V. VAIDYE.
Faculty of Commerce: Prin. A. R. DESAI.
Faculty of Law: Prin. C. D. VYAS.
Faculty of Medicine: K. T. B. PATEL.
Faculty of Science: Prin. J. B. SARDIL.
Faculty of Technology: G. S. DESAI.

AFFILIATED COLLEGES:

Arts Colleges:

Arts College: Sankheda; f. 1962.
Darbar Gopaldas Mahavidyalya: Aliabada; f. 1953.
Gandhidham Arts College: Adipur; f. 1962.
Harivallabhdas Kalidas Arts College: Ahmedabad; f. 1955.
Kalol Municipal Arts College: Kalol; f. 1961.
Lalbhai Dalpatbhai Arts College: Ahmedabad 9; f. 1937.
Maganlal Thakordas Balmukunddas Arts College: Surat; f. 1918.
National College: Sardarnagar; f. 1962.
Sangeet Nrutya Natya Mahavidyalya: Rajkot; f. 1961.
Shri Maharaji Rajendrasinhji Arts College: Rajpipla; f. 1962.
Sardar Vallabhbhai Arts College: Ahmedabad; f. 1960.
Shri Sharda Peeth Arts College: Dwarka; f. 1960.
Shri Rajni Parekh Arts College: Cambay; f. 1960.

Science Colleges:

Mafatlal Gagalbhai Science Institute: Ahmedabad; f. 1946.
Sarvajanik College of Science: Surat; f. 1918.
Smt. Bhikhuben Chandulal Jalundhwala Science College: Cambay; f. 1961.

Commerce Colleges:

Commerce College: Morvi; f. 1962.
Hargovinddas Lakmichand College of Commerce: Ahmedabad; f. 1936.
Mangaldas Heshingbhai College of Commerce: Bhavnagar; f. 1949.
Sardar Vallabhbhai Commerce College: Ahmedabad; f. 1960.
Sheth Haridas Acharatlal College of Commerce: Ahmedabad; f. 1956.
Shri I. V. Patel College of Commerce: Nadiad; f. 1960.
Shri Popatlal Dhanjibhai Malavija College of Commerce: Rajkot; f. 1957.
Sir Kikabhai Premchand Commerce College: Surat; f. 1946.

Law Colleges:

A. M. Parekh Law College: Rajkot; f. 1955.
City Law College: Ahmedabad; f. 1958.
M. Sankalchand Bhagat and C. Sankalchand Law College: Nadiad; f. 1859.
Motilal Nehru Law College: Ahmedabad; f. 1961.
New Law College: Ahmedabad; f. 1961.
Sarvajanik Law College: Surat; f. 1935.
Sheth H.J. Law College: Bhavnagar; f. 1962.

Arts and Science Colleges:

Arts and Science College: Dabhoi; f. 1958.
Bahauddin College: Junagadh; f. 1901.
Balabhai Damodardas College: Ahmedabad; f. 1956.
Bhavan's College: Dakor; f. 1962.
Dharmendrasinhji College and Kotak Institute of Science: Rajkot; f. 1937.
Doshi Kalidas Virji Arts and Science College: Jamnagar; f. 1956.
Gujarat College: Ahmedabad; f. 1879.
Jethabhai Jhaverbhai College of Science and C. B. Patel Arts Institute: Nadiad; f. 1947.
Kamani Science College and Prataprai Arts College: Amreli; f. 1961.
Lallubhai Kakamchand Science and Sankalchand Damodardas Arts Intermediate College: Mansa; f. 1960.
Maneklal Nanchand College: Visnagar; f. 1946.
Meghji Pethraj Shah Arts and Science College: Surendranagar; f. 1956.
Parekh Brothers Science College and Shah Neshavlal Sombhai Arts College: Kapadwanj; f. 1961.
Patan Arts and Science College: Patan; f. 1959.
Petlad College: Petlad; f. 1946.
St. Xavier's College: Ahmedabad; f. 1955.
Samaldas College and Prabhashanker Pattani Institute of Science: Bhavnagar; f. 1885.
Sarabji Barjorji Garda College and B. P. Baria Science Institute: Navsari; f. 1945.
Shri Javendrapuri Arts and Science College: Broach; f. 1955.
Shri Maharaja Mahendrasinhji Science College and Shri Umiyashanker N. Mehta Arts College: Morvi; f. 1960.
Shri Nootan Kelavani Mandal Arts and Science College: Bulsar; f. 1957.
Shri Ramji Ravji Lalan College: Bhuj; f. 1953.
Shri Swaminarayan Arts and Science College: Ahmedabad; f. 1956.
Shri Umedram Panchal Arts College and Sarvodaya Science College: Pilvai; f. 1960.
Shri Vithalbhai Shivabhai Patel College of Arts and Science: Bilimora; f. 1961.
Sheth Hiralal Prabhuram Arts and Shrimati Shantaben Motilal Panchal Science Intermediate College: Talod; f. 1960.
Sheth Purushottamdas Thakurdas Arts and Science College: Godhra; f. 1960.
Sir Purushottamdas Thakurdas Science College: Morvi; f. 1960.

Education Colleges:

Acharatlal Girdharlal Teachers' College: Ahmedabad; f. 1952.
Ramba Graduate Teachers' College: Porbandar; f. 1955.
Sarvajanik College of Education: Surat; f. 1961.
Shri P. D. Malaviya Graduate Teachers' College: Rajkot; f. 1962.

Arts and Commerce Colleges:

City Arts and Commerce College: Ahmedabad; f. 1960.
Navyug Arts and Commerce College: Porbandar; f. 1959.
Saifee Jubilee Arts and Commerce College: Sidhpur; f. 1961.
Shri Somnath College: Veraval; f. 1960.
Upleta Municipal Arts and Commerce College: Upleta; f. 1961.

Arts and Law College:

Sir Lallubhai Asharam Shah Law College: Ahmedabad; f. 1927.

Arts and Education College:

Prakash Arts College: Ahmedabad; f. 1957.

Commerce and Law College:

Shri M. P. Shah Municipal College of Commerce and Law: f. 1961.

Engineering Colleges:

Lalbhai Dalpatbhai College of Engineering: Ahmedabad 9; f. 1948.
Lukhdhirji Engineering College: Morvi; f. 1951.
Sardar Vallabhbhai Regional College of Engineering and Technology: Surat; f. 1961.

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Medical Colleges:

Behramji Jijibhai Medical College: Ahmedabad; f. 1946.
Lallubhai Motilal College of Pharmacy: Ahmedabad; f. 1947.
Meghji Pethraj Shah Medical College: Jamnagar; f. 1955.

Ayurveda Colleges:

Gulabkunverba Ayurveda Mahavidyalaya: Jamnagar; f. 1956.
Shri O. H. Nazar Ayurveda Mahavidyalaya: Surat; f. 1958.

Agricultural College:

Agriculture College: Junagadh; f. 1960.

RECOGNISED INSTITUTIONS:

Ahmedabad Textile Industries Research Association: Ahmedabad; f. 1953.
Bakubhai Mansukhbhai Institute of Psychology and Child Development: Ahmedabad; f. 1955.
Chunilal Gandhi Vidyabhavan: Surat; f. 1961.
Physical Research Laboratory: Ahmedabad; f. 1948.
Shri Dwardadhish Sanskrit Academy and Indological Research Institute: Dwarka; f. 1961.
Shri Kanaiyalal Motilal School of Post-graduate Medicine and Research: Ahmedabad; f. 1931.
Sheth Bholabhai Jesingbhai Institute of Learning and Research: Ahmedabad; f. 1939.

JABALPUR UNIVERSITY

JABALPUR, M.P.

Telephone: 712-3-5

Founded 1957; Teaching and Affiliating

Pro-Chancellor: Dr. S. D. SHARMA, M.A., LL.M., PH.D., Bar.-at-Law.
Vice-Chancellor: Lt.-Col. PANDIT K. L. DUBEY, B.A., LL.B., M.L.A.
Rector: Shri U. MISRA, M.A., LL.B.
Registrar: Shri K. R. PANDYA, M.A.

Number of students: 9,525.

DEANS:

Faculty of Arts: Dr. H. N. SINHA, M.A., PH.D.
Faculty of Science: Prof. U. MUKERJEE, M.SC.
Faculty of Law: Shri Justice T. C. SHRIVASTAVA, M.A., LL.B.
Faculty of Education: Dr. A. MISRA, M.A., B.SC., LL.B., B.T., D.LITT.
Faculty of Engineering: A. LAKSHAMANASWAMY.
Faculty of Medicine: Dr. J. C. SACHDEV, M.B.B.S., M.SC., PH.D.
Faculty of Agriculture: Prof. R. L. GUPTA, B.AG., PH.D.
Faculty of Veterinary Science: Prof. M. Y. MANGRULKAR, M.SC., M.R.C.V.S., D.T.V.M.
Faculty of Home Science: Shrimati K. MEHTA, M.A., B.T.
Faculty of Commerce: Shri B. S. AUDHOLIA, M.A.(ECON.), M.A. (Com.).

PROFESSORS:

BHARGAVA, R. P., M.B.B.S., M.D. (Bacteriology).
BHONSLE, SHRIMATI I. N., M.B.B.S., M.D., F.C.P. & S. (Obstetrics and Gynæcology).
CHAKRAVARTI, S. P., M.SC.(ENG.).(LOND.), D.I.C.(LOND.), A.M.I.E.E.(LOND.), F.A.SC., M.I.E. (Tele-Communication Engineering).
GOPAL RAO, Y., B.SC., M.B.B.S., L.O., D.O. (Anatomy).
GOSWAMI, S. L., L.C.P.S., M.B.B.S., M.D. (Pharmacology and Therapeutics).
GUPTA, R. L., B.AG., PH.D., A.I.A., R.I., F.R.E.S., F.E.S.I. (Entomology).
KOSHAL, K. D., M.B.B.S., F.R.C.S. (Surgery).
LAKSHMANSWAMY, A., B.T., C.E.(CIVIL) (Civil Engineering).
MANGRULKAR, M. Y., M.SC., M.R.C.V.S., D.T.V.M.(EDIN.) (Veterinary Science).
MISRA, A., M.A., B.SC., LL.B., B.T., D.LITT. (Education).
SARWATE, V. V., M.SC., D.I.I.SC., M.S.(ENG.) (Tele-Communication Engineering).
WAHI, P. N., M.B.B.S., M.D. (Pathology and Bacteriology).

There are 17 affiliated or attached Colleges.

JADAVPUR UNIVERSITY

CALCUTTA 32

Telephone 46,4771/6

Founded 1955: Residential and Teaching

President: SHRIMATI PADMAJA NAIDU.
Rector: Dr. Ing. T. SEN, M.I.E.
Registrar: P. C. V. MALLIK, M.A.(CANTAB.).
Chief Librarian: A. K. MUKHERJI, M.A., DIP.LIB.

Library: 133,340 vols.
Number of teachers: 330.
Number of students: 3,500.

DEANS:

Faculty of Engineering: H. C. GUHA, B.SC.(EDIN.), M.I.E.E. (LOND), M.I.E.(IND.)
Faculty of Science: Dr. S. N. MUKHERJEE, D.SC. (Cal.).
Faculty of Arts: Dr. P. C. CHAKRAVARTI, PH.D. (Lond.).

HEADS OF DEPARTMENTS:

Mechanical Engineering: Prof. G. C. SEN, M.S., A.M.M.E., A.M.I.E.
Chemical Engineering: (Vacant).
Civil Engineering: K. RAY, B.SC. (Cal.), B.SC.ENG. (Lond.), M.I.STRUCT.E., A.M.I.C.E. (Lond.), M.I.E. (Ind.).
Electrical Engineering: H. C. GUHA, B.SC. (Edin.), M.I.E.E. (Lond.), M.I.E. (Ind.).
Tele-Communication Engineering: Dr. J. S. CHATTERJEE, M.SC. (Cal.), D.PHIL., DIP.M.C.
English: Dr. S. C. SENGUPTA, PH.D. (Cal.).
Bengali: G. C. BASU, M.A. (Dacca).
History: Dr. P. C. GUPTA, PH.D. (Lond.).
International Relations: Dr. P. C. CHAKRABARTI, PH.D. (Lond.).
Comparative Literature: B. BOSE, M.A. (Dacca).
Philosophy: (Vacant).
Sanskrit: Dr. R. R. MUKHERJEE, M.A., D.PHIL.
Economics: P. CHAKRABARTI, M.A. (Cal.).
Mathematics: (Vacant).
Physics: Dr. S. D. CHATTERJEE, D.SC. (Cal.), F.N.I.
Inorganic Chemistry: Dr. A. K. MAJUMDAR, D.SC. (Cal.).
Organic Chemistry: Dr. B. K. BHATTACHARYYA, D.SC. (Cal.).
Physical Chemistry: Dr. S. N. MUKHERJEE, D.SC. (Cal.).
Geological Sciences: Dr. S. DEB, Dr.ès-Sc. (Paris), F.N.I.

CONSTITUENT COLLEGES:

University College of Engineering and Technology: Jadavpur; f. 1906.
Principal: Dr. TRIGUNA SEN, DR.ING., A.M.M.E., M.I.MECH.E., M.I.E.

University College of Arts: Jadavpur; f. 1956.
Principal: A. K. DATTA, M.A., Bar.-at-Law.

University College of Science: Jadavpur; f. 1956.
Principal: Dr. A. K. MAJUMDAR, D.SC.

UNIVERSITY OF JAMMU AND KASHMIR

SRINAGAR, KASHMIR

Telephone: 230

Founded 1948: Affiliating

Chancellor: YUVRAJ KARAN SINGH JI, M.A.
Pro-Chancellor: The Prime Minister of Jammu and Kashmir BAKSHI GHULAM MOHAMMAD.

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Vice-Chancellor: (Vacant).
Registrar: GHULAM MOHAMMAD, M.A.

Number of teachers: 275, including affiliated colleges.
Number of students: 7,727.

DEANS:

Faculty of Arts: S. L. PANDIT.
Faculty of Science: GHANASHYAM, M.SC.
Faculty of Oriental Learning: G. N. MATTU, M.A., M.O.I.
Faculty of Education: AGHA ASHRAF ALI.
Faculty of Commerce: G. P. SINGH.
Faculty of Social Science: I. N. BHAN, M.A., PH.D.
Faculty of Medicine: G. V. S. MURTHI.

AFFILIATED COLLEGES:

Amar Singh College: Srinagar; f. 1942.
Principal: M. AHMAD, M.A.

Gandhi Memorial College: Srinagar; f. 1943.
Principal: G. N. MATTO, M.A.

Govt. College for Women: Jammu; f. 1944.
Principal: Miss MAHMUDA AHMAD ALI.

Govt. Gandhi Memorial Arts College: Jammu; f. 1954.
Principal: PANNA LAL, M.A.

Govt. Gandhi Memorial Science College: Jammu; f. 1907.
Principal: TIRATH RAM, M.SC.

Govt. Intermediate College: Anantnag, Kashmir; f. 1950.
Principal: S. N. THUSSOO, M.A.

Govt. Intermediate College: Bhadarwah; f. 1955.
Principal: H. SHAH, M.A.

Govt. Intermediate College: Poonch; f. 1955.
Principal: SAIF-UD-DIN.

Govt. Intermediate College: Sopore, Kashmir; f. 1950.
Principal: ABDUS SALAM DHAR, M.A.

Govt. Oriental College: Srinagar; f. 1950.
Principal: G. N. SHAIQ, M.A., B.T.

Govt. Women's College: Srinagar; f. 1950.
Principal: Miss S. W. SHAW, M.A.

Hindu Kanya Mahavidyalaya: Srinagar; f. 1950.
Principal: MADASUDAN SHASTRI.

Jamia Madinat-ul-Alum: Hazratbal, Kashmir; f. 1948.
Principal: M. A. KABIR.

Mahila Mahavidyalaya: Srinagar; f. 1942.
Principal: Mrs. KAMLA PARIMOO.

Nasrat-ul-Islam Oriental College: Srinagar; f. 1918.
Principal: MAULI M. Q. BUKHARI.

Rupa Devi Shardha Peeth: Srinagar; f. 1953.
Principal: T. N. VAISHNAVI, M.A.

Sanatan Dharam Kanya Vidyalaya: Jammu; f. 1936.
Principal: T. DASS.

Shri Rughnath Sanskrit Mahavidyalaya: Jammu; f. 1884.
Principal: P. R. SHASTRI.

Sri Pratap College: Srinagar; f. 1905.
Principal: NURUP-DIN, M.A.

Sri Pratap Memorial College of Commerce: Jammu; f. 1955.
Principal: G. P. SINGH.

St. Joseph's College: Baramulla, Kashmir; f. 1954.
Principal: Rev. J. MCMAHON.

Teachers' Training College: Jammu; f. 1954.
Principal: GHANASHYAM, M.SC.

Teachers' Training College: Srinagar; f. 1940.
Principal: AGHA ASHRAF, M.A.

Vidya Path Mahila Oriental College: Jammu.
Principal: S. SETH.

Vishiva Bharti Nanayh Mahavidyalaya: Nanaivdi, Srinagar.
Principal: T. C. RAINA.

KARNATAK UNIVERSITY

DHARWAR, MYSORE STATE

Telephone Dharwar 94

Telegraphic Address: Unikarnatak

Founded 1949, incorporated 1950: Teaching and Affiliating

Chancellor: H.E. The GOVERNOR of MYSORE.
Vice-Chancellor: D. C. PAVATE, M.A.(CANTAB.).
Registrar: S. S. WODEYAR, M.A., LL.B.
Librarian: K. S. DESHPANDE, M.A., DIP.LIB.

The library contains 60,400 volumes.
Number of students: 1,000 (post-graduate).
Number of students in affiliated colleges: 13,815.

DEANS:

Faculty of Arts: B. S. GANACHARI, M.A.
Faculty of Social Sciences: B. M. RAMALINGAYYA, M.A., B.T.
Faculty of Science: V. V. JATTI, M.SC., F.C.S., F.I.C.S.
Faculty of Law: V. A. MUJUMDAR, B.A., LL.B.
Faculty of Engineering: Prin. P. VENKATARAMAN BHAT, B.E.
Faculty of Agriculture: Dr. S. W. MENSINKAI, M.SC., PH.D.
Faculty of Medicine: Dr. K. C. JACOB, B.A., M.D.

POST-GRADUATE DEPARTMENTS:

Department of Kannada: Dr. R. C. HIREMATH, M.A., PH.D.
Department of Statistics: Dr. M. V. JAMBHUNATHAN, B.SC., M.A., PH.D.
Department of Chemistry: Dr. S. SIDDAPPA, M.SC., PH.D., D.I.C.
Department of Physics: Dr. N. R. TAWDE, M.SC., PH.D.
Department of Geography: Dr. S. C. BOSE, M.A., D.PHIL.
Department of Geology: Dr. M. S. SADASHIVAIAH, M.SC., PH.D., D.I.C., F.G.S.
Department of History: Dr. P. B. DESAI, M.A., D.LITT.
Department of Politics: Prof. G. S. HALAPPA, M.A.
Department of Economics: Dr. D. M. NANJUNDAPPA, M.A., PH.D.
Department of Sociology: Dr. K. CHANDRASEKHARIAH, M.A., PH.D.
Department of Social Anthropology: Dr. K. ISWARAN, M.A., PH.D., B.LITT., M.S.S., D.LITT.
Department of Mathematics: Dr. C. N. SHRINIVAS IYENGAR, M.SC., D.SC.
Department of Sanskrit: Dr. K. KRISHNAMURTHY, M.A., B.T., PH.D.
Department of Philosophy: Prof. K. J. SHAH, B.A.
Department of Botany: Dr. M. S. CHANNAVEERAIAH, M.SC., PH.D.
Department of Zoology: Dr. K. J. JOSEPH, M.SC., PH.D.
Department of Commerce: Dr. C. C. PATTANSHETTI, M.A., PH.D.
Department of Education: Miss S. PANANDIKAR, M.A., M.LITT.(CANTAB.), T.D.(LOND.).
Department of Law: V. R. BHAT, M.A., LL.M.
School of Foreign Languages: Dr. K. J. MAHALE, M.A., PH.D.
Department of English: ARMANDO MENEZES, M.A.
The Kannada Research Institute, Dharwar: Dr. P. B. DESAI, M.A., D.LITT.

The university maintains the following teaching departments: Chemistry (f. 1953), Economics (f. 1955), Geology (f. 1953), History (f. 1955), Kannada (f. 1951), Physics (f. 1953), Statistics (f. 1951), Politics (f. 1956), Sociology (f. 1957), Social Anthropology (f. 1959), Mathematics (f.

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1958), Sanskrit (f. 1958), Philosophy (f. 1957), Botany (f. 1959), Zoology (f. 1959), English (f. 1957), Geography (f. 1961), Law (f. 1962), Education (f. 1962), Commerce (f. 1962), Foreign Languages (f. 1962).

CONSTITUENT COLLEGES:

Karnatak Arts College: Dharwar; f. 1917.
Principal: ARMANDO MENEZES, M.A.

Karnatak Science College: Dharwar; f. 1934.
Principal: G. S. PARAMASHIVAIAH, M.SC., F.P.S., M.I.R.E., M.A.A.A.S.

University Law College: Dharwar; f. 1962.
Principal: V. R. BHAT, M.A., LL.M.

University College of Education: Dharwar: f. 1962.
Principal: Miss S. PANANDIKAR, M.A., M.LITT.(CANTAB.), T.D. (LOND.).

AFFILIATED COLLEGES:

Arts and Science College: Karwar; f. 1961.
Principal: V. N. SHETGERI, M.SC.

Basaveshwar College: Bagalkot; f. 1944.
Principal: S. C. NANDIMATH, M.A., PH.D.

B.V. Boomaraddi College: Bidar; f. 1960.
Principal: B. T. SASNUR,, M.A.

B. V. Bhoomaraddi College of Engineering and Technology: Hubli; f. 1948.
Principal: A. S. MENON, B.SC.(ENG.), M.I.E.

College of Agriculture: Dharwar; f. 1947.
Principal: S. W. MENSINKAI, M.SC., PH.D., D.I.C.

College of Commerce: Bijapur; f. 1961.
Principal: P. C. PATTED, M.COM.

College of Commerce: Gulbarga; f. 1961.
Principal: G. S. MUNOLI, M.SC.

College of Engineering: Manipal; f. 1957.
Principal: P. VENKATRAMAN BHAT, B.E.

Engineering College: Gulbarga; f. 1958.
Principal: J. KRISHNA MURTHY RAO, B.E.

Government Arts and Science College: Gulbarga; f. 1932.
Principal: Dr. D. J. DAVAR, M.SC., PH.D.

Government B.Ed. College: Gulbarga; f. 1955.
Principal: B. K. SUREBANKAR, M.ED.

Institute of Pre-University Course: Gadag; f. 1957.
Superintendent: D. R. JOSHI, M.A., T.D.

J.G. College of Commerce: Hubli; f. 1947.
Principal: M. HALAYYA, M.A.

J. S. S. Law College: Dharwar; f. 1955.
Principal: N. R. KULKARNI, M.A., LL.B.

J. S. Samiti's Science and Banashankari Arts College: Dharwar; f. 1944.
Principal: R. Y. DHARWADKAR, M.A.

Jagadguru Tontadarya College: Gadag; f. 1959.
Principal: M. S. HALLUR, M.A.

Kanara College: Kumta; f. 1949.
Principal: L. S. KAMAT, M.A.

Karnatak Medical College: Hubli; f. 1957.
Principal: Dr. B. N. LINGARAJU, M.B.B.S., D.P.H., M.P.H.

Kasturba Medical College: Manipal; f. 1953.
Principal: R. P. KOPPIKAR, M.SC., F.C.P.S.

K.L.E.S.'s Arts and Science College: Nipani; f. 1961.
Principal: T. K. PATIL, M.A.

K.L. Society's Commerce College: Belgaum; f. 1954.
Principal: D. S. KURTAKOTI, M.A.

Law College: Udipi; f. 1957.
Principal: N. S. KRISHNAMURTHY, B.A., LL.B.

Laxmi Venkatesh Desai College: Raichur; f. 1954.
Principal: R. B. MAGAL, M.A.

Lingaraj College: Belgaum; f. 1933.
Principal: B. RUDRAPPA, M.A., B.T.

M.E.S.'s Arts and Science College: Sirsi (N.K.); f. 1962.
Principal: L. T. SHARMA, M.SC.

P. C. Jabin's Science College: Hubli; f. 1957.
Principal: S. S. BOMMANNAVAR, M.SC.

Raja Lakhamagouda Science Institute: Belgaum; f. 1958.
Principal: V. V. JATTI, M.SC., F.C.S., F.I.C.S.

R.L. Law College: Belgaum; f. 1939.
Principal: R. G. DEOLE, B.A., LL.B.

R.P.D. College: Belgaum; f. 1945.
Principal: B. T. BHALERAO, M.A.

Shankar College: Yadgiri; f. 1953.
Principal: B. M. RAMALINGAYYA, M.A.

Sharan Basaveshwar College: Gulbarga; f. 1958.
Principal: G. S. MUNOLI, M.SC.

Sri Kadasiddheshwar Arts College: Hubli; f. 1952.
Principal: D. S. KARKI, M.A., B.T., PH.D.

S.S.L. Law College: Gulbarga; f. 1960.
Principal: B. R. DESHPANDE, B.A., LL.B.

S.T. College: Belgaum; f. 1939.
Principal: C. S. BENNUR, B.A., M.ED.

Vijay College: Bijapur; f. 1945.
Principal: B. S. GANACHARI, M.A.

INDIRA KALA SANGEET VISHWAVIDYALAYA

KHAIRAGARH, MADHYA PRADESH

Telephone 12

Founded 1956

Chancellor: Shri H. V. PATASKAR.
Vice-Chancellor: Shri P. N. CHINCHORE, M.A., M.MUS.
Registrar: Shri B. B. BISWAS, B.A., LL.B.
Dean: Shri A. K. SEN, M.A., B.MUS.
Librarian: Shri C. P. DESAI.

Number of teachers: 10.
Number of students: 150.
Publication: *Bharat Bhashya.*

UNIVERSITY OF KERALA

TRIVANDRUM, KERALA STATE

Telephone: 3112

Established 1937: Teaching and Affiliating.

Chancellor: THE GOVERNOR OF KERALA.
Vice-Chancellor: K. C. K. E. RAJA, D.T.M.& H.
Registrar: A. M. N. CHAKIAR, B.A.

Number of Heads of Departments: 20.
Number of students: 44,511.

DEANS:

Faculty of Agriculture: L. S. S. KUMAR, D.I.C., M.SC.
Faculty of Arts: P. C. JOSEPH, M.A.
Faculty of Education: Prof. N. P. PILLAI, PH.D.
Faculty of Engineering: K. C. CHACKO, M.A., B.E.
Faculty of Law: V. N. SUBRAMONIA IYER, M.A., M.L.
Faculty of Oriental Studies: A. G. KRISHNA WARRIER, M.A., PH.D.

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Faculty of Science: Prof. A. ABRAHAM, M.A., M.SC., PH.D. (Bot.).
Faculty of Technology: K. C. CHACKO, M.A., M.S.
Faculty of Veterinary Science: M. N. MENON, B.V.SC., F.R.C.V.S.
Faculty of Commerce: V. R. PILLAI, M.A., M.SC.
Faculty of Medicine: C. O. KARUNAKARAN, M.B., B.S., D.T.M. & H., D.PH.
Faculty of Ayurveda: K. K. NAMBIAR.
Faculty of Fine Arts: M. K. GOVINDA PILLAI, B.A., B.L.

HEADS OF DEPARTMENTS:

Applied Chemistry: Prof. P. P. PILLAI, D.SC., F.R.I.C., A.I.I.SC.
Botany: Prof. A. ABRAHAM, M.A., M.SC., PH.D.
Economics: Prof. V. R. PILLAI, M.A., M.SC.
Education: Prof. N. P. PILLAI, PH.D.(BIRM.), M.A., L.T.
Islamic History and Culture: (Vacant).
Marine Biology and Fisheries: Prof. C. C. JOHN, M.A., D.SC., D.I.C.
Politics: V. K. SUKUMARAN NAIR, M.A., PH.D.
Psychology: E. I. GEORGE, M.A., PH.D.
Statistics: Prof. ALEYAMMA GEORGE, M.SC., D.SC.
Tamil: Prof. V. I. SUSUBRAMONIAM, M.A.

UNIVERSITY COLLEGES:

College of Engineering: Trivandrum; f. 1939; number of teachers 30.
Principal: M. V. KESAVA RAO, B.SC., PH.D.

Government Polytechnic: Kalamassery; f. 1951; number of teachers 23.
Principal: M. VARADA RAO, B.SC.

H.H. The Maharajah's College for Women: Trivandrum; f. 1864; number of teachers 62.
Principal: B. ANANDAVALLI AMMA, M.A.

H.H. The Maharajah's Law College: Ernakulam; f. 1875; number of teachers 4.
Principal: V. N. SUBRAMONIA IYER, M.A., M.L.

H.H. The Maharajah's Sanskrit College: Trivandrum; f. 1889; number of teachers 18.
Principal: N. GOPALA PILLAI, M.A.

H.H. The Maharajah's Training College: Trivandrum; f. 1911; number of teachers 13.
Principal: K. M. MANI, M.A., B.T.

H.H. The Maharajah's University College: Trivandrum; f. 1869; number of teachers 94.
Principal: C. S. VENKATESWARAN, M.A., D.SC., F.I.P.

Institute of Textile Technology: Trivandrum; f. 1938; number of teachers 13.
Principal: M. P. GOPALAN NAIR, T.T.W.F.M., SPIN.TECH.

Law College: Trivandrum; f. 1954; number of teachers 4.
Principal: K. NARAYANAN, B.A., B.L.

Maharajah's Technological Institute: Tuchur; f. 1946; number of teachers 30.
Principal: K. C. CHACKO, M.A., B.E.

University Inter. College: Trivandrum; f. 1948.

AFFILIATED COLLEGES:

Assumption College for Women: Changanacherri; f. 1951.

Ayurveda College: Trivandrum; f. 1889; number of teachers 17.
Principal: V. K. GIRIJAVALLABHA MENON.

Bishop Choolaparambil Memorial College for Women: Kottayam; f. 1955.

Catholicate College: Pathanamthitta; f. 1952.

C.M.S. College: Kottayam; f. 1892; number of teachers 41.
Principal: P. C. JOSEPH, M.A.

Fatima Mata National College: Quilon; f. 1951; number of teachers 71.
Principal: Rev. Fr. M. KUTTIATH, M.A.

Government College: Chittur; f. 1947; number of teachers 44.
Principal: K. GOPALA PANNIKAR, B.A.

Government Training College: Trichur; f. 1951; number of teachers 9.
Principal: T. PAUL VARGHESE, B.A., M.ED.

Maharajah's College: Ernakulam; f. 1875; number of teachers 99.
Principal: P. NARAYANA MENON, M.A.

Mahatma Gandhi College: Trivandrum; f. 1948; number of teachers 61.
Principal: P. K. KRISHNA PILLAI, M.A.

Mar Athanasius College: Kothamangalam; f. 1955.

Mar Ivanios College: Trivandrum; f. 1949; number of teachers 57.
Principal: Rev. Fr. N. A. THOMAS, M.A., L.T., PH.D., B.D.

Mar Thomas College: Tiruvalla; f. 1952.

Medical College: Trivandrum; f. 1951; number of teachers 38.
Principal: T. K. RAMAN, M.D., D.T.M.

Mount Carmel Training College: Kottayam; f. 1953; number of teachers 6.
Principal: Sister MARY FIDELIS, B.A., L.T.

Nirmala College: Muvattupuzha; f. 1953.

N.S.S. College: Pandalam; f. 1950; number of teachers 36.
Principal: K. R. NARAYANA IYER, M.SC.

N.S.S. College for Women: Trivandrum; f. 1951.

N.S.S. Hindu College: Changanacherry; f. 1947; number of teachers 46.
Principal: G. THOMAS, M.A.

N.S.S. Training College: Changanacherry; f. 1954; number of teachers 4.
Principal: M. GOPALAN NAIR, M.A., L.T.

Sanatana Dharma College: Alleppey; f. 1946; number of teachers 56.
Principal: V. RAMANATHAN, M.A., L.T.

Scott Christian College: Nagercoil; f. 1893; number of teachers 41.
Principal: T. Y. HARRIS, M.A., L.T.

Sree Narayan College: Quilon; f. 1948; number of teachers 67.
Principal: A. RAMA IYER, M.A.

Sree Narayan College for Women: Quilon; f. 1951.

Sree Sankara College: Kaladi; f. 1954.

St. Berchman's College: Changanacherry; f. 1922; number of teachers 77.
Principal: Rev. Fr. P. C. MATHEW, M.A., L.T.

St. Joseph's College for Girls: Alleppey; f. 1954.

St. Thomas' College: Kozhencherry; f. 1953.

St. Thomas College: Palai; f. 1950; number of teachers 54.
Principal: Rev. Fr. J. KUREETHADAM, M.A.

Union Christian College: Alwaye; f. 1921; number of teachers 41.
Principal: T. B. NINAN, M.A.

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KURUKSHETRA UNIVERSITY

KURUKSHETRA, PUNJAB

Telephone 26

Founded 1956: Residential and Teaching

Chancellor: Shri PATTOM A. THANU PILLAI.
Vice-Chancellor: Shri SURAJ BHAN, M.A., M.L.C.
Principal, University College: Shri K. L. MALHOTRA, M.A.
Registrar: Shri RAM CHANDRA KHANNA, M.A.
Librarian: Shri K. S. DALAL, M.A., M.LIB.

Number of teachers: 70.
Number of students: 819.

DEANS:

Faculty of Science: Dr. S. M. MUKHERJI, M.SC., PH.D., D.SC., F.N.I.
Faculty of Arts: Dr. B. K. KALIA, M.A., PH.D.
Faculty of Social Sciences: Dr. P. S. MUHAR, M.A., PH.D.
Faculty of Education: Dr. V. B. TANEJA, M.A., M.ED., D.ED.
Faculty of Indic Studies: Dr. D. N. SHASTRI, M.A., D.LITT.

PROFESSORS:

CHOPRA, S. D., M.A., PH.D. (Mathematics).
KALIA, B. K., M.A., PH.D. (English).
MUHAR, P. S., M.A., PH.D. (Political Science).
MUKHERJI, S. M., M.SC., PH.D., D.SC., F.N.I. (Chemistry).
SHARMA, V. M., M.A., LL.B., PH.D. (Hindi).
SHASTRI, D. N., M.A., D.LITT. (Sanskrit).
VERMA, J. D., M.A., PH.D. (Economics).

UNIVERSITY OF LUCKNOW

LUCKNOW, U.P.

Telephone: 2270

Founded 1921: Residential and Teaching

Chancellor: H.E. The GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: R. SINGH, B.SC., LL.B.
Hon. Treasurer: N. C. CHATURVEDI, M.A., LL.B.
Registrar: K. D. TEWARI, M.A., LL.B.

Number of teachers: 597, including 40 professors.
Number of students: 12,928 (including Associated Colleges).

DEANS:

Faculty of Arts: Prof. A. V. RAO.
Faculty of Science: Prof. M. B. LAL.
Faculty of Medicine: M. L. GUJRAL.
Faculty of Law: Sri S. S. NIGAM, M.SC., LL.M.
Faculty of Commerce: Prof. O. P. GUPTA.

PROFESSORS:

Faculty of Arts:
CHATTERJI, N. L., M.A., PH.D., B.LITT. (History and Archæology).
DHAWAN, G. N., LL.B., PH.D. (Political Science).
GUPTA, D. D., M.A., LL.B., D.LITT. (Hindi).
KALI, PRASAD, M.A., LL.B. (Philosophy and Psychology).
MAJUMDAR, D. N., M.A., PH.D., F.R.A.I., F.N.I., P.R.S. (Anthropology).
RAO, VITTAL A., M.A., PH.D., Bar.-at-Law (English).
SINGH, BALJIT, M.A., LL.B., PH.D., D.LITT. (Economics).
SINGH, SATYA VRAT, M.A., PH.D. (Sanskrit).

Faculty of Science:
BALLABH, RAM, M.SC., PH.D. (Mathematics).
DAS GUPTA, S. N., M.SC., PH.D., D.I.C. (Botany).
KRISHWAN, P. S., M.A., M.SC., PH.D., F.R.I.C. (Chemistry).
LAL, M. B., D.SC., F.A.SC. (Zoology).
SEN, A. B., M.SC., PH.D. (Chemistry).
SHULA, S. N., M.SC., PH.D., A.R.I.C. (Chemistry).

Faculty of Law:
NIGRAM, S. S., M.SC., LL.M. (Advocate).

Faculty of Medicine:
BHATIA, B. B., M.D., M.R.C.P. (Medicine).
ENGINEER, Kumari A. D., M.D., F.R.C.S., F.R.C.O.G. (Obstetrics and Gynæcology).
CHATTERJI, C., B.SC., M.B.B.S., D.M.R. (Radiology).
CHAWLA, T. N., B.SC., B.D.S., L.D.S.R.C.S. (Dentistry).
GUJRAL, M. L., M.B.B.S., M.R.C.P. (Pharmacology).
GUPTA, SATYAPAL, M.B.B.S., F.R.C.S., D.O.M.S. (Opthalmology).
LASAD, B. G., M.B.B.S., M.D., D.PH., D.T.M. (Social Medicine and Public Health).
MANGALIK, V. S., M.D., D.C.P. (Pathology).
MISRA, R. N., M.B.B.S., M.S., D.L.O., R.C.S. (Oto-Rhino-Laryngology).
MISRA, S. C., S.S., M.D., M.B.B.S., M.R.C.P., L.R.C.P., F.R.C.S. (Surgery).
MISRA, S. S., M.D., M.R.C.P. (Clinical Medicine).
NARANI, DHARAM, M.B.B.S., M.S. (Anatomy).
SHUKLA, R. C., M.D., B.S. (Physiology).
SINGH, R. V., M.B., M.S., F.R.C.S. (Clinical Surgery).
SINHA, B., M.B.B.S., M.R.C.S., L.R.C.P., F.R.C.S., F.I.C.D. (Orthopædic Surgery).
SRIVASTARA, R. C., M.B.B.S., P.M.S. (Forensic Medicine).
TANDON, R. N., M.B.B.S., M.R.C.P., T.D.D., D.M.R.E. (Tuberculosis).
YAJNIK, B. S., M.B.B.S., D.P.H. (Social and Preventive Medicine).

Faculty of Commerce:
GUPTA, O. P., PH.D., F.S.S. (Applied Economics).
SARKAR, K. C., M.A., PH.D. (Commerce).

The university maintains thirty-two teaching departments.

CONSTITUENT COLLEGES:

Kanpur Medical College: Kanpur; f. 1955.
King George's Medical College: Lucknow; f. 1911; 4-year post-graduate medical courses have been established.
State College of Ayurveda: Lucknow; f. 1954.

ASSOCIATED COLLEGES:

D.A.V. Degree College: Lucknow; f. 1948.
Isabella Thoburn College: Lucknow; f. 1886.
Jubilee Girls' Degree College: Lucknow; f. 1955.
Kanyakubja College: Lucknow.
Kanyakubja Vocational Degree College: Lucknow; f. 1954.
Karamat Husain Muslim Girls' College: Lucknow; f. 1916.
Loreto Convent Degree College: Lucknow; f. 1958.
Lucknow Christian College: Lucknow; f. 1917.
Mahila Vidyalaya College: Lucknow; f. 1940.
Shia College: Lucknow; f. 1922.
Vidyant Degree College: Lucknow; f. 1954.

UNIVERSITY OF MADRAS

CHEPAUK, MADRAS, 5

Telephone Madras 86914

Founded 1857: Teaching and Affiliating

Chancellor: H.E. The GOVERNOR of MADRAS.
Vice-Chancellor: Lt.-Col. Sir A. LAKSH-MANASWAMI MUDALIYAR, M.D., LL.D., D.SC., D.C.L., F.R.C.O.G., F.A.C.S.
Pro-Chancellor: C. SUBRAMANIAM, B.A., B.L., M.L.A.
Registrar: R. RAVI VARMA, M.A.

Number of teachers: 180, including 31 professors.
Number of students: 59,635.

Publications: *University Calendar, University Journals, Annals of Oriental Research.*

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FACULTY PRESIDENTS:

Faculty of Arts: (Vacant).
Faculty of Science: Sri S. J. SAVARIRAYAN, M.A.
Faculty of Law: Sri A. S. P. AYYAR, M.A.
Faculty of Teaching: Sri P. DORAIKANNOO, M.A., L.T.
Faculty of Medicine: Dr. S. BALASUBRAMANIAN, M.S.
Faculty of Engineering: Shri P. RAJAGOPAL PILLAI, B.A., A.I.I.S.C., M.A.I.E.E., M.I.E.
Faculty of Veterinary Science: B. A. D'SOUZA, G.M.V.C. B.V.SC.
Faculty of Oriental Learning: (Vacant).
Faculty of Agriculture: Sri S. KRISHNAMURTHI, B.SC.(AGR.), M.SC., PH.D.
Faculty of Technology: Sri G. S. LADDHA, B.SC.(TECH.), M.S.CH.E., PH.D., A.M.I.CHEM.E.
Faculty of Commerce: Sri G. V. KRISHNA RAO, M.A., B.L. M.B.A.
Faculty of Fine Arts: (Vacant).

PROFESSORS:

BALAKRISHNA, R., M.A., PH.D. (Economics).
BHASKARAN, R., M.A. (Politics and Public Administration).
BOAZ, G. D., M.A., D.PHIL. (Psychology).
DESAI, M. G., B.A. (Architecture).
EHRENFELS, U. R., PH.D. (Anthropology).
GNANAMUTHU, C. P., M.A., D.SC., F.Z.S. (Zoology).
JAGAPATHAY, NAIDU, P. R., M.SC., D.PHIL. (Geology and Geophysics).
JANARDHAN, P. B., M.A., PH.D., A.R.I.C. (Inorganic and Analytical Chemistry).
JAYARAMAN, V. S., B.E., A.M.I.E., A.M.I.I., CHEM.E. (Engineering).
KRISHNA RAO, D. B., M.A., M.SC., PH.D. (Library Science).
KRISHNA RAO, G. V., M.A., B.L., M.B.A. (Business Management).
KRISHNAMURTHI, S., B.SC., B.SC.(TECH.), PH.D. (Textile Technology).
KRISHNAN, V. S., M.A., D.SC., B.T. (Mathematics).
KURIYAN, GEORGE, B.A., B.SC., PH.D. (Geography).
LADDHA, G. S., B.SC.(TECH.), M.S.CH.E., PH.D. (Chemical Engineering).
MADHAVAN, NAIR, A. P., M.A. (Chemical Technology).
MAHADEVAN, T. M. P., M.A., PH.D. (Indian Philosophy.)
MAHALINGAM, T. V., M.A., D.LITT. (Archæology).
MARIAPPA, BHAT, M., M.A. (Kannada).
PILLAI, K. K., M.A., D.PHIL., D.LITT. (Indian History).
RAGHAVAN, V., M.A., PH.D. (Sanskrit).
RAJALAKSHMAN, D. V., M.A., M.SC., PH.D., F.S.S. (Statistics).
RAMACHANDRAN, G. N., M.SC., PH.D., A.I.I.SC., F.A.SC. (Physics).
RAMAKRISHNAN, A., B.SC., PH.D. (Theoretical Physics).
SADASIVAN, T. S., PH.D., D.SC., F.A.SC., F.B.S., F.N.I. (Botany).
SHARMUGASUNDARAM, E. R. B., M.A., PH.D. (Biochemistry).
SWAMINATHAN, S., B.SC., PH.D., A.R.I.C. (Organic Chemistry).
VARADARAYAN, M., M.O.L., PH.D. (Tamil).

Madurai Post-Graduate Centre:

BRIGHT SINGH, D., B.A., PH.D. (Economics).
DORAI RANGASWAMI, M. A., M.A., M.O.L., PH.D. (Tamil).
KRISHNAN, G., M.A., M.SC., PH.D., (Zoology).
SANTHAPPA, M., B.A., PH.D. (Chemistry).
VENKATARAMEN, M., M.A., PH.D. (Mathematics).

The university maintains thirty-six teaching and research departments.

CONSTITUENT COLLEGES:

Agurchand Manmull Jain College: Meenambakkam, Madras 27; f. 1952.
College of Engineering: Guindy, Saidapet, Madras; f. 1784.
Ethiraj College for Women: Egmore, Madras; f. 1948.
Government Arts College: Mount Road, Madras; f. 1918.
Lady Willingdon Training College: Triplicane, Madras; f. 1923.
Loyola College: Nungambakam, Madras; f. 1928.
Madras Law College: George Town, Madras; f. 1925.
Madras Medical College: Park Town, Madras; f. 1935.
Madras Veterinary College: Vepery, Madras; f. 1903.
Meston Training College: Royapettah, Madras; f. 1937.
New College: Royapettah, Madras; f. 1951.
Pachaiyappa's College: Kilpauk, Madras; f. 1842.
Presidency College: Chepauk, Madras; f. 1840.
Queen Mary's College: Mylapore, Madras; f. 1914.
S.I.E.T. Women's College: Madras; f. 1955.
Sir Theagaraya College: Washermanpet, Madras; f. 1950.
Stanley Medical College: George Town, Madras; f. 1938.
St. Christopher's Training College: Vepery, Madras; f. 1923.
Stella Maris College: Cathedral, Madras; f. 1947.
Teachers' College: Saidapet, Madras; f. 1856.
Vivekananda College: Mylapore, Madras; f. 1946.
Women's Christian College: Madras; f. 1915.

There are ninety-two other colleges affiliated to the university.

MARATHWADA UNIVERSITY

AURANGABAD (DECCAN), MAHARASHTRA STATE

Telephone: 190

Founded 1958; Teaching and Affiliating

Chancellor: THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: Shri S. R. DONGERKERY, B.A., LL.B.
Registrar: Shri M. B. CHITNIS, M.A.
Librarian: Shri N. A. GORE, M.A., DIP.LIB.

Number of teachers: 451.
Number of students: 8,377.

Publs. *Annual Report, University Journal, University Handbook.*

DEANS:

Faculty of Arts: Prof. W. L. KULKARNI.
Faculty of Science: Prin. M. V. SHINGRE.
Faculty of Law: L. S. KULKARNI.
Faculty of Medicine: Prin. G. K. KARANDIKAR.
Faculty of Commerce: Prof. S. K. MOHGAONKAR.
Faculty of Agriculture: Dr. S. S. SOLOMON.
Faculty of Education: N. T. VARTAK, M.SC., M.ED., B.T.
Faculty of Engineering: G. P. NAGARKAR, B.E.

FULL PROFESSORS:

BOARKAR, V. V., M.A., PH.D. (Economics).
DESHPANDE, K. B., M.SC., PH.D. (Botany).
KHANOLKAR, D. D., M.SC., PH.D. (Chemistry).
KULKARNI, W. L., M.A., B.T. (Marathi Language and Literature).
MEHDI ALI, S., M.SC., PH.D. (Zoology).

AFFILIATED COLLEGES:

There are 21 affiliated colleges, including a medical college, a law college, 2 teachers' training colleges, an agricultural college and an engineering college.

UNIVERSITY OF MYSORE

P.O.B. 14, MYSORE

Telephone 677

Founded 1916: Teaching and Affiliating.

Chancellor: H.H. Maharajah Sri JAYACHAMARAJA WADIYAR BAHADUR, G.C.S.I., G.B.E., MAHARAJAH OF MYSORE.
Vice-Chancellor: Sardar K. M. PANIKKAR.
Registrar: Dr. K. S. SIDDALINGAIAH, M.SC., PH.D., D.I.C., A.M.I.CH.E.
Librarian: Sri H. H. ANNIAH GOWDA, M.A.

Number of teachers: 674.
Number of students: 36,261.

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DEANS:

Faculty of Arts: (Vacant).
Faculty of Science: Dr. K. VENKATACHALA IYENGAR, D.SC.
Faculty of Engineering: B. R. NARAYANA IYENGAR, B.SC., B.E.S.M.
Faculty of Medicine: Dr. M. BASAVARAJ URS, B.SC., M.B.B.S., F.R.F.P.S.
Faculty of Education: Sri A. C. DEVEGOWDA, M.A.
Faculty of Law: Sri K. NARAHARI RAO, B.A., LL.B.
Faculty of Commerce: Sri B. V. BANYMAIAH, B.A.
Faculty of Agriculture: (Vacant).
Faculty of Textiles: Sri SRINAGA BHUSHANA, B.SC.

PROFESSORS;

ALIKHAN, KHIZER (Urdu, Persian, Arabic).
GHORI, GOURE KHAN, M.A., PH.D. (Geography).
CHANNABASAVIAH, Sri K., M.I.E. (Electrical Engineering).
HABEEBUNNISA, BEGUM, M.A., PH.D. (Urdu).
HUCHAPPA, G. T., M.A., PH.D. (Economics).
NARASIMHIAH, Sri A. B., B.E.M.SC. (Civil Engineering).
NARASIMHIAH, Sri C. A., M.A. (English).
NARAYAN, G., M.SC., PH.D. (Chemistry).
NARAYAN, K. N., M.SC., PH.D. (Botany).
NARAYANA IYENGAR, Sri B. R., B.SC. (Mechanical Engineering).
RAMACHANDRA RAO, Sri S., M.A. (Sanskrit).
SEKHAR, S. CHANDRA, M.SC., PH.D. (Physics).
SETTY, M. R. RAJASEKHARA, M.SC., PH.D. (Zoology).
THOTAPPA, K. B. Y., M.A. PH.D. (Political Science).
VENKATACHALA IYENGAR, K., D.SC. (Mathematics).
VISWANTHIAH, M. N., M.SC., PH.D. (Geology).

AFFILIATED COLLEGES:

Acharya Pathasala College of Arts and Commerce: Bangalore; f. 1956.
Agricultural College: Bangalore; f. 1947.
All India Institute of Mental Health: Bangalore; f. 1954.
Bangalore Medical College: Bangalore; f. 1955.
B.D.T. College of Engineering: Davengere; f. 1952.
B.M. Setty Intermediate College: Konanur; f. 1954.
B. M. Sreenivasiah College of Engineering: Bangalore; f. 1946.
College of Arts and Commerce: Malleswaram, Bangalore-3; f. 1956.
D. Banumiah's College of Commerce: Mysore; f. 1949.
Government Arts College: Mangalore; f. 1865.
Government College: Mercara; f. 1957.
Government Training College: Mangalore;; f. 1959.
Institute of Education: Mysore.
Intermediate College: Chamarajnagar; f. 1954.
Law College: Bangalore; f. 1948.
Mahatma Gandhi Memorial College: Udipi; f. 1949.
Medical College: Mysore.
Mount Carmel College: Bangalore; f. 1948.
National College: Bangalore; f. 1945.
National Institute of Engineering, The: Mysore; f. 1946.
Rashtreeya Vidyalaya Teachers' College: Bangalore; f. 1954.
Renu Kacharya College: Bangalore.
Rural College: Kanakpura; f. 1955.
Sarada Vilas College: Mysore; f. 1945.
Sarada Vilas Law College: Mysore; f. 1954.
Shri Krishnarajendra Silver Jubilee Technological Institute: Bangalore; f. 1938.
St. Agnes College: Mangalore; f. 1921.
St. Aloysius College: Mangalore; f. 1880.
St. Ann's Training College: Mangalore; f. 1943.
St. Joseph's College: Bangalore; f. 1882.
St. Philomena's College: Mysore; f. 1946.
Teachers' College: Bangalore.
Teachers' College: Mysore; f. 1947.
Veerasaiva College: Bellary; f. 1945.
Veterinary College: Hebbal, Bangalore; f. 1958.
Vidyodaya College: T. Narasipur; f. 1954.
Vijaya College: Bangalore; f. 1945.

UNIVERSITY OF NAGPUR

NAGPUR, MAHARASHTRA

Telephone 2382

Founded 1923: Teaching and Affiliating

Chancellor: THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: Col. Justice Shri G. B. BADKAS, M.A., LL.B.
Registrar: Dr. M. S. MODAK, M.A., PH.D.
Librarian: N. N. GIDWANI, M.A., M.ED., LL.B., DIP. IN LIB.SC.

The library contains 98,209 volumes and approx. 5,026 MSS.

Number of teachers: 1,297.
Number of students: 28,522.

DEANS:

Faculty of Agriculture: Dr. K. G. JOSHI, M.SC., PH.D.
Faculty of Arts: Dr. V. B. KOLTE, M.A., LL.B., PH.D.
Faculty of Law: Justice S. P. KOTVAL, B.A., LL.B.
Faculty of Medicine: Dr. P. L. POWAR, M.D.
Faculty of Science: Dr. L. B. KAJALE, D.SC.
Faculty of Education: R. H. MUNJE, M.SC., DIP.ED.
Faculty of Commerce: M. R. TOKHI, M.A., B.COM., LL.B.
Faculty of Engineering and Technology: Shri A. DE SOUZA, B.A., B.E., A.M.INST.C.E., A.M.I.STRUCT.E., M.I.E.

HEADS OF DEPARTMENTS:

Faculty of Arts:
APTE, B. K., M.A. (History).
BAPAT, V. W., M.A. (Psychology).
DEHADRAI, V. B., G.D. (Art).
DESHPANDE, G. T., M.A., D.LITT. (Sanskrit).
DESHPANDE, N. R., M.A., PH.D. (Political Science).
EAPEN, K. E., M.A., LL.B. (Journalism).
IYENGAR, KUMARI S., M.A., PH.D. (Other Indian Languages).
KOLTE, V. B., M.A., LL.B., PH.D. (Marathi).
LEONIE, Rev. SISTER (European Languages).
MIRASHI, V. V., M.A., D.LITT. (Ancient Indian History and Culture).
MOSES, D. G., M.A., PH.D. (Philosophy).
MULEY, Y. M., M.A., F.L.A. (Library Science).
MUNJE, B. H., M.A. (Economics).
MURTY, V. S., M.A. (Public Administration).
NANDANPAWAR, L. S., B.SC. (Music).
PATHAK, K. K., M.A., PH.D., LL.B. (Hindi).
RAFIUDDIN, S., M.A., PH.D. (Persian, Arabic and Urdu).
SASTRI, P. S., M.A., D.LITT. (English).
TAMASKAR, B. G., M.A., B.T. (Geography).
WILKINSON, T. S., M.A., PH.D. (Sociology).

Faculty of Science:
ASOLKAR, G. V., M.SC., PH.D. (Chemistry).
BAPAT, R. N., M.SC., PH.D. (Physics).
GODAMBE, V. P., M.SC., PH.D. (Statistics).
KAJALE, L. B., D.SC. (Botany).
KHATIB, S. M. H., M.SC., PH.D. (Zoology).
NATH, M. C., D.SC. (Biochemistry).
PATWARDHAN, G. K., M.SC. (Mathematics).
RAO, K. SRIPADA, M.SC., F.G.S. (Geology).
SALDANHA, Miss M. A., M.A., PH.D. (Home Science).

Faculty of Law:
DEO, P. P., M.A., LL.B. (Law).

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Faculty of Education:

KARKARE, M. G., M.A., M.ED. (Physical Education).
TAMHANE, S. N., M.A., M.E.D. (Education).

Faculty of Agriculture:

FAROOQUE, M. M., M.SC. (Agronomy and Horticulture).
JOSHI, K. G., M.SC., PH.D. (Agricultural Extension and Economics).
SAKHADEO, S. V., G.G.V.C., P.G., M.SC. (Animal Husbandry, Dairy and Veterinary Science).
SHIRPURKAR, G. R., M.SC. (Agricultural Extension and Economics).
TANKSALE, M. A., B.SC.(AGR.)., ASSOC.I.A.R.I. (Botany, Plant Pathology and Entomology).
VAIDYA, S. B., B.SC.(AGR.), ASSOC.I.A.R.I. (Botany, Plant Pathology and Entomology).

Faculty of Medicine:

MULEY, P. D. (Surgery).
NIKORE, R. L., M.PHARM., DR.RER.NAT. (Pharmacy).
POWAR, P. L., M.D. (Medicine).

Faculty of Commerce:

DESHMUKH, N. C., M.COM. (Commerce and Business Economics).
SHAH, M. M., M.A., PH.D. (Languages, including English and Indian Languages).
SHAHA, M. M., M.A., PH.D. (Banking and Applied Economics).
TOKHI, M. R., M.A., B.COM., LL.B. (Accounts and Statistics).

Faculty of Engineering and Technology:

D'SOUZA A., B.A., B.E., A.M.INST.C.E., A.M.I.STRUCT.E., M.I.E. (Civil Engineering).
MEHTA, T. N., B.A.(HON). B.SC.(HON)., P.HD., D.I.C. (Oil and Chemical Technology).
MENE, P. S., B.SC., PH.D. (Chemical Technology and Engineering).
RAJADHYAX, V. R., Dip. in Arch., A.M.I.E. (Architecture).
SARDESAL, V. V., B.E., A.M.I.E. (General and Mechanical Engineering).
TAMSKAR, D. G., B.E. (Electrical Engineering).

The university maintains the following teaching departments: Ancient Indian History and Culture (f. 1955), Biochemistry (f. 1946), Pharmacy (f. 1956), Geology (f. 1946), Political Science (f. 1946), Public Administration and Local Government (f. 1949), Library Science (f. 1956), Post-Graduate Humanities (f. 1958).

CONSTITUENT COLLEGES:

Laxminarayan Institute of Technology: f. 1942; number of teachers 14, students 140.
Director: P. S. MENE, B.SC., PH.D., D.I.C., M.I.I.CHEM. ENG.

University College of Law: f. 1923; number of teachers 8, students 439.
Principal: Shri S. JANARDHAN RAO, B.SC., LL.M.

University Training College: f. 1945; number of teachers 15, students 217.
Principal: S. N. TAMHANE, M.A., M.ED.

AFFILIATED COLLEGES:

Adarsha Mahavidyalaya (*Arts and Commerce*): Dhamangaon; f. 1961, number of teachers 7, students 131.
Principal: P. V. LOKRAS, M.A., B.COM., LL.B.

Amolakchand Mahavidyalaya: Yeotmal; f. 1956; number of teachers 22, students 549.
Principal: N. B. PARADKAR, M.A.

Arts and Commerce College: Daryapur; f. 1961; number of teachers 6, students 134.
Principal: R. G. TATTE, M.COM.

College of Agriculture: Akola; f. 1955; number of teachers 22, students 337.
Principal: M. A. HAQ, M.S.(TAXAS).

College of Agriculture: Nagpur; f. 1906; number of teachers 46, students 690.
Principal: K. G. JOSHI, M.SC., PH.D.

College of Science: Nagpur; f. 1909; number of teachers 101, students 1,331.
Principal: L. B. KAJALE, D.SC.

C.P. and Berar Societies Arts College: Nagpur; f. 1960; number of teachers 6, students 98.
Principal: R. B. MURKUTE, M.A., LL.B.

Dhanwate National College: Nagpur; f. 1935; number of teachers 26, students 1,640.
Principal: M. M. LANJEWAR, M.A., B.COM., LL.B.

Dharampeth Arts and Science Mahavidyalaya: Nagpur; f. 1960; number of teachers 7, students 222.
Principal: V. G. VELANKAR, M.A., B.T.

G.S. College of Arts and Science: Khamgaon; f. 1947; number of teachers 39, students 1,069.
Principal: K. M. MUNSHI, M.SC.

G.S. College of Commerce: Wardha; f. 1940; number of teachers 17, students 989.
Principal: M. M. SHAH, M.A., PH.D.

G.S. College of Commerce and Economics: Nagpur; f. 1945; number of teachers 21, students 1,552.
Principal: M. R. TOKHI, M.A., B.COM., LL.B.

Government Diploma Training Institute for Men: Amravati; f. 1946; number of teachers 14, students 128.
Principal: N. R. PARASNIS, M.A., B.T., T.D.(LOND.), PH.D.

Government Diploma Training Institute for Women: Amravati; f. 1946; number of teachers 14, students 125.
Principal: SHRIMATI S. DEOSKAR, M.A., B.T.

Government Polytechnic: Nagpur; f. 1914; number of teachers 14, students 190.
Principal: K. N. TILLOO, B.SC., A.M.I.E.

Government Post-Graduate Basic Training College: Amravati; f. 1955; number of teachers 7, students 45.
Principal: N. R. PARASNIS, M.A., B.T., T.D.(LOND.), PH.D.

Government Training College: Akola; f. 1956; number of teachers 11, students 64.
Principal: R. H. MUNJE, M.SC., M.R.S.T., DIP.IN.ED.

Hislop College: Nagpur; f. 1884; number of teachers 71, students 1,690.
Principal: D. G. MOSES, M.A., PH.D.

Janata College of Education: Chanda; f. 1959; number of teachers 9, students 114.
Principal: S. K. JHA, B.SC., M.ED.

Janata Mahadvidyalaya: Chanda; f. 1958; number of teachers 27, students 715.
Principal: G. H. MAHAJAN, M.A.

Jijamata Mahavidyalaya: Buldana; f. 1956; number of teachers 5, students 303.
Principal: R. N. KHARCHE, M.A.

Kisanlal Nathamal College of Commerce and Arts: Karanja; f. 1961; number of teachers 48, students 119.
Principal: R. K. PAGE, M.A., LL.B.

Lady Amritbai Daga Women's College: Nagpur; f. 1932; number of teachers 48, students 976.
Principal: Miss M. A. SALDANHA, M.A., PH.D.

Lok-hit Arts Mahavidyalaya: Pusad; f. 1961; number of teachers 6, students 60.
Principal: Shri G. DESHMUKH, M.A.

M.M. College of Science: Nagpur; f. 1958; number of teachers 44, students 1,014.
Principal: Shri N. A. SHASTRI, M.SC.

Mahatma Fule Mahavidyalaya: Warud; f. 1960; number of teachers 5, students 132.
Principal: Y. M. PATHAK, M.A., LL.B.

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Medical College: Nagpur; f. 1947; number of teachers 86, students 930.
Principal: P. L. POWAR, M.D.

M.E.S. Arts College: Mehkar; f. 1961; number of teachers 5, students 42.
Principal: A. S. JOSHI, M.A., LL.B., KOVID.

N.M.D. College of Arts and Commerce: Gondia; f. 1958; number of teachers 18, students 449.
Principal: K. K. VERMA, M.A., LL.B., B.T.

Nabira Mahavidyalaya: Katol; f. 1961; number of teachers 5, students 67.
Principal: D. M. MUNSHI, M.A., M.COM., F.R.E.S.(LOND.).

Nagpur Mahavidyalaya: Nagpur; f. 1885; number of teachers 62, students 1,171.
Principal: V. B. KOLTE, M.A., LL.B., PH.D.

Nagpur Veterinary College: Nagpur; f. 1958; number of teachers 27, students 149.
Principal: S. V. SAKHADEO, B.SC.(VET.), M.SC.

Phulsingh Naik Mahavidyalaya: Pusad; f. 1961; number of teachers 5, students 116.
Principal: P. W. URDHWARESHE, M.A.

Raj Mahadvidyalaya: Amravati; f. 1960; number of teachers 9, students 139.
Principal: G. R. KOTVAL, M.A., B.LITT.

Rajasthan Aryan College: Wasim; f. 1944; number of teachers 5, students 233.
Principal: V. P. MOHOGAONKAR, M.A.

Regional Engineering College: Nagpur; f. 1958; number of teachers 19, students 279.
Principal: A. D'SOUZA, B.A., B.E., A.M.INST.C.E., A.M.STRUCT.E., M.I.E.

R.S. Bidkar College of Arts and Commerce: Hinganghat; f. 1961; number of teachers 8, students 107.
Principal: Offg. J. P. NANDURKAR, M.A., B.T., KOVID.

S.B. City College: Nagpur; f. 1930; number of teachers 37, students 1,372.
Principal: B. R. DESHPANDE, M.A., LL.B.

S.P.M. Mahavidyalaya: Wani; f. 1961; number of teachers 5, students 67.
Principal: D. H. AGNIHOTRI, M.A., B.T., PH.D.

Shri Shivaji College: Amravati; f. 1946; number of teachers 73, students 2,842.
Principal: N. C. DESHMUKH, M.COM.

Shri Shivaji B.T. College: Amravati; f. 1961; number of teachers 9, students 92.
Principal: KUMARI SHANTABAI RAJE, M.A., B.T., VISHARAD.

Shri Shivaji College: Akot; f. 1960; number of teachers 5, students 80.
Principal: G. M. SOMWANSHI, M.A., B.T.

Sitabai Arts College: Akola; f. 1938; number of teachers 35, students 1,554.
Principal: M. R. SHRINIWASAN, M.A.

St. Francis de Sales College: Nagpur; f. 1956; number of teachers 37, students 309.
Principal: Fr. A. J. MALIN, S.V.D.

Swavalambi College of Education: Wardha; f. 1958; number of teachers 13, students 146.
Principal: N. D. KEOLIA, B.A., M.ED.

Vanijya Mahavidyalaya: Yeotmal; f. 1959; number of teachers 6, students 420.
Principal: S. D. DATEY, M.A., LL.B.

Vidarbha Ayurved Mahavidyalaya: Amravati; f. 1960; number of teachers 18, students 48.
Principal: P. D. MULEY VAIDYARAJ.

Vidarbha Mahavidyalaya: Amravati; f. 1923; number of teachers 110, students 1,676.
Principal: S. M. H. KHATIB, M.SC., PH.D.

Yeshwant Arts College: Wardha; f. 1960; number of teachers 10, students 397.
Principal: S. G. SOMALWAR, M.A.

OSMANIA UNIVERSITY

HYDERABAD, A.P.

Telephone 72402

Founded 1918; Teaching and Affiliating

Chancellor: Gen. S. M. SHRINGESH.
Pro-Chancellor: H.R.H. Prince MUKARAMJAH BAHADUR, B.A.
Vice-Chancellor: D. S. REDDI, M.A., D.LITT.
Registrar: B. P. R. VITHAL, I.A.S.
Librarian: M. YAZDANI, B.A., DIP.L.SC.

The library contains 102,388 volumes.
Number of professors: 56.
Number of students: 21,489.

Publications: *Osmania Magazine, Syllabuses, University Act, University Handbook.*

DEANS:

Faculty of Arts: Prof. M. ABDUL QADIR, B.SC.
Faculty of Science: Dr. N. V. SUBBA RAO, D.SC., PH.D., D.I.C., F.R.I.C.
Faculty of Agriculture: Dr. H. A. RAZVI, B.AG., PH.D.
Faculty of Commerce: Dr. V. V. RAMANADHAM, M.COM., PH.D., A.I.T.
Faculty of Engineering: Prof. ABID ALI, B.SC., A.M.I.E.
Faculty of Education: Mrs. ZOHRA BEGUM, M.A., M.ED.
Faculty of Veterinary Science: Dr. HUSSAIN, M.A., G.M.V.C
Faculty of Law: Prof. G. C. V. SUBHA RAO, B.SC., M.L.
Faculty of Medicine: Dr. I. CHALPATHI NAIDU, M.S.
Faculty of Technology: Dr. B. S. KULKARNI, M.SC., PH.D., M.I.I.CHEM.E.

PROFESSORS:

Faculty of Arts:
CHOURAQUI, S. (French).
HUSSAIN, MASSOD (Urdu).
KHAN, M. ABDUL MUID, M.A., PH.D., D.LITT. (Arabic).
KUMAR, S. K., M.A., PH.D. (English).
LAKSHMIRANJANAM, K., M.A. (Telugu).
QADIR, MOHD. ABDUL, M.A., B.SC. (Economics).
SHARMA, A., M.A., D.PHIL. (Sanskrit).
SREENIVASACHAR, M. A., PH.D. (History).
SREPATI, SREE DEVI (Philosophy).
SUNDARAM, P. M. (Tamil).
WAHEEDUDDIN, S. (Philosophy).

Faculty of Science:
SATYANARAYANA, R., B.SC., PH.D. (Physics).
SINGH, S. N., M.SC., D.SC., PH.D. (Zoology).
SUBBA RAO, N. V., D.SC., PH.D., D.I.C., F.R.I.C. (Chemistry).

Faculty of Agriculture:
RAZVI, H. A., B.A.G., PH.D. (Plant Breeding).

Faculty of Commerce:
RAMANADHAM, V. V., M.COM., PH.D., A.I.T.

Faculty of Engineering:
ALI, ABID, B.SC., A.M.I.MECH.E., E.A.M.I.E., G.I.E.E. (Mechanical Engineering).
ASTHANA, K. C., B.E., M.S., PH.D. (Civil Engineering).
GADGIL, V. M., B.SC., A.C.C.I., M.A.I.E. (Electrical Engineering).
NAIR, K. K., M.SC., D.I., I.SC. (Telecommunications).
RAO, H. S., SHESHAGIRI, B.SC., A.I.S.M., M.M.G.I. (Mining).

Faculty of Education:
VEDANTACHARY, K.

Faculty of Veterinary Science:
HABIB KHAN, M., M.R.C.V.S.

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Faculty of Law:
SUBBA RAO, G. C. VENKAT.

Faculty of Medicine:
ALI, H. SYED, B.A., M.B.B.S., D.M.R.T., D.M.R.D., R.C.P.A.S. (Radiology).
ANSARI, M. YOUSUFUDDIN, M.B.B.S., L.R.C.P., PH.D. (Pharmacology).
BAJI, G. R., M.B.B.S., F.R.C.S. (Thoracic Surgery).
BOOSHAN RAO, I., M.B.B.S., M.D. (Forensic Medicine).
DAMODARAN, P., M.R.C.P. (Venereal Diseases).
HANUMANTHA RAO, G., M.B.B.S., M.SC. (Anatomy).
HARISHCHANDRA, M.B., M.R.C.P., D.C.H. (Pædiatrics).
JAYA, Y., M.B.B.S., PH.D. (Anatomy).
KHAN, BAHADUR, M.B.B.S., L.R.C.P., M.R.C.S., M.B.CH.B., M.C.H., M.R.C.S. (Surgery).
NAIDU, G. C. S., M.B.B.S., B.S.SC., C.I.H. (Public Health Administration).
NAIDU, I. C., M.B.B.S., M.S. (Surgery).
NAIDU, Mrs. P. M., F.R.C.S. (Obstetrics, Gynæcology).
NAIK, B. K., M.B.B.S., M.R.C.P. (Medicine).
PRAHLAD, V., M.B.B.S., D.P., M.S. (Preventive Medicine).
RAMANA RAO, P. V., B.SC., B.S. (Microbiology).
RAMCHANDER, S., M.R.C.P., M.B.B.S. (Medicine).
RANGANATHA RAO, K., M.B.B.S., B.SC., M.SC., PH.D. (Biochemistry).
RAO, A. B. N., M.B.B.S., F.R.C.S., D.L. (Ear, Nose and Throat).
ROA, B. D., M.S. (Neuro-Surgery).
RAO, M. G., L.D.SC., P.G.R., F.A.I.D. (Dental Surgery).
RAO, SHANKAR, M.B.B.S., PH.D. (Physiology).
RAO, V. G., M.B.B.S. (Pathology).
REDDY, D. V. SUBBA, M.B.B.S., M.SC. (History of Medicine).
REDDY, M. R., M.B.B.S., F.R.C.S., M.CH. (Orthopædic Surgery).
REDDY, P. S., M.B.B.S., D.O., M.S. (Ophthalmology).
SISODIA, P. (Pharmacology).
SITARAMAYYA, C., M.B.B.S., M.R.C.P., PH.D. (Physiology).
SUBBARAO, G., F.R.C.S. (Surgery).
SURTI, B. S., M.B.B.S., F.R.C.S., M.R.C.O.G. (Obstetrics and Gynæcology).
SWAMY, N. R. V., M.B.B.S., M.R.C.P. (Medicine).
VENKAT RAO, M., M.B.B.S., D.A., M.R.C.PA.S. (Anæsthesia).

Faculty of Technology:
KULKARNI, B. S., M.SC., PH.D.

UNIVERSITY COLLEGES:

College of Law: Hyderabad; f. 1960.
Principal: G. C. V. SUBBA RAO.

University College of Arts and Commerce: Hyderabad; f. 1918.
Principal: M. ABDUL QADIR.

University College of Education: Hyderabad; f. 1918.
Principal: Mrs. SYEDA ZOHRA BEGUM.

University College of Engineering: Hyderabad; f. 1929.
Principal: Prof. ABID ALI, B.SC., A.M.I.E.

University College of Science: Hyderabad; f. 1918.
Principal: Dr. N. V. SUBBA RAO, D.SC., PH.D., F.R.I.C.

University College of Veterinary Science and Animal Husbandry: Hyderabad; f. 1946.
Principal: Dr. M. AHMED HUSSAIN.

CONSTITUENT COLLEGES:

Chaderghat Arts College: Hyderabad; f. 1943.
Principal: SYED SIRAJUDDIN.

City Science College: Hyderabad; f. 1922.
Principal: I. SITARAM RAO.

College of Agriculture: Rajendranalar, Hyderabad; f. 1946.
Principapl: H. A. RAZVI.

College of Arts and Science: (Day Session) Warangal, Andhra Pradesh; f. 1927.
Principal: IMTIAZ HUSSAIN KHAN.

College of Arts and Science: (Evening Session) Warangal; f. 1960.
Principal: IMTIAZ HUSSAIN KHAN.

Evening College of Arts and Commerce: Hyderabad; f. 1949.
Principal: GHIASUDDIN AHMED.

Evening College of Arts and Commerce: Secunderabad; f. 1949.
Principal: M. PRASAD RAO.

Nizam College: Hyderabad; f. 1887.
Principal: S. RAGHUNATHAN.

Saifabad Science College: f. 1951.
Principal: KHALILUR RAHMAN.

Secunderabad Arts and Science College: Secunderabad.
Principal: Capt. S. M. AHMEDUDDIN.

Women's College; Hyderabad; f. 1924.
Principal: SREPATI SREE DEVI.

AFFILIATED COLLEGES:

Anwarul Uloom College: Hyderabad; f. 1953.
Principal: S. ALI AKBAR.

Arts and Science College: Gadwal, Mahbubnagaa District; f. 1960.
Principal: I. SURYANARAYANA.

Badruka College of Commerce and Economics: (Day Session) Hyderabad; f. 1950.
Principal: K. N. ACHARYA, M.A.

Badruka College of Commerce and Economics: (Evening Session) Hyderabad; f. 1958.
Principal: K. N. ACHARYA, M.A.

Gandhi Medical College: Hyderabad; f. 1955.
Principal: M. Y. ANSARI.

Girraj Government College: Nizamabad; f. 1956.
Principal: R. SURYA NARAYANA MURTHY.

Government Arts and Science College: Siddipet; f. 1956.
Principal: KRISHNA MURTHY.

Government Adilabad Science College: Adilabad; f. 1957.
Principal: M. S. SASTRI.

Government College of Home Science: Hyderabad; f. 1961.
Principal: Mrs. SARATHY.

Government College of Physical Education: f. 1959.
Principal: MIR ASADALI.

Government Teachers' Training College: Warangal; f. 1954.
Principal: C. S. N. MURTHY.

Government Training College: Hyderabad; f. 1959.
Principal: Mrs. T. M. YAZDANI.

Hindi Mahavidyalaya: Hyderabad; f. 1961.
Principal: KRISHNA DUTT.

Mumtaz College: Malakpet, Hyderabad: f. 1957.
Principal: FALAHUDDIN.

Nagarjuna Government Arts and Science College: Nalgonda, Andhra Pradesh; f. 1956.
Principal: P. C. ASTHANA.

Nanakram Bhagwandas Mahavidyalaya: Hyderabad; f. 1954.
Principal: C. V. RAMAKRISHNA RAO.

New Science College: Narayanguda, Hyderabad; f. 1956.
Principal: C. SUDARSHAN.

Osmania Medical College: Hyderabad; f. 1926.
Principal: Dr. I. CHALPATHI NAIDU.

Raja Bahadur Venkatrama Reddy Women's College: Hyderabad; f. 1954.
Principal: G. P. INDIRA.

Regional Engineering College: Warangal; f. 1959.
Principal: P. GOVINDA KRISHNAYYA.

Regional Medical College: Warangal; f. 1959.
Principal: LAKSHMINARAYAN.

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S.R. & B.G.N.R. Arts and Science College: Khammemeth, Andhra Pradesh; f. 1956.
Principal: V. VISWANATHAM.

S.R.R. Government Arts and Science College: Karimnagar; f. 1956.
Principal: I. V. CHALAPATI RAO.

St. Francis College for Women: Francis Street, Secunderabad; f. 1959.
Principal: Mrs. INDU DIXIT.

Urdu College: Hyderabad; f. 1962.

Vanita Mahavidyalaya: Hyderabad; f. 1962.

Vivek Vardhini College: (Day Session) Gowliguda, Hyderabad; f. 1949.
Principal: S. D. SATWALEKAR, PH.D.

Vivek Vardhini College: (Evening Session) Gowliguda, Hyderabad; f. 1958.
Principal: S. D. SATWALEKAR, PH.D.

PANJAB UNIVERSITY

CHANDIGARH 3

Telephone: 324

Founded 1947: Teaching and Affiliating

Chancellor: H.E. The GOVERNOR of the PANJAB.
Vice-Chancellor: Dr. A. C. JOSHI, D.SC., M.SC., F.N.I.
Registrar: K. S. NARANG, M.A.
Librarian: J. S. SHARMA, PH.D., M.A.

Number of professors: 23.
Number of students: 57,163 (incl. affiliated colleges).

DEANS:

University Instruction: H. P. DWIVEDI, D.LITT.
Faculty of Arts: SHER SINGH, M.A., PH.D.
Faculty of Languages: D. C. SHARMA, M.A., M.P.
Faculty of Science: P. N. MEHRA, D.SC., F.N.I., F.N.A.SC.
Faculty of Engineering and Technology: TARA SINGH.
Faculty of Education: J. D. SHARMA, I.A.S.
Faculty of Commerce: S. B. S. TEJA SINGH, B.A., LL.B.
Faculty of Law: MEHAR CHAND MAHAJAN, LL.D.
Faculty of Agriculture: L. S. NEGI, PH.D.
Faculty of Medicine: YUDHVIR SACHDEV, M.B.B.S., M.S.
Faculty of Dairying and Animal Husbandry: N. N. DASTUR.

PROFESSORS:

Faculty of Arts:
DWEDI, H. P., M.A., PH.D., D.LITT. (Hindi).
GUPTA, HARI RAM, M.A., PH.D., D.LITT. (History).
RAJ KUMAR, M.A., PH.D. (English).
SHARMA, D. C., M.A., M.P. (English).
SHUKLA, D. N., M.A., PH.D., D.LITT. (Sanskrit).

Faculty of Science:
ANAND, B. M., M.SC., PH.D. (Physics).
BAMBAH, R. P., M.A., PH.D.(CANTAB.), F.N.I. (Mathematics).
GUPTA, HANS RAJ, M.A., PH.D (Mathematics).
MEHRA, P. N., D.SC., F.N.I., F.N.A.SC., F.B.S. (Botany).
PAUL, R. C., M.SC., PH.D. (Physics).
SAHNI, M. R., M.A., PH.D. (Geology).
SHARMA, G. P., M.SC., PH.D. (Zoology).

Faculty of Engineering:
SEN, D. L., M.SC., A.I.I.SC., F.R.I.C.

Faculty of Commerce:
DUTTA, KRISHAN, M.A., B.COM., BAR.-AT-LAW.
KHANNA, B. S., M.A., PH.D. (Political Science).

Faculty of Law:
SARKAR, U. C., M.A., LL.D. (Law).

Faculty of Agriculture:
MADHOK, M. R., PH.D., P.A.S.(I).

Faculty of Medicine:
JALOTA, S. (Psychology).

Faculty of Veterinary Science:
SINGH, MOHAN MALHI, P.V.S.(I).

Ford Foundation:
RANGNEKAR, S. B., M.A., PH.D.

The university maintains twenty-four teaching departments.

CONSTITUENT COLLEGES:

Panjab University College of Commerce: Jullundur City; f. 1949.

Panjab University Law College: Chandigarh; f. 1948.

There are 112 affiliated colleges, including:

Christian Medical College: Ludhiana; f. 1894.
Principal: Dr. EILEEN SNOW, M.B.B.S. (Eng.) M.R.C.S. (Eng.), L.R.C.P. (Lond.).
Number of teachers: 71.
Number of students: 250.
(Supported by Christian Missionary Societies in U.S.A. and U.K.).

PATNA UNIVERSITY

PATNA-5, BIHAR

Telephone: 2322

Founded 1917: re-founded 1952; Residential and Teaching

Chancellor: Dr. ZAKIR HUSSAIN, M.A., PH.D., Governor of Bihar.
Vice-Chancellor: B. N. RAI.
Registrar: B. L. THAKUR, PH.D., M.SC.
Librarian: INDRADEO NARAIN SINHA, DIP.LIB.SC.

The library contains 84,282 volumes.
Number of teachers: 530.
Number of students: 10,190.
Publication: *Patna University Journal.*

DEANS:

Faculty of Arts: Prof. P. S. MUHAR.
Faculty of Education: RAMESHWAR PRASAD, M.SC., M.ED.
Faculty of Engineering: D. N. SINGH, B.SC., A.M.I.E., PH.D.
Faculty of Law: V. V. DESHPANDE, M.A., LL.M.
Faculty of Medicine: Prof. V. N. SINGH.
Faculty of Science: Prof. R. P. ROY.
Faculty of Commerce: B.R. MISRA, M.A., LL.B., PH.D., D.SC.
Faculty of Veterinary Science: H. R. KAPOOR.

The university maintains thirty-seven teaching departments and thirty-four post-graduate departments.

CONSTITUENT COLLEGES:

Bihar College of Engineering: Mahendru, Patna; f. 1924
4-year course; 66 new student admissions every year.
Principal: D. N. SINGH, B.SC.(ENG.), A.M.I.E. (Ind.). A.M.I.PROD.E. (Lond.), PH.D. (Glasgow).
Number of teachers: 31.
Number of students: 362.

Bihar National College: Bankipur, Patna, 4; f. 1917.
Principal: D. P. VIDYARTHY, M.A., PH.D.
Number of teachers: 82.
Number of students: 2,241.

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Magadh Mahila College: Patna; f. 1946.
Principal: Mrs. P. NANDI, M.A., M.SC.
Number of teachers: 36.
Number of students: 762.

Patna College: P.O. Bankipore, Patna, Bihar; f. 1863; the oldest college in the province, and the parent institution of three other colleges.
Principal: Dr. K. K. DUTTA, M.A., PH.D., P.R.S.
Number of teachers: 77.
Number of students: 1,342.

Patna Law College: P.O. Mahendru, Patna, Bihar; f. 1906,
Principal: V. V. DESHPANDE, M.A., LL.M.
Number of teachers: 27.
Number of students: 564 men.

Patna Training College: Patna; f. 1908.
Principal: D. P. GUPTA, M.A., M.ED., PH.D.
Number of teachers: 5.
Number of students: 141.

Patna Women's College: Patna; f. 1940.
Principal: Sister M. LUCILE, A.C., M.A.
Number of teachers: 24.
Number of students: 432.

Prince of Wales' Medical College: Bankipur, Patna; f. 1925.
Principal: GAYA PRASAD, B.SC., M.D., M.R.C.P., D.C.P., D.T.M., D.C.H.
Number of teachers: 55.
Number of students: 679.

Science College: Bankipur, Patna; f. 1927.
Principal: M. Q. DOJA, B.A.
Number of teachers: 58.
Number of students: 852.

Women's Training College: Patna; f. 1951.
Principal: Mrs. S. SINHA, M.A., DIP. IN ED.
Number of teachers: 4.
Number of students: 56.

UNIVERSITY OF POONA

GANESHKHIND, POONA 7
Telephone: 6061

Founded 1949: Teaching and Affiliating

Chancellor: THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: M. D. V. POTDAR, B.A.
Registrar: Shri W. H. GOLAY, B.A., Dipl.-in-Ed., Dipl.-in-Journalism.
Librarian: K. S. HINGWE, M.A., D.I.SC.

The library contains 63,550 volumes.
Number of teachers: 32.
Number of students: 24,334 (including affiliated colleges).

The university maintains teaching departments in the following subjects: Botany (f. 1952), Chemistry (f. 1950), Experimental Psychology (f. 1950), Geography (f. 1950), Marathi (f. 1950), Mathematics and Statistics (f. 1950), Physics (f. 1950), Politics (f. 1950), Sanskrit (f. 1950), Zoology (f. 1950).

DEANS:

Faculty of Arts: Dr. R. N. DANDEKAR, M.A., PH.D.
Faculty of Law: W. D. ADKE, B.A., LL.B.
Faculty of Medicine: C. L. MODI, F.R.C.S.
Faculty of Science: N. R. KULKARNI, M.SC.
Faculty of Engineering: Prof. G. K. OGALE, M.SC. M.E.
Faculty of Agriculture: A. A. MEMON, M.SC.
Faculty of Mental, Moral and Social Science: S. V. KOGEKAR, B.SC.(ECON.).
Faculty of Ayurvadic Medicine: Dr. B. C. LAGU, A.V.V.
Faculty of Commerce: M. R. DHEKNEY, M.A., M.COM., PH.D.

HEADS OF DEPARTMENTS:

Chemistry: Dr. S. K. K. JATKAR, D.SC., F.R.I.C., F.INST.P., F.I.SC.
Physics: Dr. M. W. CHIPLONKAR, M.SC., D.SC.
Mathematics and Statistics: Dr. V. S. HUZURBAZAR, M.A., PH.D. (Cantab), F.N.I., F.S.S.
Botany: Dr. T. S. MAHABALE, B.A., M.SC., PH.D., F.N.I., F.A.SC., F.N.A.SC., F.B.A.
Zoology: Dr. L. MULHERKAR, M.SC., PH.D.
Geography: Prof. V. S. GANANATHAN, M.A., A.M., F.A.G.S.
Sanskrit and Prakrit Languages: Dr. R. N. DANDEKAR, M.A., PH.D.
Marathi: Dr. S. G. TULPULE, M.A., PH.D.
Experimental Psychology: Prof. V. K. KOTHURKAR, B.A. (Cantab), M.A.
Politics and Public Administration: Dr. D. K. GARDE, M.A., D.LITT.
Geology: Prof. K. V. KELKAR, M.SC.
Sociology: Dr. I. KARVE, M.A., PH.D.
Ancient Indian Culture: Dr. H. D. SANKALIA, M.A., LL.B., PH.D.
Economics: Dr. T. M. JOSHI, M.A., PH.D.
Modern Languages: Prof. P. M. CHAUBAL, B.A., Dip.-in-French.
English: Dr. V. N. DHAVALE, M.A., D.PHIL.
Hindi: Prof. P. R. BHUPATKAR, M.A.
Persian and Urdu: Prof. G. D. S. SHAIKH, M.A.
Linguistics: Dr. N. G. KALELKAR, M.A., D.LITT.
Philosophy: Prof. D. D. VADEKAR, M.A.

CONSTITUENT COLLEGES:

B.J. Medical College: Poona 1; f. 1946.
B.M. College of Commerce: Poona 4; f. 1943.
College of Agriculture: Poona 5; f. 1908.
College of Engineering: Poona 5; f. 1854.
Fergusson College: Poona 4; f. 1885.
Law College: Poona 4; f. 1924.
M.E. Society's College of Arts and Sciences: Poona 4; f. 1945.
Nowrosjee Wadia College: 19 Bund Road, Poona 1; f. 1932.
Sir Parashurambhau College: Poona 2; f. 1916.
Tilak College of Education: Poona 2; f. 1941.
Ayurveda Mahavidyalaya: 22 Nagesh Peth, Poona 2; f. 1955.

AFFILIATED COLLEGES:

Ahmednagar College: Ahmednagar; f. 1947.
Azad College of Education: Camp-Satara; f. 1955.
B.Y.K. College of Commerce: Nasik; f. 1957.
Chhatrapati Shivaji College: Camp-Satara; f. 1947.
College of Commerce: Kolhapur; f. 1957.
College of Engineering: Poona 5.
Dayanand College: Sholapur; f. 1940.
Dayanand College of Commerce: Sholapur; f. 1952.
Dayanand College of Education: Sholapur; f. 1955.
G. K. Gokhale College: Kolhapur; f. 1950.
H.P.T. College: Nasik; f. 1924.
Mahatma Gandhi Vidya Mandir: Malegaon; f. 1959.
Mooljee Jaitha Arts and Science College: Jalgaon (E.Kh.); f. 1945.
Mudhoji College: Phaltan (N. Satara); f. 1957.
N. Wadia College: Poona.
Pratap College: Amalner (E.Kh.); f. 1945.
Rajaram College: Kolhapur; f. 1947.

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R.P. Gogate College: Ratnagiri; f. 1945.

Sangameshwar College: Sholapur; f. 1953.

Science College: Karad.

S.G.M. College: Karad; f. 1954.

Shahaji Law College: Kolhapur (S.M.C.); f. 1933.

Shri Shivaji Education Society's Science College: Karad (N. Satara); f. 1958.

S.M.T. Teacher's College: Kolhapur; f. 1934.

S.S.V.P. Sanstha's Arts and Science College: Dhulia (W.K.); f. 1956.

Walchand College of Engineering: Sangli; f. 1947.

Willingdon College: Sangli; f. 1919.

RECOGNISED INSTITUTIONS:

Armed Forces Medical College: Poona 1; f. 1958.

Bhandarkar Oriental Research Institute: Poona 4.
Director: Prof. C. R. DEODHAR.

Deccan College Post-graduate and Research Institute: Poona 6.
Director: Dr. H. D. SANKALIA.

G.K. Institute of Rural Education: Gargoti (Dist. Kolhapur); f. 1958.

Gokhale Institute of Politics and Economics: Poona 4; f. 1928; publ. *Artha Vijnan* (quarterly).

UNIVERSITY OF RAJASTHAN

GANDHI NAGAR, JAIPUR

Telephone: 4135

Founded 1947: Teaching and Affiliating

Chancellor: H.E. SARDAR GURMUKH NIHAL SINGH, Governor of Rajasthan.
Vice-Chancellor: Dr. M. S. MEHTA, M.A., PH.D., Bar.-at-Law.
Registrar: Shri K. L. VARMA, M.A.

Number of students: 21,770.

DEANS:

Faculty of Arts: Shri BHIM SEN, M.A.
Faculty of Science: Dr. L. S. RAMASWAMI, D.SC.
Faculty of Commerce: Shri B. D. BHARGAVA, M.A., B.COM.
Faculty of Law: G. S. SHARMA.
Faculty of Engineering: Shri V. LAKSHMINARAYANAN, B.E., A.M.I.E.
Faculty of Medicine: Dr. S. C. MEHTA, F.R.C.S.
Faculty of Education: Shri P. L. SHRIMALI, M.SC., B.T.

The university maintains the following teaching departments: Economics (Jaipur; f. 1949), Geology (Udaipur; f. 1950), History (Jaipur; f. 1953), Philosophy (Jodhpur; f. 1950), Law (University College, Jaipur; f. 1947), Mathematics (Jaipur; f. 1960), Zoology (Jaipur; f. 1960), Botany (Jodhpur; f. 1960), Physics (Jaipur; f. 1960), Chemistry (Jaipur; f. 1960), German (Jaipur; f. 1960), French (Jaipur; f. 1960), Library Science (Jaipur; f. 1960), Hindi (Jaipur; f. 1961), Sanskrit (Jaipur; f. 1961), Statistics (Jaipur; f. 1961), Sociology (Jaipur; f. 1961), English (Jaipur; f. 1961), Political Science (Jaipur; f. 1961).

AFFILIATED COLLEGES:

Agarwal Inter. College: Jaipur; f. 1954.

Banasthali Vidyapeeth: Banasthali; f. 1941.

Banguar College: Didwana; f. 1951.

Basic Teachers' Training College: Sardarshahr.

Bhupal Noble's Inter. College: Udaipur; f. 1954.

Bikaner Medical College: Bikaner; f. 1959.

Birla College of Arts: Pilani; f. 1929.

Birla College of Science, Commerce and Pharmacy: Pilani; f. 1952.

Birla Engineering College: Pilani; f. 1946.

B.J.S.R. Jain Inter. College: Bikaner; f. 1945.

Chirawa Inter. College: Chirawa; f. 1950.

Commerce College: Jaipur, 1956.

Darbar Inter. College: Kishangarh; f. 1951.

Darbar Inter. College: Tonk; f. 1952.

Dayanand College: Ajmer; f. 1942.

Dungar College: Bikaner; f. 1928.

Gandhi Vidya Mandir: Sardarshahr; f. 1954.

Government College: Bhilwara; f. 1951.

Government College: Kotah; f. 1924.

Government College: Shri Gangangagar; f. 1951.

Government Inter. College: Banswara; f. 1950.

Government Inter. College: Dausa; f. 1951.

Government Inter. College: Sardarshahr; f. 1951.

Government Inter. College: Sirohi; f. 1952.

Government College: Ajmer; f. 1868.

Government College (Teachers' Training): Ajmer; f. 1957.

Government College: Bundi; f. 1959.

Government College: Kaurali; f. 1960.

Government College: Kishangarh; f. 1959.

Government College: Tonk; f. 1959.

Government Girls' College: Sri Ganganagar; f. 1958.

Government Teachers' Training College: Bikaner; f. 1946.

G. R. Chamaria Inter. College: Fatehpur; f. 1927.

Hadendra Inter. College: Bundi; f. 1945.

Jaswant College: Jodkpur; f. 1892.

Lohia College: Churu; f. 1945.

Maharaja's College: Jaipur; f. 1873.

Maharana Girls' Inter. College: Udaipur.

Maharani's College: Jaipur; f. 1944.

Maharani's Girls' Inter. College: Kotah; f. 1906.

Maharani Sudershan College for Women: Bikaner; f. 1946.

M.B. College: Udaipur; f. 1922.

M.B.M. Engineering College: Jodhpur; f. 1951.

M.S. College for Women: Bikaner; f. 1946.

M.S.J. College: Bharatpur; f. 1941.

Rajasthan Mahila Vidyalaya: Udaipur; f. 1951.

Rajasthan College of Agriculture: Udaipur; f. 1955.

Rajasthan College: Jaipur; f. 1957.

Rajasthan Girls' College: Udaipur; f. 1959.

Rajasthan College of Commerce: Jaipur.

Rajasthan College of Veterinary Science and Animal Husbandry: Bikaner; f. 1954.

Rajasthan Shranjivi Vishwa Vidyapeeth: Udaipur.

Rajmahal Girls' Inter. College: Jodhpur; f. 1948.

Raj Rishi College: Alwar; f. 1930.

R. N. Ruia Inter. College: Ramgarh; f. 1955.

R.R. College: Alwar; f. 1930.

Savitri Girls' College: Ajmer; f. 1914.

S.D. Government College: Beawar; f. 1955.

Seth G.L.B.D. College: Sri Ganganagar; f. 1957.

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Seth G.N. Khaisa College: Sri Ganganagar; f. 1959.
Seth G.R. Chamaria College: Fatehpur; f. 1947.
Seth Motilal College: Jhunjhunu; f. 1952.
Seth R.N. Ruia College: Ramgarh; f. 1955.
Seth G. B. Podar College: Nawalgarh; f. 1942.
Seth M. Inter. College: Jhunjhunu; f. 1952.
Sharda Sadan Inter. College: Mukundgarh; f. 1951.
Shramjeevi College: Rajasthan Vidyapeeth, Udaipur; f. 1952.
Shri Bangur Inter. College: Didwana; f. 1951.
Shri Jain Inter. College: Bikaner; f. 1954.
Shri Kalyan Inter. College: Sikar; f. 1947.
Shri Rajendra Inter. College: Jhalawar; f. 1946.
S.K.N. Agricultural Institute: Jobner; f. 1947.
S.K.N. Inter. Arts College: Jobner; f. 1952.
S.M.K. College: Jodhpur; f. 1947.
S.M.S. Medical College: Jaipur; f. 1947.
S.P.U. Inter. College: Falna; f. 1951.
S.R.S. Government Degree College: Kaladera; f. 1959.
S.S. Jain Subodh College: Jaipur; f. 1959.
S.S. Jain Subodh Inter. College: Jaipur; f. 1954.
S.S.G. Pareek College: Jaipur; f. 1945.
Udaipur School of Social Work: Rajasthan Vidyapeeth, Udaipur; f. 1959.
Vidya Bhawan G.S. Teachers' College: Udaipur; f. 1942.

UNIVERSITY OF ROORKEE

ROORKEE, U.P.
Telephone: Roorkee 5

Founded in 1847 as Thomason College; inaugurated as a university 1949: Residential and Teaching.

Chancellor: THE GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: G. PANDE, C.E., M.I.E.(INDIA).
Registrar: Shri S. S. SHARMA, M.A.
Librarian: D. GUPTA, DIP.LIB.SC.

The library contains 51,112 volumes.
Number of teachers: 133, including 4 professors.
Number of students: 1,724.

The university maintains the following teaching departments: Civil Engineering (f. 1945), Electrical Engineering (f. 1946), Mechanical Engineering (f. 1946).

SARDAR VALLABHBAI VIDYAPEETH

VALLABH VIDYANAGAR, GUJERAT STATE
Telephone 192

Founded 1955; Teaching and Affiliating

Chancellor: THE GOVERNOR OF GUJERAT.
Vice-Chancellor: Dr. M. D. PATEL, M.SC.(CORNELL), PH.D.(WISC.).
Registrar: D. B. PATEL, M.A.

Number of teachers: 36 Post Graduate and 17 S.T.T. College.
Number of students: 339 Post Graduate and 162 Teacher Trainees.

DEANS:

Faculty of Arts: T. G. DEOKULE, M.A.
Faculty of Science: A. R. PATEL, M.SC., PH.D.
Faculty of Technology and Engineering: Prin. S. M. AMIN.
Faculty of Agriculture: Dr. R. M. PATEL, M.SC., PH.D., B.E.
Faculty of Commerce: M. M. SHAH, M.COM., M.SC.

POST GRADUATE DEPARTMENTS:

PROFESSORS:

AMIN, R. K., M.A., M.SC. (Economics).
PANT, M. B., M.A. (Hindi).
PATEL, R. D., M.SC., PH.D. (Chemistry).

UNIVERSITY OF SAUGAR

SAUGAR, M.P.
Telephone 5

Founded 1946: Teaching and Affiliating.

Chancellor: KAILASH NATH KATJU, M.A., LL.D., D.LITT.
Pro Chancellor: Dr. SHANKAR DAYAL SHARMA, M.A., LL.M., Bar. at Law, PH.D.
Vice-Chancellor: D. P. MISRA, D.LITT.
Registrar: Prof. ISHWAR CHANDRA, M.A.
Librarian: B. L. PATHAK, M.A., M.O.L.

The library contains 83,220 volumes.
Number of teachers: 137, including 12 professors.
Number of students: 12,792 men, 1,084 women, total 13,876.

DEANS:

Faculty of Arts: Prof. M. P. SHARMA, M.A., D.LITT.
Faculty of Science: Prof. D. S. SHRIVASTARAS, M.SC., PH.D.
Faculty of Law: B. L. SETH, B.SC., LL.B.
Faculty of Education: A. MISRA, M.A., B.SC., LL.B., B.T.
Faculty of Engineering: V. M. DOKRAS, PH.D., M.S., M.SC.

PROFESSORS:

BAGPEYI, N. D., M.A. (Hindi).
BHATTACHARYA, A. K., D.SC. (Chemistry).
BHAWALKAR, D. R., M.SC., PH.D. (Physics).
BHUTT, G. P., B.SC., LL.B. (Criminology and Forensic Science).
DUBE, S. C., M.A., PH.D. (Anthropology).
MISRA, M. L., M.A., D.SC. (Mathematics).
MUZAFFAR, ALI, M.A., PH.D. (Geography).
SAKSENA, B. R., M.A., D.LITT. (Indo-Iranian Studies).
SHARMA, M. P., M.A., D.LITT. (Political Science).
SHRIVASTAVA, D. S., M.SC., PH.D. (Zoology).
SWAMINATHAN, S. R., B.A., D.PHIL. (English).
WEST, W. D. (Geology).

The university maintains twenty-six teaching departments.

AFFILIATED COLLEGES:

Chhatrasal Degree College: Panna.
Principal: Shri S. N. PANT.

Chhattisgarh College: Raipur.
Principal: Shri J. YOGANANDAM.

C.M. Dubey Commerce and Arts College: Bilaspur.
Principal: Shri D. P. SHUKLA.

College of Science: Raipur.
Principal: Dr. V. B. SHUKLA.

Damoh Arts College: Damoh.
Principal: Shri P. M. PARANJPE.

Digvijai Mahavidyalaya: Rajnandgaon.
Principal: Shri K. L. SHUKLA.

Government Agricultural College: Rewa.
Principal: R. C. SHARMA.

Government Arts and Science College: Durg.
Principal: Dr. S. L. KATARE.

Government Ayurvedic College: Raipur.
Principal: Shri S. D. SARASWANT.

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Government College of Engineering and Technology: Raipur.
Principal: Shri P. C. WADHWANI.

Government Degree College: Ambikapur.
Principal: Dr. RADESHWAR GURU.

Government Degree College: Balaghat.
Principal: RAVI PRAKASH.

Government Degree College: Datia.
Principal: N. P. NAFADE.

Government Degree College: Jagdalpur.
Principal: Dr. S. N. KAVEESHWAR.

Government Degree College: Satna.
Principal: Shri O. B. SHUKLA.

Government Degree College: Shahdol.
Principal: R. M. CHATURVEDI.

Government Degree College: Sidhi
Principal: Shri A. H. NIZAMI.

Government Degree College: Tikamgarh.
Principal: Shri J. C. AGARWAL.

Government D.S.V. Sanskrit Mahavidyalaya: Raipur.
Principal: Dr. S. S. HASURKAR.

Government Girls' Degree College: Raipur.
Principal: Smt. N. SHARAN.

Government Training College: Khandwa.
Principal: Shri K. M. BAKSHI.

Government Training College: Raipur.
Principal: Shri S. CHATURVEDI.

Government Training College: Rewa.
Principal: B. L. SHARMA.

Janjgir College of Arts and Commerce: Janjgir.
Principal: Shri S. P. VARMA.

Jayavanti-Haksar College: Betul.
Principal: Dr. V. B. SHUKLA.

Kirodimal Government Arts and Science Degree College: Raigarh.
Principal: Dr. S. P. TIWARI.

Kirodimal Government Polytechnic: Raigarh.
Principal: Shri R. G. BULDEO.

Lahiri Degree College of Arts, Science and Commerce: Chirimiri.
Principal: Shri J. LAHIRI.

Law College: Khandwa.
Principal: Shri R. K. GUPTA.

Law College: Raipur.
Principal: Shri B. B. L. TIWARI.

Law College: Satna.
Principal: Shri V. S. MISHRA.

L.P. Sanskrit Degree College: Dhana (Dist. Sagar).
Principal: Shri C. P. PANDEY.

Maharaja College: Chhatarpur.
Principal: Dr. H. R. MISHRA.

Mahatma Gandhi Memorial College: Itarsi.
Principal: Shri S. B. TRIVEDI.

Narmada Mahavidyalaya: Hoshangabad.
Principal: Shri R. L. SHARMA.

Narshimhapur Degree College: Narshimhapur.
Principal: Dr. P. H. BHURANEY.

New Arts and Commerce College: Raipur.
Principal: Shri M. V. RAMCHANDRAN.

P.G. Basic Training College: Bilaspur.
Principal: Shri G. Y. TANKHIWALE.

Rani Durgavati Mahavidyalaya: Madla.
Principal: Shri S. L. TIWARI.

Satpura Mahavidyalaya: Chhindwara.

S.B.R. College: Bilaspur.
Principal: Shri A. L. PANDE.

Seva Sadan Arts College: Burhanpur.
Principal: Shri G. B. CHOUKSEY.

Shri Nilkantheshwar College: Khandwa.
Principal: Dr. R. L. NIRULA.

Shri Shikharchand Jain Science and Arts College: Seoni.
Principal: Shri R. S. NIGAM.

Thakur Ranmat Singh College: Rewa.
Principal: Shri R. N. TANDON.

Vanijya Mahavidyalaya Satna.
Principal: Shri R. G. GUPTA.

SHREEMATI NATHIBAI DAMODAR THACKERSEY WOMEN'S UNIVERSITY

1 NATHIBAI THACKERSEY ROAD,
QUEEN'S ROAD, FORT, BOMBAY, 1
Telephone: 241879
Telegraphic Address: Uniwomen

Founded 1916: Teaching and Affiliating

Chancellor: Mrs. VIJAYA LAKSHMI PANDIT, Governor of Maharashtra.
Vice-Chancellor: Dr. Smt. PREMLILA V. THACKERSEY, D.LITT.
Registrar: Smt. KAMALINI H. BHANSALI, B.A., M.ED.
Librarian: Smt. VIDYUT KHANDWALA, B.A., DIP.LIB.
Dean of the Faculty of Arts: Smt. SHARDA DIVAN, M.A.

Number of teachers: 147.
Number of students: 7,704.

PROFESSORS:

BETAI, S. G. (Gujarati).
BHOOTA (Smt.) KAMLA, (Child Development and Family Relationship).
HATE, Smt. C. A. (Economics).
KHER, Smt. C. A. (Economics).
MANIAR, U. M. (English).
MUDAMBI, Smt. S. (Foods and Nutrition).
PHATAK, D. S. (Sanskrit).
SARDAR, G. B. (Marathi).
SHARAYU BAL, Smt. (Sociology).

CONSTITUENT COLLEGES:

Shreemati Nathibai Damodar Thackersey College for Women: 1 Queen's Road, Bombay; f. 1931.

Shreemati Nathibai Damodar Thackersey College for Women: Karve Road, Erandvana, Poona 4; f. 1916.

Premkunverbai Vithaldas Damodar Thackersey College of Education for Women: Queen's Road, Bombay 1; f. 1959.

College of Home Science of S.N.D.T. Women's University: 1 Nathibai Thackersey Road, Queen's Road, Bombay 1.

Shree Hansraj Pragji Thackersey School of Library Science: 1 Nathibai Thackersey Road, Queen's Road, Bombay 1.

AFFILIATED COLLEGES:

Maharani Chimnabai Mahila Pathshala: nr. Sursagar, Baroda; f. 1923.

Shree Mahila College: Shah Sadan, Waghwadi, Bhavnagar.

S.L.U. College for Women: Vallabhbhai Road, Ahmedabad; f. 1920.

Zal Framroz Wadia Women's College: Athwa Lines, Surat; f. 1951.

Shri Matunga Gujarati Seva Mandal Women's College: Bombay 19; f. 1958.

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S.P.R. Mahila Mahavidyalaya: Ratan Baug, Kirol Road, Ghatkopar, Bombay 77; f. 1960.
Marwadi Sammelan Women's College: Bombay 2; f. 1960.
Shri M.M. Shah Mahila College: Wadhwan (Saurashtra).

SRI VENKATESWARA UNIVERSITY

TIRUPATI, ANDHRA PRADESH
Telephone: Tirupati 52

Founded 1954 as Residential and Teaching; Affiliating since 1956.

Chancellor: Gen. S. M. Srinagesh, Governor of Andhra Pradesh.
Pro-Chancellor: P. V. G. Raju.
Vice-Chancellor: S. Govindarajulu, M.A., LL.B., B.L.
Registrar: M. Ramanuja Rao Naidu, M.A.
Principal: Prof. K. Pampapathy Rao, M.A., PH.D.
Asst. Librarian: P. S. Patnaick, M.A., DIP.LIB.

Deans:

Faculty of Arts: (Vacant).
Faculty of Science: (Vacant).
Faculty of Commerce: (Vacant).
Faculty of Engineering: Prof. G. Ramakrishnan, B.E., M.SC.
Faculty of Teaching: Dr. S. Gopalakrishna Murthy, M.A., D.SC., B.ED.
Faculty of Medicine: Dr. C. Venkatramaiah, M.B.B.S., M.SC.
Faculty of Veterinary Science: Dr. P. S. Rajulu, G.M.V.C., B.V.SC., P.G., M.S.
Faculty of Agriculture: (Vacant).
Faculty of Oriental Learning: Prof. P. Lakshmikantham, M.A.
Faculty of Fine Arts: Dr. B. Gopala Reddy, D.LITT.

Number of teachers: 176.
Number of students: 1,129.
Publs. *Annual Report, College Magazine, S.V. University Central Journal, Research Bulletin,* etc.

Heads of Departments:

Zoology: Prof. K. Pampapathi Rao.
Physics: Prof. J. Bheemasenachar.
Chemistry: Prof. K. Neelakantam.
Botany: Prof. I. M. Rao.
Geology: Prof. M. G. Chakrapani Naidu.
Mathematics: Prof. D. P. Banerjee.
Philosophy: (Vacant).
Economics: (Vacant).
Psychology: Prof. S. Parthasarathy.
History: Prof. M. Rama Rao.
English: Prof. M. V. Rama Sarma.
Telugu: Prof. P. Lakshmikantham.
Hindi: Prof. V. P. Singh.
Sanskrit: Dr. E. R. Srikrishna Sarma.
Arabic, Persian and Urdu: Prof. S. Mohammad Hussain Nainar.

University College of Engineering

Mechanical Engineering: Prof. G. Ramakrishnan.
Civil Engineering: Prof. B. Mohan Rao.
Electrical Engineering: (Vacant).

UTKAL UNIVERSITY

CUTTACK, ORISSA
Telephone: Cuttack 193

Founded 1943: Teaching and Affiliating.

Chancellor: Y. N. Sukthankar, M.A., LL.B.
Pro-Chancellor: Dr. Pandit Nilakantha Das, M.A., D.LITT., M.L.A.
Vice-Chancellor: Lt. Col. P. Krushna Parija, O.B.E., D.SC., M.A., I.E.S., F.N.I.
Registrar: Shri G. C. Rath, M.A., DIP. IN L.SC.
Librarian: J. Misra, B.A., DIP. IN L.SC.

The library contains 33,866 volumes.

Number of professors and teachers in the affiliated colleges: 368 men, 21 women, total 389.

Number of students: 12,284 men, 1,412 women, total 13,696.

Publications: *University Calendar, Minutes, Syllabus and Courses,* text-books.

Deans:

Faculty of Arts: Dr. A. B. Mohanti.
Faculty of Science: Dr. R. N. Mohanty.
Faculty of Medicine: Dr. K. N. Misra, B.SC., M.B., D.T.M.
Faculty of Law: H. Mohapatra.
Faculty of Education: B. N. Rath, M.A.
Faculty of Commerce: B. C. Das.
Faculty of Agriculture: Dr. B. N. Sahu.
Faculty of Veterinary Science: G. Biswal.
Faculty of Engineering: B. Prasad.

The university has teaching departments of Law (f. 1949) and Foreign Languages (f. 1949).

Affiliated Colleges:

Bhadrak College: Bhadrak (Balasore); f. 1948.
Christ College: Cuttack; f. 1944.
Fakir Mohan College: Balasore; f. 1944.
Gangadhar Mehar College: Sambalpur; f. 1944.
Government Training College: Angul; f. 1955.
Khallikote College: Berhampore (Ganjam); f. 1878.
Maharaja Purna Chandra College: Baripada (Mayurbhanj).
Narsing Chaudhury College: Jaipur; f. 1946.
Orissa College of Veterinary Science and Animal Husbandry.
Radhanath Training College: Cuttack; f. 1923.
Rajendra College: Bolangir; f. 1944.
Ravenshaw College: Cuttack; f. 1841.
Samanta Chandra Sekhar College: Puri; f. 1944.
Shailabala Women's College: Cuttack; f. 1946.
Sri Krushna Chandra Gajapati College: Parlakimedi.
Sri Ram Chandra Bhanj Medical College: Cuttack.
Stewart Science College: Cuttack; f. 1944.
Utkal Krishi Mahavidyalaya: Bhubaneswar; f. 1954.
Vikram Dev College: Jeypore (Koraput); f. 1947.

VIKRAM UNIVERSITY

UJJAIN, MADHYA PRADESH
Telephone: Ujjain 30

Founded 1957: Teaching and Affiliating.

Chancellor: H.D. The Governor of Madhya Pradesh, Shri H. V. Pataskar, B.A., LL.B.
Vice-Chancellor: Dr. G. L. Datta, M.A., PH.D.
Registrar: Shri V. Shankaran, M.A.

Number of students: 26,717 men, 3,686 women, total 30,403.

Deans:

Faculty of Arts: Dr. C. W. David.
Faculty of Science: Dr. S. S. Saxena.
Faculty of Commerce: Dr. G. P. Gupta.
Faculty of Law: Dr. G. C. Kasliwal.
Faculty of Agriculture: Shri M. P. Singh.
Faculty of Medicine: Dr. B. N. B. Rao.
Faculty of Engineering: Shri J. N. Moudgill.
Faculty of Veterinary Science and Animal Husbandry: Dr. R. L. Kaushal.

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Faculty of Education: Smt. F. CHAUDHARI.
Faculty of Physical Education: Shri P. M. JOSEPH.

The university has 8 teaching departments, 23 Constituent Colleges and 35 Affiliated Colleges.

VISVA-BHARATI

P.O. SANTINIKETAN, DISTRICT OF BIRBHUM, W. BENGAL
Telephone: Bolpur 21 and 22
Founded by RABINDRANATH TAGORE, 1921: Residential and Teaching.

Chancellor: The Prime Minister, JAWAHARLAL NEHRU.
Vice-Chancellor: SUDHI RANJAN DAS.
Registrar: (Vacant).
Librarian: B. K. DATTA, M.A., DIP.LIB.
The library contains 201,400 volumes.
Number of teachers: 116.
Number of students: 536.

HEADS OF DEPARTMENTS:

Sanskrit, Pali and Prakrit: S. BHATTACHARYA, M.A., D.LITT., PH.D.
Bengali: P. C. SEN, M.A.
English and Modern European Lagnuages: HIRENDRNATHA DATTA, M.A.
Chinese: TAN YUN-SHAN.
Japanese: SHINYA KASUGAI.
Arabic, Persian and Islamic Studies: S. M. ALI, PH.D.
Indo-Tibetan: CHHIMED RIGDZIN LAMA.
Hindi: RAM SINGH TOMAR, D.PHIL.
Oriya: D. P. PATTANAYAK, M.A., PH.D.
History: S. CHATTERJEE, M.A., PH.D.
Economics and Politics: K. MUKHERJEE, M.A., D.PHIL.
Philosophy and Religion: KALIDAS BHATTACHARYYA, M.A., PH.D.
Mathematics: PRANKUMAR GHOSH, M.A.
Science (including Geography): P. C. DAS GUPTA, M.SC.
Education: SUNIL CHANDRA SARKAR, M.A., B.T.
Arts and Crafts: D. K. DEV BARMAN.
Indian Classical Music: SUSIL KUMAR BHANJA CHAUDHURI, B.A.
Rabrindra Music and Dance: SANTIDEV GHOSE.

CONSTITUENT COLLEGES:

Kala-Bhavana: f. 1919.
Principal: B. BOSE.

Sangita-Bhavana: f. 1934.
Principal: S. K. BHANJA CHAUDHURI, B.A.

Siksha-Bhavana: f. 1921.
Principal: H. N. DATTA, M.A.

Vidya-Bhavana: f. 1918.
Principal: K. BHATTACHARYYA, M.A., PH.D.

Vinaya-Bhavana: f. 1948.
Principal: J. G. RAI, B.T.M.E.D.

AGRICULTURAL UNIVERSITY

UTTAR PRADESH AGRICULTURAL UNIVERSITY
PHOOLBAGH, NAINI TAL, UTTAR PRADESH
Founded 1959

Vice-Chancellor: K. A. P. STEVENSON.

COLLEGES

Apart from the Colleges which are attached to Universities a number of Institutes in India combine research with teaching. Details of some of these will be found in the section on Research Institutes.

TECHNOLOGICAL COLLEGES:

College of Engineering and Technology: Delhi; f. 1960; affiliated to the University of Delhi; to form basis for Faculty of Technology; first degree courses in Civil, Mechanical, Electrical, Chemical and Textile Engineering.

Institute of Technology: Kharagpur, Bengal; f. 1951; 14 departments, each equipped for post-graduate study and research; 1,500 students.

Indian Institute of Technology, Bombay: Powai, Maharashtra State; f. 1958; degree courses in Civil, Mechanical, Electrical, Chemical and Metallurgical Engineering; there will eventually be up to 1,600 undergraduate and 400 post-graduate and research students; the organisation of the Institute has been assisted by UNESCO.

Institute of Higher Technology: Khanpur; f. 1961.

Indian Institute of Technology, Madras: I.I.T.P.O., Madras 36; f. 1959; 5-year integrated course for B.Tech. degree, 3-year course for B.Sc. in engineering; post-graduate courses leading to M.Sc., M.Tech. and Ph.D.; Dir. Prof. B. SENGUPTO, B.SC.(ENG.), M.I.MECH.E., M.I.E.

BUSINESS COLLEGE:

Administrative Staff College of India: Bella Vista, Hyderabad; f. 1957; gives training to senior executives from different spheres of administration and fields of activity, both public and private, for higher management; Principal Shri R. L. GUPTA, I.C.S. (retd.).

SCHOOL OF DRAMATIC ART

National School of Drama and Asian Theatre Institute: Rabindra Bhavan, New Delhi 1; f. 1959; Dir. E. ALKAZI.

EDUCATION

National Institute of Education: New Delhi; f. 1962; to train teaching candidates for M.ED. and PH.D. degrees.

SIKKIM

RESEARCH INSTITUTE

Namgyal Institute of Tibetology: Gangtok; f. 1958; research centre for study of Mahayana (Northern Buddhism); library of Tibetan literature (canonical of all sects and secular) in MSS. and xylographs; museum of icons and art objects; Founder-President H.H. Maharaj Kumar (PALDEN THONDUP NAMGYAL) of Sikkim; Dir. NIRMAL C. SINHA; publs. in Tibetan, Sanskrit and English.

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REPUBLIC OF INDONESIA

Population 97,085,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

General

Madjelis Ilmu Pengetahuan Indonesia (*Council for Sciences of Indonesia*): Medan Merdeka Selatan 11, Djakarta; f. 1956; Pres. Prof. Dr. Sarwono Prawirohardjo; Sec. Prof. M. Nasrun; Chief Asst. to Pres. (Vacant). publs. *Berita M.I.P.I.* (bi-monthly), *Indonesian Abstracts* (quarterly), *Bulletin* (irregular), *Serial Publication* (irregular), *Medan Ilmu Pengetahuan* (quarterly), *National Science Congress Proceedings* (every four years).

Agriculture

Balai Besar Penjelidikan Pertanian (*General Agricultural Research Station*): Dj. Merdeka 99, Bogor; f. 1918; under the Ministry of Agriculture; library of 13,838 vols.; Dir. Ir. Soeharsono; publs. several periodicals.

Consists of the following institutes:

Balai Penjelidikan Tehnik Pertanian (*Institute for Agricultural Research*): Djalan Tjimanggu 1, Bogor; f. 1905; approx. 4,000 vols.; Dir. Nazar Nur.

Balai Penjelidikan Tumbuh 2-an (*Institute for Botanical Research*): Djalan Merdeka 99, Bogor; f. 1905; Dir; R. A. Adisudarma.

Balai Penjelidikan Hama Tumbuh 2-an (*Institute for Plant Diseases and Pests*): Djalan Tjimanggu Ketjil 2, Bogor; f. 1912; Dir. Supartono Siswopranoto.

Balai Penjelidikan Tanah (*Institute for Soil Research*): Djalan Perniagaan 42, Bogor; Dir. Harun al Rasjid Jahja.

Balai Penjelidikan Padi (*Rice Research Institute*): Djalan Tjimanaggu Ketjil, Bogor; f. 1954; Dir. H. Siregar.

Tjabang Makassar (*Makassar Branch*): f. 1947; Dir. J. M. Hutagalung.

Balai Penjelidikan dan Pemakaian Karet (*Institute for Rubber Research and Development*): Djalan Salak 1, Bogor; physical, chemical and technological research on natural rubber, preparation and processing of rubber and development work, including technical service to producers and consumers and training courses; Chair of Managing Board Ng Tet Soei; publs. *Communications, Karet* (Rubber), *Information Sheets, Annual Report.*

Balai Penjelidikan Perusahaan 2 Gula (*Experimental Station of the Sugar Industry*): Djalan Pahlawan 25, Pasuruan; f. 1887; library of 12,000 vols.; Dir. Ir. Han Lioe Hong.

Balai Pusat Penjelidikan Peternakan (*Central Institute for Animal Husbandry*): Djalan Gunung Gede, Bogor; Dir. M. Wardojo.

Consists of the following institutes:

Balai Penjelidikan Bahan Dari Ternak & Perindustriannja (*Research Institute of Animal Husbandry*).

Balai Penjelidikan Kimia Peternakan (*Institute of Chemical Investigation*).

Balai Penjelidikan Makanan Ternak (*Research Institute of Animal Nutrition*).

Balai Penjelidikan Ternak Besar (*Research Institute of Livestock Breeding*).

Balai Penjelidikan Ternak Unggas (*Research Institute of Poultry Breeding*).

Balai Penjelidikan Usaha Peternakan Tani (*Research Institute of Mixed Farming*).

Lembaga Pusat Penjakit Hewan (*Central Veterinary Institute, Ministry of Agriculture*): Djalan Tjimanggu Ketjil 1, Bogor; f. 1908; library of approx. 20,000 vols. and periodicals; Dir. R. Djaenudin.

Comprises the following institutes:

Lembaga Penjakit Menular Akut (*Institute for Acutely Contagious Diseases*): Dir. R. Soetikno.

Lembaga Serologi Penjakit Menular Menahun (*Institute of Serology and Chronologically Contagious Diseases*): Dir. Prof. Moh. Roza.

Lembaga Sera dan Vaccin (*Sera and Vaccine Laboratory*): Dir. R. M. T. Soemanegara.

Lembaga Virologi (*Virus Laboratory*): Dir. R. Koerjana.

Lembaga Bakteriologi (*Bacteriological Institute*): Dir. Dr. R. P. Oetojo.

Lembaga Patologi Dan Parasitologi (*Institute of Pathology and Parasitology*): Dir. Dr. R. Tandjung Adiwinata.

Lembaga Mikologi (*Mycological Institute*): Dir. R. M. Soedono Asmokoesoemo.

Research Institute of the Sumatra Planters' Association (RISPA): Kampong, Baru, Medan; f. 1916; Dir. Tan Hong Tong.

Archæology

Dinas Purbakala Republik Indonesia (*Archæological Institute in Indonesia*): Djalan Kimia 12, Djakarta; Dir. R. Soekmono, M.A.; publs. *Laporan Tahunan* (annual), *Prasasti Indonesia* (Inscriptions of Indonesia), *Berita Dinas Purbakala, Amerta.*

Astronomy, Meteorology

Astronomical Association of Indonesia: Djalan Lembong 14, Bandung; f. 1920; to promote the advancement of astronomical science; Pres. Prof. H. Th. M. Leeman; Dir. Astronomical Observatory Prof. Dr. G. B. van Albada; Sec. and Treas. H. Th. Mulié.

Observatorium Bosscha (*Bosscha Observatory*): Lembang; since 1958 the observatory has been part of the Institute of Technology, Bandung; Dir. Dr. Pik-Sin The; publs. *Annals of the Bosscha Observatory* (irregular), *Contributions from the Bosscha Observatory* (irregular), *Annual Report of the Bosscha Observatory.*

Lembaga Meteorologi dan Geofisik (*Meteorological and Geophysical Institute*): Djalan Geredja Inggeris 3, Djakarta; Dir. Ir. Soeroto Mangoensoemarto; publs. various papers.

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CULTURAL RESEARCH, SOCIOLOGY, POLITICS

Asian Regional Institute for School Building Research: Bandung; f. 1962 under UNESCO auspices; serves member states of UNO for educational planning and school building construction matters.

Balai Pengetahuan Umum Bandung (*Popular Science Society*): Volksuniversiteit, Djalan Merdeka 27, Bandung; f. 1946; to promote the cultural development of Indonesia; Pres. Prof. Dr. L. VAN DER PIJL; Vice-Pres. Prof. Dr. C. O. SCHAEFFER; Sec. F. J. SUYDERHOUD.

British Council: Main Office: Medan Merdeka Barat 2, Djakarta; Regional Dir J. F. H. VILLIERS; Rep. H. T. LAWRENCE, O.B.E.; Librarian M. NOBLE, F.L.A.; Regional Office: Djalan Dago 113, Bandung.

Indonesian Institute of World Affairs: c/o University of Indonesia, Djakarta; Chair. Prof. SUPOMO; Sec. Mr. SUDJATMOKO.

Jajasan Kerdja-Sama Kebudajaan (*Foundation for Cultural Co-operation*): Djalan Gadjah Mada 13, Bandung; to promote co-operation and mutual understanding between the countries of Western Europe and Indonesia; Rep. for Indonesia A. KOOLHAAS.

Lembaga Kebudajaan Indonesia (*Institute for Indonesian Culture*): Medan Merdeka Barat 12, Djakarta; f. 1778; Pres. Prof. Dr. P. A. HOESEIN DJAJADININGRAT; Vice-Pres. Prof. Dr. R. PRIJONO WINDUWINOTO; Treas. R. A. KADIR WIDJOJOATMODJO; Moh. AMIR SUTAARGA (Actg. Secretary); publs. *Modjalah untuk Ilmu Bahasa, Ilmu Bumidan Kebudajan Indonesia* (Journal for Indonesian Language, Geography and Culture), Yearbook, and other monographs.

Lembaga Bahasa dan Budaja (*Institute for Linguistics and Cultural Research*): Djalan Diponegoro 72, Djakarta; f. 1948; attached to University of Indonesia; scientific research on the languages and culture of Indonesia; departments of lexicography, social anthropology, epigraphy (Bali), dialect study (Lombok), socio-ethnography (Macassar); library of about 2,000 vols.; Actg. Dir. HOESEIN DJAJADININGRAT.

Lembaga Pers Dan Pendapat Umum (*Press and Public Opinion Institute, Ministry of Information*): Pegangsaan Timur 19 B, Djakarta; f. 1953; audience research of press, film and radio; library of approx. 4,500 vols.; Dir. Dr. MARBANGUN.

U.S. Information Centers: Djalan Segara No. 7c, Djakarta; also at Jogjakarta, Medan, Surabaja, Makassar.

ENGINEERING

Jajasan Dana Normalisasi Indonesia (*Indonesian Standards Institution*): Djl. Braga 38, (Atas) Bandung.

Lembaga Ukur (*Research Institute of Measurements*): Djalan Pasteur 6, Bandung; Dir. A. N. DOM.

Panitia Induk Untuk Meter Dan Kilogram (*Institute of Standards*): Djalan Pasteur 6, Bandung; Sec. A. N. DOM.

Persatuan Insinjur Indonesia (*Indonesian Society of Engineers*): Taman Djatibaru 1, Djakarta; Chair. Ir. R. H. DJUANDA; Sec. Ir. R. S. DANUNAGORO.

FORESTRY

Chemical Technology of Forest Products Research Institute: Divisions of Chemical Wood Technology, Forest Products other than Wood, Pulp Paper and Board; Dir. M. TJAHRO NOERKAMAL.

Forest Labour and Equipment Research Institute: Divisions of Forest Labour, Forest Tools and Machinery, Economics of Forest Operations, Forest Exploitation; Dir. SANJOTO.

Forest Products Research Institute: Divisions of Wood Anatomy, Wood Mechanics and Constructions, Improvement of Wood, Plywood, Forest Products other than Wood; Dir. R. NIZAR KAMIL.

Forest Research Institute: Divisions of Forest Botany, Silvics, Experimental Plantations, Silviculture, Forest Mensuration and Valuation, Forest Pests and Diseases, Forest Influences; Dir. R. SOEDIARTO WARSOPRANOTO, M.SC.

GEOGRAPHY, GEOLOGY, HYDROLOGY

Balai Fotogrametri (*Institute of Photogrammetry, Ministry of Defence*): Djalan Gunung Sahari 90, Djakarta; f. 1937; research on problems relative to photogrammetry, aerotriangulization, topographical maps, etc.; library of approx. 1,500 books and periodicals; Head, Major R. E. BEAUPAIN.

Balai Geodesi Direktorat Topografi Angkatan Darat (*Geodetical Institute, Directorate of Topography, Ministry of Defence*): Djalan Bangka 2, Bandung; f. 1855; approx. 2,000 vols.; 2,500 periodicals; Dir. J. SOENARJO.

Balai Hidrologi dan Hidrometri (*Institute for Hydrology and Hydrometry, Ministry of Public Works*); Djalan Tjiandjur 4, Bandung; f. 1946; Dir. Ir. W. S. SRIMOERNI DAELHOMID.

Balai Penjelidikan Masalah Air dan Hidrologi (*Institute of Hydraulic Research and Hydrology*): Djalan Ganeça 10, Bandung; Dir. Ir. Nj. W. S. SRIMOERNI DOELHOMID.

Dinas Geografi Direktorat Topografi A.D. (*Geographical Institute*): Djalan Dr. Wahidin 1/11, Djakarta; Dir. Lt.-Col. AZWAR HAMID.

Direktorat Geologi (*Geological Survey of Indonesia*): Djalan Diponegoro 57, Bandung; f. 1850; Dir. SEOTARJO SIGIT; publs. *Publikasi Keilmuan* (Geological and Palaeontological Papers), *Publikasi Teknik* (Technical Papers), *Volkanologi Berita Berkala* (Vulcanology Bulletin), Maps, Reports and Special Publications).

Djawatan Hidrograti Angkaton Laut (*Naval Hydrographic Service*): Djalan Banda 6, Tadjung Priok, Djakarta; f. 1947; hydrographical survey of Indonesia; Dir. TARDANA SURAHARDJA (hydrographer).

Lembaga Meteorologi dan Geofisik (*Meteorological and Geophysical Institute*): Djalan Geredja Inggeris 3, Djakarta; Dir. Ir. R. GOENARSO; publs. various papers.

INDUSTRIAL TECHNOLOGY

Balai Penjelidikan Bahan-Bahan (*Materials Testing Institute*): Djalan Ganeca 10, Bandung; f. 1912; library; Dir. SUMANTRI.

Balai Penjelidikan Batik (*Batik Research Institute, Ministry of Industry*): 2 Kusumanogara, Jogjakarta; Dir. SUPARMAN HADISUMARTO.

Balai Penjelidikan Industri (*Industrial Development Institute*): Djalan Karanganjar 55, Djakarta; Dir. A. PAMUNTJAK.

Balai Penjelidikan Keramik (*Institute for Ceramic Research, Ministry of Industry*): Djalan Raya Timur 322, Bandung; f. 1920; Dir. R. SUPAR TIRTARANA.

Balai Penjelidikan Kulit (*Leather Research Institute, Ministry of Industry*): Tugu Kulon 101, Jogjakarta; f. 1931, Dir. R. A. PARTUSTI SUDIBJO.

Balai Penjelidikan Tekstil (*Institute for Textile Research*): Djalan Raya Timur 318, Bandung; f. 1922; Dir. Ir. SOEGITO.

Lembaga Penjelidikan Masalah Bangunan 2 (*Regional Housing Centre*): Djalan Tamansari 124, Bandung; f. 1955; library of 5,514 vols.; Dir. Ir. C. LIM KHAISHA.

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Lembaga Penjelidikan dan Pertjobaan Materiil Angkatan Darat (*Military Laboratory for Research and Testing Material, Ministry of Defence*): Djalan Ternate 6-8, Bandung; f. 1865; library of 1,500 vols.; Dir. Lt.-Col. R. MASJHOER.

LAW, ADMINISTRATION

Lembaga Administrasi Negara (*National Institute of Public Administration*): Djalan Segara 10, Djakarta; Dir. PRAJUDI ATMOSUDIRJO; library 1,000 vols.

Lembaga Kriminologi (*Institute of Criminology*): Faculty of Law and Social Sciences, University of Indonesia; Dir. SOEBEKTI.

Lembaga Penjelidikan Hukum (*Institute for Law Research*): Faculty of Law and Social Sciences, Hasanuddin University, Makassar; library 15,000 vols. and 2,000 periodicals.

MEDICINE, PUBLIC HEALTH

Central Institute for Leprosy Research: Djalan Kimia 17, Djakarta; f. 1935; Institute includes a clinic and laboratory; Dir. MOH. ARIF.

Ikatan Dokter Indonesia (*Indonesian Medical Association*): Djalan Dr. Sam Ratulangi 29, Djakarta; f. 1950; 1,522 mems.; Pres. Dr. R. PIRNGADI; Sec. Dr. T. KARIMOEDIN; publ. *Madjalah Kedokteran Indonesia* (monthly).

Laboratorium Kesehatan Daerah (*Pathological Laboratory, Ministry of Health*): Djalan Laboratorium 5, Medan; f. 1906; investigation and control of contagious and endemic diseases in Sumatra; approx. 3,000 vols.; Dir. Dr. ISKAK KOIMAN.

Laboratorium Kesehatan Pusat Lembaga Eykman (*Eykman Institute*): Djalan Diponegoro 69, Djakarta; f. 1888; Head Dr. HENDRO JOEWONO; bacteriological-serological department, chemical department and virus division; publs. Reports, Papers.

Lembaga Farmakoterapi (*Institute of Pharmacotherapy, Ministry of Health*): Djl. Pertjetakan Negara 1, Djakarta; f. 1955; special research of Indonesian medicinal plants; Dir. Dr. R. HARTONO WIGNJODISASTRO.

Lembaga Hygiene Angkatan Darat (*Institute of Military Hygiene of the Indonesian Army*): Djalan Dr. Abdulrachman Saleh 20, Djakarta; f. 1936; Dir. Dr. R. AZIL WIDJAJAKUSUMA (bacteriologist).

Lembaga Kesehatan Teknik (*Institute for Technical Hygiene Department of Public Health*): Djalan Ganeça 10, Bandung; f. 1920; Dir. Ir. TAN TJENG GIOK.

Lembaga Makanan Rakjat (*Nutrition Institute*): Djalan Diponegoro 69, Djakarta; f. 1937; Dir. Dradjat D. PRAWIRA-NEGARA.

Lembaga Malaria (*Malaria Institute, Ministry of Health*): Djalan Kwini No. 7, Djakarta; f. 1920; Dir. Dr. H. T. SOEPARMO.

Lembaga Penjelidikan Teknologi Makanan (*Food Technology Research Institute*): Pasarminggu, Djakarta; re-organised 1961; library 2,000 vols.; Dir. SUNARDJO ATMODIPURWO, Dep. Dir. HARSONO HARDJOHUTOMO.

Perusahaan Negara "Pasteur" (*Pasteur Institute*): Djalan Pasteur 9, Bandung; Dir. Dr. SOEMIATNO.

Pusat Ponjolidikan dan Pemberantqsan Penjakit Kolamin (*Venereal Diseases Research Institute, Ministry of Health*): Djalan Indrapura, Surabaja; f. 1951; Dir. Dr. R. WASITO.

MINERALOGY

Djawatan Pertambangan (*Institute of Mining*): 8 Djalan Gadjah Mada 8, Djakarta; f. 1850; Dir. Ir. SOERODJO RANOEKOESOEMO; Vice-Dir. S. M. SAIR.

NATURAL SCIENCES

Balai Punelitian Kimia (*Institute of Chemical Research*): Djalan Pernaigaan 5, Bogor; f. 1909; approx. 10,000 books, 12,000 periodicals; Dir. M. KUSTIJO PARTOWISASTRO.

Lembaga Pusat Penjelidikan Alam (*Central Institute for Nature Research*): Kebun Raya Indonesia, Bogor; f. 1817; Dir. SADIKIN SUMINTAWIKARTA.

Lembaga Botani Umum 'Treub' ('*Treub*' *Laboratory*): Kebun Raya, Bogor; f. 1884; research in general botany; Dir. SUTOMO SUROHALDOKO; publ. *Annales Bogorienses*.

Herbarium Bogoriense: Djalan Raya 21-22, Bogor; f. 1917; study of the flora of the Malesian Area; Dir. ANWARI DILMY; publ. *Reinwardtia*.

Hortus Botanicus Bogoriensis: Kebun Raya, Bogor; f. 1817; Curator SUDJANA KASSAN.

Museum Zoologicum Bogoriense: Djalan Perniagaan, Bogor; f. 1894; investigation of Indonesian fauna; Actg. Dir. SAMPURNO KADARSAN; publ. *Treubia*.

Lembaga Pengawetan Alam (*Institute for Nature Conservation*): Djalan Pledang 30, Bogor; f. 1937; Dir. I. MADE TAMAN.

Lembaga Penjelidikan Laut (*Institute for Marine Research*): Pasar Ikan, Djakarta Kota; f. 1904; Dir. GATOT RAHARDJO; publ. *Marine Research in Indonesia*.

Perhimpunan Ilmu Alam Indonesia (*Indonesian Society for Natural Science*): Djalan Surapahi 1, Bandung; formerly Koninklijke Natuurkundige Verniging; Chair. Prof. H. TH. M. LEEMAN; Sec. Prof. TH. F. KLOMPE; publ. *Madjalah Ilmu Alam Indonesia* (Indonesian Journal of Natural Science).

Perkumpulan Penggemar Alam di Indonesia (*Society of Natural History in Indonesia*): Herbarium, Bogoriense, Bogor (Botanic Gardens); f. 1911, re-established 1948; Pres.—Mr. HASANUDDIN SAANIN; Sec. Mr. I. MADE TAMAN; *c.* 800 mems.; publs. *Mededelingenblad van de Natuurhistorische Vereniging in Indonesie* (1948-52), *De Tropische Natuur, Penggemar Alam* (Vols. 34, etc.).

STATISTICS

Biro Pusat Statistik (*Central Bureau of Statistics*): Djalan Dr. Sutomo 7, Djakarta; f. 1925; library; Dir. SARBINI SUMAWINATA, M.A.

LIBRARIES AND ARCHIVES

Bandung

Perpustakaan Balai Penjelidikan Bahan-Bahan (*Library of Materials Testing Institute*): Djalan Ganeca 10; f. 1912; 3,000 vols.; Librarian Mrs. UNEPUTY COEN.

Perpustakaan Djawatan Geologi (*Library of the Geological Survey*): Djalan Diponegoro 57; 30,000 vols.; Librarian S. KARTOKOESOEMO.

Perpustakaan Universitas Padjadjaran (*Library of Padjadjaran University*): Djalan Dipati Ukur 37; f. 1957; 74,000 vols.; Librarian Dr. TAN FAY TJHONG.

Pusat Perpustakaan Angkatan Darat (*Central Military Library*): Djalan Belitung 6; 36,000 vols. in Central Library, and about 20,000 vols. in departmental, territorial and college and office libraries; Dir. Lt.-Col. R. P. S. TJOKROHATMODJO.

Pusat Perpustakaan Institut Teknologi Bandung (*Central Library, Institute of Technology*): Djalan Ganeça 10; 70,000 vols., periodicals; 500 subscriptions, 13,000 bound vols.; Librarian KIAGUS ANWAR SAMAN.

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Bogor

Bibliotheca Bogoriensis (*Central Library for Natural Science*): Djalan Raya 20; f. 1842; 152,000 vols.; Librarian Mrs. P. SAHERTIAN-BAKHOVEN.

Djakarta

Arsip Nasional Republik Indonesia (*National Archives*): Djalan Gadjah Mada 111; f. 1892; Head Dr. R. MOH. ALI.

Central Library of the Department of Information: Medan Merdeka Barat 9; specialises in mass communication social and political subjects, and supplies regional branch offices; press-cutting service from Indonesian newspapers since 1950; temporarily acting as Exchange Centre for government publications and official documents.

Library of Political and Social History: Medan Merdeka Seletan 11; f. 1952; 40,000 vols.; includes the National Bibliographic Centre; deposit library; Librarian Miss RUSINA PAMUNTJAK, M.A.; publ. *Berita Bulanan* (Monthly Bulletin), *Regional Bibliography of Social Sciences, Publications—Indonesia, Checklist of Serials in the Libraries of Indonesia.*

Perpustakaan Biro Pusat Statistik (*Library of Central Bureau of Statistics*): Djalan Dr. Sutomo 7; 85,000 vols.; Librarian J. MALIK.

Perpustakaan Fakultet Hukum (*Library of the Faculty of Law*): Universitet Indonesia, Salemba 4; 20,000 vols.; Librarian Drs. A. J. BLOEMEN.

Perpustakaan Fakultas Sastra (*Library of Faculty of Arts*): Universitas Indonesia, P.O. Box 247, Rawamangun, Djakarta; 24,000 vols.

Perpustakaan Kementerian Perekonomian (*Library of the Ministry of Economic Affairs*): Djalan Gadjah Mada 1; Librarian J. M. SPIER.

Perpustakaan Laboratorium Kesehatan Pusat Lembaga Eijkman (*Library of the Eijkman Institute*): Djalan Diponegoro 69; 25,000 vols., periodicals, etc.; Librarian W. RAPPA.

Perpustakaan Museum Pusat, Djawatan Kebudajaan (*Library of the Central Museum, Cultural Service*): Medan Merdeka Barat 12; f. 1778; 250,000 vols., 500 MSS.; Librarian: (Vacant).

Tman Batjaan dan Perpustakaan Umum (*Public Library, Djakarta*): Dj. Budi Kemuliaan 3; 42,300 vols.; Librarian Miss A. J. MOERKERCKEN VAN DER MEULEN; this library has seven branches.

Jogjakarta

Perpustakaan Islam (*Islamic Library*): Tugu Kidul 38; f. 1942; is under the Ministry of Religion, 29,000 vols.; MSS. and periodicals; Chief Librarian Prof. H. FARID MA'RUF; Sec., Foreign Relations Dept. A. R.MACHDOEM.

Perpustakaan Jajasan Hatta (*Hatta Foundation Library*): Malioboro 85; 43,000 vols.; Librarian R. PATAH.

Perpustakaan Negara (*State Library*): Malioboro 175; f. 1949; 70,000 vols.; Librarian DJAJOESMAN.

MUSEUMS

Museum Lembaga Kebudajaan Indonesia (*Museum of the Institute for Indonesian Culture*): Medan Merdeka Barat 12, Djakarta; f. 1778; Curators and Assistants ABU RIDHO (Department of Archæology and Ceramics), M. SUMARJO (Department of Ethnography), R. P. SUJONO (Department of Prehistory), Dr. R. B. SLAMET MULJONO (MSS. collection); Miss TJOA LIAN KHENG NIO (Librarian).

Museuf Zoologicum Bogoriense: Djalan Perniagaan 38; f. 1894; Dir. SAMPURNO KADARSAN; publ. *Treubia* (25 vols., and 7 supplements have appeared since 1919).

Pusat Pendidikan Umum Untuk Kebudajaan (*Cultural Centre for Public Instruction*): Djalan Pemuda 3, Surabaja; f. 1933; educational exhibitions; courses in scientific subjects; library of 3,000 vols.; Man. G. H. VON FABER; publ. *Gong* (monthly).

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STATE UNIVERSITIES

UNIVERSITAS AIRLANGGA
(Airlangga University)
SURABAJA, JAVA
Founded 1954.

The University comprises a Teachers' Higher Training College in Malang; three Faculties in Surabaja; the Faculty of Medicine, the Faculty of Dental Surgery and the Faculty of Law; the Faculty of Letters in Denpasar (on the Island of Bali); other Faculties are to be established.

President: Prof. Dr. MOHAMMAD TOHA.
Secretary: Drs. I. SUMARSONO.

DEANS:

Faculty of Medicine: Prof. Dr. J. C. KAPITAN.
Faculty of Dentistry: Prof. M. SOETOJO.
Faculty of Law: Prof. BOEDISOESETYA.
Faculty of Letters: Prof. Dr. PURBATJARAKA.
Teachers' College: Prof. KOENTJORONINGRAT POERBOPRANOTO.

UNIVERSITAS ANDALAS
(Andalas University)
DJALAN IMAM BONDJOL 156, PADANG, WEST SUMATRA
Telephone: 520
Founded 1956

Rector: Prof. Dr. A. ROESMA.
Registrar: AZRIL MUNZIL, LL.M.
Librarian: M. DJUNID H. SULAIMAN.

Number of teachers: 265.
Number of students: 3,924.

DEANS:

Faculty of Law and Social Sciences: SUTAN HARUM AL RASJID.
Faculty of Education and Teachers' Training: R. M. EDDY AZHARI (Acting).
Faculty of Agriculture: Eng. SOEKISNO HADIKUMORO (Acting).
Faculty of Medicine: Prof. R. SOELEIMAN SASTRAWINATA.
Faculty of Mathematics and Natural Sciences: Eng. SOEKISNO HADIKUMORO (Acting).
Faculty of Economics: Dr. BURHAN RASJID (Acting).

PROFESSORS:

AL RASJID, S. H. (Criminal Law).
ROESMA, A. (Chemistry).
SOELEIMAN SASTRAWINATA, R. (Gynæcology).
TJIANG, L. G. (Physiology).

UNIVERSITAS GADJAH MADA
(Gadjah Mada University)
BULAKSUMUR, JOGJAKARTA
Telephone: 1212-5
Telegraphic Address: Ungam, Jogjakarta
Founded 1949

President: Dr. HARJONO JOHANNES.
Secretary of Administration: ALI AFANDI.

Number of teachers: 1,400 (180 part-time).
Number of students: 13,780.

DEANS:

Faculty of Medicine: D. RADIOPUTRO.
Faculty of Pharmacy: Drs. SARDJONO.
Faculty of Dentistry: S. SUDOMO.
Faculty of Engineering: Ir. SUNARJO.
Faculty of Law: M. M. DJOJODIGOENO.
Faculty of Economics: M. KERTONEGORA.
Faculty of Social and Political Sciences: M. SUMPONO.
Faculty of Pedagogy: M. BRODJONEGORO.
Faculty of Arts and Letters: S. SOEMOWIDAGDO.
Faculty of Agriculture: Ir. HARJONO DANOESASTRO.
Faculty of Veterinary Science: Drs. SOEPARWI.
Faculty of Biology: Drs. RADIOPOETRO.
Faculty of Mathematics and Natural Sciences: H. JOHANNES.

UNIVERSITAS HASANUDDIN
(Hasanuddin University)
DJALAN MESDJID RAYA, MAKASSAR
Telephone: 2421
Telegraphic Address: UNHAS
Founded 1949

President: ARNOLD MONONUTU.

Number of teachers: 123, including 25 professors.
Number of students: 1,800.

DEANS:

Faculty of Law and Social Science: Prof. Mr. St. MOHAMMAD SJAH.
Faculty of Economics: Drs. ABD. HAFID.
Faculty of Education: (Vacant).
Faculty of Medicine: Dr. MA' ROEF.
Faculty of Engineering: ARNOLD MONONUTU, Ir. PONGREKUN.
Faculty of Letters: Prof. Dr. Ph. O. L. TOBING.

UNIVERSITET INDONESIA
(University of Indonesia)
DJALAN SALEMBA 4, DJAKARTA, JAVA
Telephone: Djatinegara 930
Founded 1950.

President: Prof. Dr. S. THAJEB.
Secretary: SOEGIANTO DJOJONINGRAT.

Number of students: 14,521.

The main part of the University is at Djakarta. There are other Faculties at Bandung and Bogor.

DEANS:

Djakarta

Faculty of Medicine: Dr. M. SOEKARJO.
Faculty of Law and Social Sciences: S. HADINOTO.
Faculty of Letters: Dr. TJAN TJOE SIEM.
Faculty of Economics: Dr. DJOKOSUTONO.

Bandung

Faculty of Mathematics and Natural Sciences: H. TH. M. LEEMAN, M.SC.
Faculty of Technical Science: Prof. SOETEDJO.

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Bogor

Faculty of Veterinary Science: f. 1947; Prof. R. SUTISNO FUESPONEGORO.
Faculty of Agricultural Sciences: Prof. Ir. SOEBIARTO.

UNIVERSITAS NEGERI PADJADJARAN
(Padjadjaran State University)

DJALAN DIPATI UKUR 37, BANDUNG, JAVA
Telephone: 8241/4

Founded 1957

President: Prof. Dr. R. G. SOERIA SOEMANTRI, M.P.H., F.A.C.D., M.R.S.H.
First Vice-President: Maj.-Gen. Prof. Dr. R. MOESTOPO.
Second Vice-President and Secretary: Prof. M. A. GAZALI SOERIANATASOEDJANA, M.A.
Third Vice-President: Dr. R. MUCHTAR AFFANDI.
Librarian: Dr. TAN FAY TJHONG.

Number of professors: 15.
Number of students: 8,350 men, 3,230 women, total 11,580.
Publications: *Padjadjaran* (quarterly of the Faculties of Law, Economics and Political Science), *Sumbangsih* (Journal of the Faculty of General Education).

DEANS:

Faculty of Medicine: Dr. HASAN SADIKIN.
Faculty of Dentistry: Prof. Dr. R. G. SOERIA SOEMANTRI, M.P.H., F.A.C.D., M.R.S.H.
Faculty of Science: R. DJOHARI WIRAATMADJA, M.SC.
Faculty of Agriculture: Prof. Dr. R. BACHTIAR RIVAI.
Faculty of Political Science: Prof. R. IWA KUSUMA SUMANTRI, S.H.
Faculty of Economics: Prof. Dr. KABULLAH WIDJAJAAMIARSA.
Faculty of Arts: Dr. HARSOJO.
Faculty of General Education: Prof. M. A. GAZALI SOERIANATASOEDJANA, M.A.
Faculty of Physical Education: R. DJUSAR KARTASUBRATA.
Faculty of Technical Education: HADIS SOEMANTRI.
Faculty of Psychology: Brig.-Gen. Prof. Dr. R. SOEMANTRI HARDJOPRAKOSO.
Faculty of Law: (Vacant).

ATTACHED COLLEGES AND INSTITUTES

Faculty of Political Science: Tasikmalaja, Priangan Timur, West Java; Dean Prof. Dr. KABULLAH WIDJAJAAMIARSA.

Faculty of Publicity and Journalism: Djalan Dipati Ukur 37, Bandung, Java; Dir. Maj.-Gen. Prof. Dr. R. MOESTOPO.

Institute of Education Research: Djalan Dr. Seryabudhi Km. 8, Bandung; Dir. Dr. W. A. GERUNGAN.

Institute of Social Research: Dir. USEP RANAWIDJAJA, S.H.

Institute for Research into Teaching Methods. Dir. R. A. SANTOSO, M.SC.(ED.).

Institute for Curriculum Planning: Dir. S. NASUTION, M.A.

Institute for Science Teaching: Dir. Dr. LIEM TIK LIEM.

Institute of Natural Sciences (Faculty of Science): Dir. Prof. Dr. R. MOESTOPO.

HEADS OF DEPARTMENTS:

DARWIS (Animal Husbandry).
DE NEVE, G. A. (Geological Research).
HAHN, A. M. (Chemical Research).
MANSUR, M. (Botanical and Zoological Research).
MOESTOPO, R. (Metal and Instrument Research).
SAN, PHOA HOK (Pharmaceutical Research).

UNIVERSITET SUMATERA UTARA
(University of North Sumatra)

DJALAN UNIVERSITAS 22, MEDAN

Founded 1952

Rector: Prof. AHMAD SOFIAN.

Number of teachers: 153.
Number of students: 3,659.

DEANS:

Faculty of Medicine: Prof. Dr. SOEROSO.
Faculty of Education: Prof. NJONJA A ABAS MANOPPO.
Faculty of Law: Prof. TENGKU DZULKARNAIN.
Faculty of Technology (Engineering): Ir. TARIP HARAHAP.
Faculty of Agriculture: Prof. A. SOFIAN.
Faculty of Economy: Dr. T. ISKANDAR.

INSTITUT TEKNOLOGI BANDUNG
Bandung Technological Institute

DJALAN GANECA 10, BANDUNG, JAVA

Founded 1959

President: Ir. R. O. KOSASIH.
Secretary: Prof. Dr. Ir. R. M. SOEMANTRI.

HEADS OF SCHOOLS:

Chemistry and Biology: Prof. Dr. DJOEHANA WIRADIKARTA.
Mathematics and Physics: Prof. Ir. R. GOENARSO.
Technical Sciences: Prof. Ir. R. SOEMONO.

DEANS OF DEPARTMENTS:

Architecture and Fine Arts: Prof. S. SOEMARDJA.
Astronomy: Dr. The PIK SIN.
Biology: Dr. SOETISNA AMIDJAJA.
Chemical Engineering: Prof. Ir. R. M. SOEMANTRI.
Chemistry: Prof. Dr. R. DJOEHANA WIRADIKARTA.
Civil Engineering: Prof. Ir. HWAN HY KIE.
Electrotechnical Engineering: Prof. Ir. O HONG DJIE.
Geodesy: Prof. Ir. M. SOETOMO WONGSOTJITRO.
Geology: Dr. JOHN KATILI.
Mathematics: Dr. R. MOEDOMO.
Mechanical Engineering: Prof. Dr. Ing. K. W. VOHDIN.
Meteorology and Geophysics: Prof. Ir. R. GOENARSO.
Mining: Prof. Ir. R. SOETEDJO.
Pharmacy: Prof. Dr. H. T. LIEM.
Physical Engineering: Prof. Ir. Go POK OEN.
Physics: Prof. Dr. ONG PING HOK.
Planology (Town Planning): Prof. Ir. R. SOETEDJO.

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PRIVATE UNIVERSITIES

ALDJAMI'ATUL ISLAMIAH AL-INDONESIAH
(Islamic University of Indonesia)

TERBAN TAMAN 14, JOGJAKARTA, JAVA

Telephone: 991

Founded 1945.

An independent and private university with branches in Surakarta and Purwokerto; government subsidised.

Rector Magnificus: Prof. R. H. A. KASMAT BAHUWINANGUN.

Secretary: MOHAMMAD FACHRUR ROZY.

Librarian: (Vacant).

Library: 7,500 vols.
Number of students: 2,500.

DEANS:

Jogjakarta

Faculty of Law: Prof. A. KAHAR MUZAKKIR.

Faculty of Social Economics: Drs. TAMIM BASJUNI.

Faculty of Religion: F. RAHMAN KAFRAWI.

Faculty of Islamic Education: R. DJURBAN WACHID.

Surakarta

Faculty of Law: B. R. H. M. SUMODININGRAT.

Faculty of Social Economics: Drs. K. R. M. A. SOSRODININGRAT.

Faculty of Religion: K. M. IMAM GHOZALI.

Purwokerto

Faculty of Law: Prof. R. MOELJATNO.

PERGURUAN TINGGI 17 AUGUSTUS 1945
(17 August 1945 University)

DJALAN TEUKU TJHIK DITIRO 46, 4th FLOOR
DJAKARTA, JAVA

Telephone: Menteng 157

Founded 1952

President: Prof. Dr. R. ABDULRACHMAN.

Secretary: Prof. ACHMAD SJARIF.

DEANS:

Faculty of Political and Social Sciences, Djakarta: Dr. SLAMET SUDIBYO.

Faculty of Public Administration, Makassar: TJIA KOK TJIANG.

Faculty of Law and Social Sciences, Surakarta: M. SOEWIGNJO.

Academy of Public Administration, Djakarta: Prof. Dr. PRAJUDI ATMOSUDIRDJO.

Academy of Agriculture, Surakarta: Ir. NOERJONO.

Academy of Public and Business Administration, Surabaja: Drs. SOENARKO SETYODARMODJO.

PERGURUAN TINGII KRISTEN INDONESIA
(Christian University of Indonesia)

SALEMBA 10, DJAKARTA

Founded 1946

President: Dr. I. P. SIMANDJUNTAK.

Number of students: 361.

UNIVERSITAS ISLAM SUMATERA UTARA
(Islamic University of North Sumatra)

DJALAN SINGAMANGARADJA, TELADAN,
MEDAN, SUMATRA

Founded 1952

President: MUHAMMAD ROEM.
Secretary: HADJI BAHRUM DJAMIL.

Number of students: 1,000.

Faculties of Islamic Theology, Economics, Islamic Literature, Education, Law and Social Science, Indonesian Literature, English Literature.

UNIVERSITAS KRISNADWIPAJANA
(Krisnadwipajana University)

DJALAN TEGAL 10, DJAKARTA

Telephone: Menteng 139

Founded 1952

President: R. SOEBEKTI.
Secretary: E. DIMONTI.

Faculties of Law, Economics and Business Administration.

UNIVERSITAS NASIONAL
(National University)

KRAMAT RAYA 47, DJAKARTA, JAVA

Founded 1949.

Formerly the National Academy. The University comprises the Faculties of Social Science, Political Economics, Biology, Science, Indonesian and English Literature and Pharmacy.

President: Prof. SUKIRNA.

UNIVERSIATAS SAWERIGADANG
(Sawerigading University)

DJALAN SEMBILAN 24, MAKASSAR

Founded 1945

President: NURUDDIN SJAHADAT.
Secretary: M. DA COSTA.

Faculties of Law, Economics, Commerce, Literature, Engineering, Pharmacy, Agriculture, Education, Public Administration and Journalism.

COLLEGES

Akademi Dinas Luar Negeri (*Academy for the Foreign Service*): Pedjambon 6, Djakarta; f. 1949; government academy, under the Foreign Office; Principal Dr. ACHMAD SUBARDJO; Sec. MUHAMED TAIB; 160 students; 24 lecturers.

Akademi Pernigaan Indonesia (*Indonesian School of Business Administration*): Djalan Tandjong 32B, Djakarta; private foundation sponsored by the government; 300 students; 10 lecturers.

Islamic Theological Institute: Jogjakarta; 16 teachers; 130 students.

National Technical Academy: Djalan Budi Utomo 7, Djakarta; civil and mechanical engineering.

Perguruan-Tinggi Djurnalistik (*Graduate School of Journalism*): 2 Taman Suropati, Djakarta; Pres. Dr. M. K. W. TAMBUNAM.

Sjakhyakirta Trade Academy: Palembang; f. 1955; 80 students (approx.).

Technological Institute of Shipbuilding and Fisheries Training: Amboina, Moluccas; f. 1961.

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IRAN

Population 20,678,000

LEARNED SOCIETIES, PROFESSIONAL ASSOCIATIONS AND RESEARCH INSTITUTES

British Council, The: 58 Avenue Ferdowski, P.O. Box 1589, Teheran; Rep. S. C. G. BACH, O.B.E.; also at Isfahan, Meshed, Shiraz and Tabriz.

British Institute of Persian Studies: 46 K. Khorshid, Kh. Toosi, Maidan-e-Kakh, Teheran, P.O.B. 2617; Dir. DAVID STRONACH.

CENTO Institute of Nuclear Science (CINS): P.O. Box 1828, Teheran; f. 1959; research into the background problems of economic importance to the region, which can be helped by radioisotope applications, in the fields of underground water flow, pest control agriculture, animal nutrition and medicine; Chair. I. H. USMANI.

Doctors' Club of Iran: Teheran; Pres. Prof. H. ADLE.

Goethe Institut: P.O.B. 1895, Teheran; Dir. Dr. EGON DAHINTEN.

Institut Franco-Iranien: 58 ave. Chahpour Ali Réza, P.O. Box 1570, Teheran; Dir. LUCIEN POUËSSEL.

International Scientific Research Institute: P.O. Box 377, Teheran; Dir. MOUSSA HIKMAT, M.D.; publ. *World Science Review* (quarterly, in Persian, Arabic, English), *Papers*.

Iranian Academy, The (*Farhangistan*): c/o The Ministry of Education, Teheran; f. 1935; Pres. The Minister of Education.

Office Culturel d'Autriche: Teheran, P.O.B. 876, Ave. General Zahedi 4, rue Fardis; Dir. Dr. BERNHARD STILLFRIED.

Razi Serological Institute: Hesarak Village; f. 1930; research on human and animal diseases, notably rinderpest and "African Horse Sickness".

Syndicate of Dentists: Teheran; Pres. Dr. M. SAYAH.

Syndicate of Pharmacists: Avenue Hafez, Teheran; Pres. Dr. H. NEZAMI.

LIBRARIES

Abraham Lincoln Library (U.S. Information Service): Ave. Saba, Teheran; f. 1949; 11,000 vols.; Dir. EMMET K. KINNER.

Alborz College Library: Shahreza Ave., Teheran; Dir. H. HUSSEIN ZADEH.

Library of the Archaeological Service: Teheran; f. 1936; *c.* 7,000 vols.; Dir. Mme. S. MOGHADOM; Librarian Mme. F. MEHRAN.

Astaneh Razavy Library: Meshed; Iran from c 15th century; 40,112 vols.; Dir. ABDOLALY OCTAI.

Library of the Audio-Visual Organisation of the Fine Arts: Ave. Kamal-el-Molk, Teheran; f. 1958; 1,300 vols.; Dir. SIMIN NAJOOMI.

Library of the Bank Markazi Iran (*Central Bank of Iran*): Teheran; 36,210 vols.; Librarian: FOROUGH GOWHARIAN.

British Council Library: 38 Avenue Ferdowsi, Teheran; 13,000 vols.; Librarian: MICHAEL F. HOLLOWAY.

Farhang Library: Isfahan; f. 1943; 7,607 vols.; Dir. AHMAD JABBARY KERMANY.

Fars National Library: Ave. Pahlavi, Shiraz; 12,013 vols.; Dir. ALI-AKBER BASSIRY.

Bibliothèque de l'Institut Franco-Iranien: 53 Ave. Chahpour Ali-Reza, Teheran; 13,120 vols.

Imperial Library: Teheran; special collection of precious MSS; Dir. Dr. MEHDI BAYANI.

Library of the Faculty of Law (*Univ. of Teheran*): Ave. Shahreza, Teheran; 17,000 vols.; Dir. M. SABA.

Library of the Faculty of Letters (*Univ. of Teheran*): Ave. Shahreza, Teheran; f. 1932; 80,000 vols.; Dir. HOSSEIN NASR.

Malek Library: Avenue Boozarjomehri, Bazar-e-Beinol-haramein, Teheran; 22,600 vols.; Dir. AHMAD SOHEILY.

Municipal Library: Isfahan; 29,000 vols.

National Library: Ghavamossaltané Street, Teheran; f. 1937; 65,714 vols.; rare Arabic and Persian MSS; Dir.-Gen. EBRAHIM SAFA.

Parliament Library: Ketabkhaneh Majles Showraie Melli, Teheran; f. 1924; 55,000 vols.; Dir. Dr. TAGHI TAFAZZOLI.

Library of the Faculty of Science (*Univ. of Teheran*): Shahreza Ave., Teheran; 19,776 vols.; Dir. Dr. MANOUCHEHR VESSEL.

Tabriz Public Library (*Ketabkhaneh Melli Tabriz*): Ave. Pahlavi, Tabriz; 12,816 vols.; Dir. MAJID FARHANG.

Tarbiat Library: Ave Atesh Neshani, Tabriz; 12,000 vols.; Dir. ABOLHASSAN SAIDY.

University of Meshed Library: Meshed; 20,000 vols.

University of Tabriz Library: Tabriz; 39,000 vols.

MUSEUMS

Archæological Museum: Teheran; f. 1936; antiquities from fifth millennium B.C. to nineteenth century A.D.; Dir. (Vacant).

Armenian Museum: Isfahan; under the supervision of the Gregorian Armenian Cathedral.

Chehel Sotun Museum: Isfahan; Dir. KARIM NIKZAD.

Ethnographical Museum (Muzeye Mardomchenassi): Teheran; f. 1938; Dir. Y. ZOKA.

Golestan Museum: f. 1894; Dir. H. GH. BASSIRI.

Meshed Museum: f. 1945; under the supervision of the Sanctuary of Meshed.

Pars Museum: Shiraz; f. 1938; exhibits include manuscripts, earthenware, ancient coins; Dir. MOHAMMED HOSSEIN ESTAKHR; Curator HASRAT ZADEH SORUDE.

Qum Museum: f. 1936; under the supervision of the Archæological Service; Dir. M. FATEMI.

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UNIVERSITIES

UNIVERSITY OF TEHERAN
(State University)

AVENUE SHAH-REZA

Telephone: 40021, 40031

Founded 1935.

Chancellor: JAHAN S. SALEH, M.D., F.I.C.S., LL.D.(HON.).
Vice-Chancellor for Research and Advanced Study: Dr. ABDOLLAH SHAYBANY.
Vice-Chancellor for Administrative and Financial Affairs: Dr. FERAYDOON FARSHAD.
General Director: Dr. MEHDI KEYNIA.
Director of Department of Publications and Cultural Relations: Dr. HAFEZ-FARMAIAN.

Number of professors: 299.
Number of students: 13,667.

DEANS:

Faculty of Arts and Education: Dr. A. A. SIASSI.
Faculty of Agriculture: Dr. M. H. MAHDAVI ARDABILI.
Faculty of Dentistry: Dr. M. SAYAH.
Faculty of Fine Arts: Arch. H. SAYHOUN.
Faculty of Law: (Vacant).
Faculty of Medicine: Dr. J. SALEH.
Faculty of Pharmacy: Dr. N. SHARGHI.
Faculty of Science: Dr. F. FARSHAD.
Faculty of Technology: Eng. A. RIAZI.
Faculty of Theology: B. FOOROOZANFAR.
Faculty of Veterinary Medicine: Dr. E. ARDALAN.

PROFESSORS:

Faculty of Medicine:

AALAM, Prof. (Oto-Rhino-Laryngology).
ADIB, Dr. M. H. (Legal Medicine).
ADLE, Dr. Y. (Surgery).
AHMADI-SAJJADY, Dr. M. H. (Anatomo-Pathology).
ALAVI, Dr. H. (Ophthalmology).
AMELY, Dr. N. (Neuro-Surgery).
ARMIN, Dr. K. (Anatomo-Pathology).
ASHTIANI, Dr. S. (Hygiene).
AZAR, Dr. M. (Clinical Medicine).
AZIZY, Dr. S. P. (Clinical Medicine).
AZIZY, Dr. Z. (Physics).
BAMSHAD-ALAVY, Dr. (Histology).
BASEGHI, Dr. H. (Local Anatomy).
BASTAN, Dr. N. (Clinical Ophthalmology).
BEHESHTY, Dr. M. (General Diseases).
BIJAN, Dr. H.
EGHBAL, Dr. M. (Infectious Diseases).
ETEMADIAN, Dr. N. M. (Odontology and History of Medicine).
FAGHIH, Dr. M. A.
FARHAD, Dr. A. (Physics).
FARZAD, Dr. F. (Internal Diseases).
GANJBAKHSH, Dr. H. (Anatomy).
GHAFFARY, Dr. N. (Zoology).
GHARAGOZLOO, Dr. M. A. (Practical Medicine).
GHARIB, Dr. M. (Pædiatrics).
GOLGOLAB, H. (Vegetal Biology).
GUITY, Dr. N. (Experimental Medicine).
HAFIZY, Dr. M. A. (General Diseases).
HAJIAN JAHROMI, Dr. A.
HAKIM, Dr. M. (Anatomy).
HANJAN, Dr. H. (Surgery).
HASHEMIAN, Dr. H.
HEKMAT, Dr. H. (Anatomy).
KAR, Dr. M. (Histology).
KASSEMY, Dr. N. (General Diseases).
KATOOZIAN, Dr. A.
KAYHANI, Dr. N. (Anatomy).
KOSSARY, Dr. H.
MAJIDI AHI, Dr. A. (Obstetrics).
MALEK, Dr. S. (Urology).
MALEK, Dr. H. GH. (Bacteriology).
MALEKI, Dr. A. (Clinical Radiology).
MALEKI, YAZDI (Dermatology and Venereal Diseases).
MANOOCHEHRI-MOTAMEDY, Dr. A. (Serology).
MANOOCHEHRIAN, Dr. F. (Physics).
MAZAHER, Dr. M.
MESGHALI, Dr. A.
MIRDAMADI, Dr. H. (Serology).
MIRSEPASSY, Dr. A. (Psychosomatic Medicine).
MOADAB NAFFISSI, Dr. A. (Therapeutics).
MOFIDY, Dr. M. H. (Parasitology).
MOJALLAL, Dr. M. (Tropical Diseases).
MOOSAVI GHARAVI, Dr. E.
MOTAZEDY, Dr. F. (Clinical Medicine).
MOSSADEGH, Dr. GH. (Gynæcology).
NAJM-ABADI, Dr. A. (Surgery).
NASROODI, Dr. M. A. (Tuberculosis).
NEMATOELAHI, Dr. E. (Physiology).
OSSANLOO, Dr. S. (Plastic Surgery).
PEZESHKIAN, Dr. A. (Physiology).
POOYA, Dr. Y. (Hematology).
RAFIZADEH, Dr. M.
RAHMATIAN, Dr. H. (Cancerology).
REZAI, Dr. H. (Mental Diseases).
ROWSHANABADY, Dr. H. (Chemistry).
SADAT-AKHAVY, S. M. (Clinical Surgery).
SADIGH, Dr. F. (Hygiene).
SADRI, Dr. M. (Dermatology).
SALEH, Dr. J. (Gynæcology).
SAMIY, Dr. E. (Neurosurgery).
SHAFA, F. (Bacteriology).
SHAFAIY, A. (Histology).
SHAIKH, Dr. GH. R. (Heart Diseases).
SHAMS, Prof. M. GH. (Ophthalmology).
SHAMSA, A. Z. (Pathology).
TABATABAIY, S. M. (Anatomy).
TABATABAIY-NAIYNY, Dr. A. (Oto-Rhino-Laryngology).
TCHEHRAZI, Dr. E. (Psychosomatic Medicine).
VAKILI, Dr. A. (General Diseases).
VARTANI, Dr. A. (Chemistry).
VOSSOUGHY-TEHRANY, Dr. J. (Surgery).
YASSEMI, Dr. H. (Legal Medicine).

Faculty of Arts and Education:

BAYANI, Dr. KH. (General History).
BEENA, Dr. A. A. (History of Iran).
BEHMANESH, A. (History of Ancient Oriental Peoples).
BEHNAM, E. (Archæology).
BROOKHIM, Dr. M.
FALSAFI, N. (History of Iran).
FOROOZANFAR, B. (History of Persian Literature).
GANJI, Dr. M. H. (Physical Geography).
GHOMSHEIY, M. M. (Arabic Language).
GOWHARIN, S. (Persian Language).
HAQNAZARIAN, Dr. O. (German Language and Literature).
HEKMAT, A. A. (History of Religions).
HOMA'I, DJ. (Arabic Rhetoric).
JALALI, Dr. M. (Psychology and Statistics).
KANI, Dr. A. (Modern Systems of Education).
KEYHAN, M. (Geography of Persia).
KHANLARI, Dr. P. (Persian Literature).
KHATIBI, Dr. N. H. (History of the Persian Language).
KIA, Dr. M. S. (Pahlavi Languages).
MAHDAVI, Dr. Y. (Methodology and Modern Philosophy).
MINOOCHEHR, H. (History of Islamic Mysticism).
MOIN, Dr. M. (Persian Literature).
MOJIR-SHEYBANI, Dr. N. (General History).
MOSTAUFI, Dr. AHMAD (Physical Geography).
MUDDAREES-RAZAVI, M. T. (Arabic).
MUQADDAM, Dr. M. (Linguistics, Avesta and Old Persian).
POOREDAVOUD, E. (Avesta).
SADIQI, Dr. GH. H. (Modern Philosophy and Sociology).
SAFA, Dr. Z. (History of Persian Literature).
SEPAHBODY, Dr. I. (French Literature).
SHAFAGH, S. R. Z. (Modern Philosophy).
SIASSI, Dr. A. A. (Psychology).
SOORATGAR, Dr. L. A. (English Language).

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VAZIRI, A. N. (Aesthetics).
YARSHATER, Dr. E. (Avesta, Ancient Persian).

Faculty of Agriculture:
AFSHAR, J. (Zoology and Entomology).
ATA'I, Eng. M. (Principles of Agriculture, Plant Improvement).
BAHRAMI, Dr. T. (Principles of Breeding).
DAVACHI, Dr. Eng. A. (Plant Pest and Disease Control).
ENTEZAM, A. (Geology).
FARZANEH MOAYYAD, Eng. R. (Agricultural Engineering).
FEYLESSOOFEE, Dr. E. (Agricultural Machinery).
GRIST, Eng. R. (Genetics and Biology).
HEJAZEE, R. (Sylviculture).
HOOMAN, Dr. AHMAD (Agricultural Economics and Administration).
KARBASSI, Dr. H. (Agricultural Chemistry).
KHABIRI, Dr. E. (Plant Diseases).
MAHDAVI ARDABILI, Dr. M. H. (Mathematics and Statistics).
MUNAJJEMI, Dr. M. (Meteorology and Physics).
NAJI, Eng. E. (Pedology).
RIAHI, Eng. E. (Rural Industry).
RIAZI ESFAHANI, Dr. E. (Agricultural Industry).
SHARIF KASHANI, Eng. Dj (Fermentative Industry).
SHAYBANY, Eng. H. (Horticulture).
ZAHEDI, Dr. Ismail (Botany).
ZOVEIN, Dr. M. (Hygiene).

Faculty of Fine Arts:
AFTANDILIANS, Eng. F. (Architecture).
DOROODY, A. (Statistics and Resistance of Materials).
FARMANFARMAYAN, A. FIROOZ (Architecture).
GHYAIY SHAMLOO, H. (Architecture).
HEYDERIAN, A. M. (Painting).
KOUROS, GH. R. (Reinforced Concrete).
MOGHADDAM, M. (History of Art).
SEYHOUN, Eng. H. (Architecture).

Faculty of Law:
AFSHAR, Dr. H. (Comparative Civil Law).
ALEMI, Dr. E. KH. (Finance Regulations).
ALI-ABADI, Dr. A. H. (Political Economy).
ALI-ABADI, Dr. M. H. (Money and Bank Management).
ASSADI, M. (English Language).
AZIZI, Dr. M. (Economic Geography).
BAKHTYAR SANJABY, K. (Administrative Law).
EMAMI, Dr. H. (Civil Law).
HEDAYATI, Dr. M. A. (Criminal Law).
HEKMAT, Dr. M. A. (International Political Law).
JAZAERY, SH. (Administrative Law).
KEYHAN, Dr. M. (Economics).
KIAN, Dr. GH. R. (Economics).
MATEEN-DAFTARIS, Dr. A. (Civil and Criminal Law).
MESBAH-ZADEH, Dr. M. (Penal Law).
MESHKAT, M. (Islamic Law).
NASSIRY, M. (Civil Law).
PAD, E. (Penal Private Law).
PIRNYA, Dr. H. (Financial Law and Political Economy).
POOR-HOMAYOON, Dr. A. A. (Political Economy).
RAFATI-AFSHAR, H. (English Language).
SABA, M. (Statistics).
SALEH, A-P. (English Literature).
SANGLAJI, M. (Islamic Law).
SARDARI, R. GH. (Constitutional Law).
SEPAHBODI, Dr. I. (French Language).
SHAHABI, M. (Islamic Law).
SOTOODEH, Dr. H. (Political History).

Faculty of Dentistry:
ASHRAFY, Dr. A. (Dental Anatomy).
EMAMY, A. (Internal Diseases).
FARZIN, Dr. F. (Dental Diagnostics).
HAROTOONIAN, A. (Radiology).
MAHDAVY, H. (Surgery).
MEHRAN, Dr. M. R. (Mouth and Tooth Surgery).
RIAZ, H. (Orthodontics).
SARKHOSH, H. (Dentistry).
SAYAH, M. (Mouth Diseases).
VAJED SAMIY, N. (Therapeutics).

Faculty of Pharmacy:
AALAM, F. (Feeding Materials).
ANGAJEE, S. E. (Biochemistry).
ATABAKHSH (Toxicology).
GHADERYNEJAD, R. (Chemical Medicine).
GHARIB, A. (Physics).
GOLGOLAB, H. (Vegetal Biology).
HOVAKIMIAN, G. (Biochemistry).
JONEYDY, M.-J. (Hydrology).
MEFTAH, N. (Botany).
MOGHADDAM, S. (Galenic Medicine).
MONIRI, Dr. M. (Analytic Chemistry).
NAMDAR, M. (Materia Medica).
NEZAMY, H. (Pharmacodynamics).
SHAHROKH, M. (Materia Medica).
SHARGHY, N. (Organic Chemistry).

Faculty of Science:
ABDOH, Dr. Y. (General Organic Chemistry).
AFSHAR, Dr. H. K. (Geophysics).
AFZALIPOOR, Dr. A. (Calculus of Probability).
AHMAD-VAZIRI, Dr. A. (Fluid Mechanics).
ALEBOOYEH, Dr. A. (Geometry).
AZAD, Dr. A. A. (Nuclear Physics).
AZADI-AFSHAR, Dr. F. (General and Mineral Chemistry).
BARKESHLY, Dr. M. (Physics).
BEHFUROOZ, Dr. A. (Analytical Geometry).
DJANAB, Dr. KAMAL (Mechanical Physics).
FARSHAD, Dr. F.
FATEMI, Prof. T.
HASHTROODI, Dr. M. (Analytical Mechanics).
HESSABI, Dr. M. (Optics).
HOORFAR, Dr. T. (Cosmography).
ISMAIL-BEIGI, Dr. Z. (Acoustics).
IZADI, Dr. J. (Biology).
IZADIAN, Dr. H.
KAMKAR-PARSI, Dr. M. (General Mathematics).
KHABIRI, Dr. E. (Botany).
KHAMSAVI, Dr. A. A. (Applied Mechanics).
MAHMOODIAN, Dr. M. B. (Atmospheric Physics).
MOSTAFAVI-RAJALI, Dr. M. R. (Palæntology).
PARIMAN, Dr. A. A. (Analytical Chemistry).
PARSA, Dr. A. (Botany).
RADFAR, Dr. GH. R. (Industrial Chemistry).
RIAZI-KERMANI, Dr. A. (Astronomy).
ROWSHAN-ZAER, Dr. A. (Thermodynamics).
SHAYBANY, Dr. A. (Physiology).
SHAIKH, Dr. A. (Organic Chemistry).
SHIRVANI, Dr. F. (Chemistry).
SHIRVANI, Dr. F. (Chemistry).
TAGHAVI, Dr. H. (Biological Chemistry).
TAVASSOLI, Dr. A. A. (Physical Chemistry).
VAHDATI, Dr. A. (General Mathematics).
VESSAL, Dr. M. (Differential and Integral Calculus).
ZAHEDY, Dr. E. (Vegetal Biology).

Faculty of Technology:
AALAM, Eng. A. (Civil Engineering).
ABEDI, Dr. R. (Organic Chemistry).
ARBABY, Eng. A.-A. (Railway Construction).
ASFIA, Eng. M. S. (Geology).
ASSAR, Eng. J. (Analytical Geometry).
BAZARGAN-DILMAGHANI, Dr. GH. A. (Physical Chemistry).
BEHNIA, Eng. A. (Marine Construction).
GANJEI, Eng. R.
GHASSEMI, Eng. M. (Industrial Chemistry).
GHAZVINIAN, Eng. A. (Textile and Industrial Ceramics).
HAMI, Eng. A. (Surface Construction).
HABIBI, Eng. K.
HOSSEINY, Eng. K. (Geophysics).
JAFROODI, Eng. K. (Surveying and Marine Works).
KHALILI, Eng. A. H. (Building Construction).
MAHMOODI, Eng. (Mining).
MASHAYEKHI, Eng. A. (Railroad Traction).
MIR-AFZALI, Eng. A. (Economical Geology).
MOHAMMAD-ZADEH FARHAN, Dr. (Chemical Thermodynamics).
MOJTAHEDI, Dr. M. A. (Analysis and Algebra).
MORSHAD-ZADEH, Dr. R. (Telegraphy).
MOSHIRI, Eng. M. A. (General Electrotechnics).
MOTAMEDI, Eng. M. (Mineralogy).
MOZAFFARI-ZANGANEH, Eng. M. (Transmission of Electricity).
NIKOO, Eng. K. (Tool-Making Machines).
PIRNIA, Dr. H. (Economics).
RAHIMI-GHAJAR, Dr. N. G. (Low-Tension Electricity).
RAHMATI, Dr. M. A. (Organic Chemistry).
RAKHSHANI, Eng. M. (Chemical Technology).
RIAZI, Eng. A. (Hydraulics).
RIAZI, Dr. M. (Mechanics).

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SADAT-AGHILI, Dr. A. (Geometry).
SAFARI, Eng. E. (Physics).
SAFAVI, Dr. R. (Biochemistry).
SAIDI, Eng. A. (Chemistry).
SHAMS MALEK ARA, Eng. I.
SHAMSY, Dr. Eng. H. (Industrial Electronics).
SHEEDFAR, Dr. Z. (Industrial Law).
TAD, Eng. A. (Industrial Mechanics).
TAVANA, Eng. J. (Oil Exploitation).
YALDA, Dr. A. (General Chemistry).
YEGANEH-HAERI, Dr. HADI (Metallurgy).
ZAD-MARD, Dr. H. (Analytical Chemistry).
ZIAIY, Dr. T. (Geology).

Faculty of Theology:
FOROOZANFAR, B. (Persian Literature).
GOLSHAN EBRAHIMY (History of Nations and Peoples).
HAMIDY, M. (Persian Literature).
MAJIDI-FAYAZ, Dr. A. A. (History of Islam).
MESHKAT, SEYED M. (Koran Studies).
MINOVI, MOJTABA (History of Islam).
MODARESS-RAZAVI, M. T. (Persian Literature).
MOHAMMADI, M. (Arabic Language and Literature).
MOHYEDIN GHOMCHEI-ELAHI, M. (Philosophy, Religious Thought).
MOWLAVY ARABSHAMY, M. B. (Logic).
NAZERZADEH-KERMANI (History of Persian Literature).
RASHED, H. (Philosophy).
SADIGHI, Dr. GH. H. (History of Philosophy).
SHADEMAN, S. F. (History of Islam).
SHAHABI, M. (Logic, Philosophy and Jurisprudence).
SHAYKHOLESLAMY, S. M. (Sunnit Religious Law).
ZARRIN KOOB, A. (Theology and Controversy between different religious sects).
ZOLMADJDEYN, Z. (Islamic Law).

Faculty of Veterinary Medicine:
AGHSA, Dr. M. (Surgery and External Diseases).
ARDELAN, Dr. E. (Food Control).
ATA'I, Dr. A. (Physiology, Pharmacology, and Therapeutics).
AZARM, Dr. E. (General Biology, Zoology and Genetics).
BAEKESHLY, Dr. M. (Physics).
DARVISH, Dr. M. (Botany, Agriculture, and Materia Medica).
KAZEMI, Dr. M. A. (Biological Chemistry and Medical Physics).
MESHKI, Dr. Y. (Internal Diseases of Domestic Animals).
MEYMANDI NEJAD, Dr. M. H. (Veterinary Medicine, Semeiology, Veterinary Law and History).
MIRBABAI, Dr. K. (Anatomy).
PARIMAN, Dr. A. A. (Organic Chemistry).
RAFI'I, Dr. A. (Parasitology, Parasitic Diseases).
RASTEGAR, Dr. REZA (Microbiology and Serotherapy).
SAMARI, Dr. A. M. (Hygiene and Endemic Diseases of Man).
YAZDI-ZADEH, M. (Animal Husbandry, Hygiene and Animal Breeding).

GONDI-SHAPOOR UNIVERSITY
AHWAZ, KHOUZESTAN PROVINCE

Founded 1957

Chancellor: A. A. AMIDE.

Faculty of Agriculture: f. 1955.
Faculty of Medicine: f. 1957.
Petrol Engineering: f. 1939.

UNIVERSITY OF ISFAHAN
ISFAHAN

Telephone: Central 21-20, 21-58, 21-89

Founded 1958

Rector: Dr. M. RIAHI.

Library 22,000 vols.
Number of teachers 92.
Number of students: 1,323.

DEANS:
Faculty of Medicine and Pharmacy: Dr. OWJAND.
Faculty of Letters: Prof. A. FAROUGHY, D.LITT., LL.D.

UNIVERSITY OF MESHED
KYABAN DÂNECHGÂHÉ, MESHED

Founded 1955

Secretary: AZIM OSKOUYAN.

Number of students: 1,100.

DEANS:
Faculty of Medicine: HOSSEYN SAMIRAD.
Faculty of Letters: ALI-AKBAR FAYAZ.
Faculty of Theology: M. ZADEH.

PAHLAVI UNIVERSITY
SHIRAZ

Telephone: Shiraz 2111
Telegraphic Address: Shiraz, Daneshgah

Founded 1948

Chancellor: Dr. LOTFALI SURATGARI.
Vice-Chancellor: Dr. WALTER A. GROVES.
Registrar: HASSAN SADR.
Librarian: Miss P. ETEMADI.

Number of teachers: 120.
Number of students: 1,613.
Publication: *Akhbar Daneshgah Shiraz.*

DEANS:
Faculty of Agriculture: Eng. ZEIN-OL-ABEDIN LASHKARI.
Faculty of Medicine: Dr. ZABIH GHORBAN.
Faculty of Arts and Science: Dr. TORAB BASSIRI.

PROFESSORS:
Faculty of Medicine:
BIDEL, N. (Ophthalmology).
DANA HAERI, K. (Pharmacopeutic Treatment).
DEHGHAN, A. H. (Tropical Diseases).
FARAHMANDFAR, A. GH. (Oto-Rhin-Laryngology).
GHORBAN, Z. (Internal Medicine).
MEHRA, T. (Hygiene).
SADRIEH, M. (Surgery).
SAMIMIAN, M. A. (Endocrinology).
SEHHAT, A. (Internal Medicine).
SEIFI, M. (Gynæcology).
TAFAZZOL, A. (Radiology).
ZIAI, M. (Pædiatrics).

Faculty of Agriculture:
PIROZBAKHT, J. (Agricultural Economics and Co-operatives).

Faculty of Arts and Sciences:
FARZANEH, T. (Physics).
SURATGAR, L. (English and Comparative Literatures).
VESSAL, M. (Mathematics).

UNIVERSITY OF TABRIZ
TABRIZ

Founded 1947.

Rector: Dr. G. A. BAZARGAN.

Number of teachers: 120.
Number of students: 1,482.
The library has 30,000 volumes.

DEANS:
Faculty of Arts: Y. M. NAWABI.
Faculty of Medicine: DJA'FAR DJANCHAHI.
Faculty of Agriculture: Eng. GH. FOTOOHI.
Technical Faculty: Dr. G. A. BAZARGAN.

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COLLEGES

HONAR-SARAYE ALI
(Ecole Professionnelle Supérieure de Téhran)
TEHERAN

Rector: M. Vaziri Elahi, M.SC.
Vice-Chancellor: A. Daraï, B.SC.
Principal: (Vacant).
Treasurer: R. Mahdavi.
Secretary: A. Rahnama.
Registrar: A. Sarrafian.

Number of teachers: 110 approx.
Number of students: 450 approx.
Publication: *Ekhteraat* (Invention), monthly, scientific.

Deans:
Faculty of Chemical Engineering: A. Motamedy, D.SC.
Faculty of Electrical Engineering: M. Sepahi, M.SC.
Faculty of Mechanical Engineering: H. Sina, M.SC.

Abadan Institute of Technology: Abadan; f. 1938; reorganised 1956; undergraduate courses, B.SC. degree in General Engineering, Petroleum Technology, and Business Administration and Accounting; post-graduate courses in Petroleum Technology and Business Administration and Accounting.

Agricultural College: Ahwaz; f. 1956.

Art College: Ahwaz.

Collége des Beaux Arts: Teheran; fine arts, music, drama. dancing.

Military Academy: Teheran.

Polytechnic Institute: Teheran; has 8 departments giving 4-year courses; includes the Institute of Technology and the Higher Institute of Business Education.

Trade School: Shiraz; 39 trades are taught.

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IRAQ

Population 6,637,222

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Al-Kalam Club (*P.E.N. Club*): Baghdad.

American School of Oriental Research: Baghdad; f. 1923, following the foundation of the Jerusalem School; Dir. Prof. E. A. SPEISER; undertakes archæological surveys and excavations of historic sites; aims to make the accumulating material available to international scholarship; publs. *Bulletin*, quarterlies, monographs.

Arid Zone Research Institute: University of Baghdad, Baghdad; f. 1961; six sections: Soil and Geology, Climate and Environment, Use of the Water Resources for Agricultural Purposes, Arid Zone Reclamation Projects, Agricultural Engineering, Arid Land Reform; Dir. ABDUL RASOOL KAMAL AL-DIN, PH.D.

British Council: Rashid Street, Baghdad (P.O.B. 298); Representative D. E. FREAN; also runs Centres of English Studies in Baghdad and Basrah, Kindergarten in Baghdad and Centre in Mosul (temporarily closed).

British School of Archæology in Iraq (Gertrude Bell Memorial): 31-34 Gordon Square, London, W.C.1; f. 1932; Baghdad address: Karradet Mariam; Pres. Rt. Hon. Lord SALTER, P.C., G.B.E., K.C.B.; Joint Dirs.: Prof. D. J. WISEMAN, O.B.E., F.S.A., DAVID OATES, M.A.; publ. Journal *Iraq* (twice annually).

Department of Scientific and Industrial Research: Directorate-General of Industry, Baghdad; f. 1935; staff 42; publ. *Technical Bulletin, Annual Report;* Dir.-Gen. of Industry SHEETH NA'AMANN.

Deutsches Archäologisches Institut (*German Archæological Institute*): Aiwadhiya, Sharia ibn Duraid 135/2/1, Baghdad.

Goethe Institut: c/o German Embassy, P.O.B. 2036, Baghdad; Dir. Dr. JOACHIM WENO.

Instituto Hispano-Arabe de Cultura (*Hispano-Arabic Cultural Institute*): Nidal Street, opposite Saadun Market, Baghdad.

Iraq Academy, Waziriyah, Baghdad; f. 1947 with the aims of maintaining the Arabic language, undertaking research in Arabic history, and the history of Iraq, and encouraging research in the modern arts and sciences; the Academy has Active Members (not exceeding 15 in number), Associate Members, Honorary Members and Corresponding Members; the last two categories including Iraqi and other nationalities; Pres. Dr. NAJI AL-ASIL; Sec. Dr. YOUSIF IZZIDIEN; publs. *Arabs before Islam* (8 vols.), *Literary Criticism in Iraq, Bulletin.*

Medical Society, The: Baghdad; Pres. Prof. SA'IB SHAWKAT; Sec. Dr. SALEM DAMLUJI.

Nuclear Research Centre (*Iraqi Atomic Energy Comm.*): Shalchiyah, Baghdad; f. 1957; includes training facilities for applications of radioisotopes in research.

Soviet Cultural Centre: Baghdad; f. 1962; library.

Spanish Cultural Centre: Baghdad.

Teachers' Society: Sharia Al-Askari, Baghdad; f. 1942; Pres. ABDUL-GHANI AL-CHERCHEFCHI.

U.S. Information Center: Baghdad.

LIBRARIES

Al-Awqaf (*Library of Waqfs*): Baghdad; f. 1929; works relating to the Koran and Arabic history and literature; 8,517 vols., 3,876 MSS.

Baghdad Public Library: Baghdad; f. 1955; 29,626 vols.

Central Library, University of Baghdad: Baghdad; 25,000 vols.; Arab MSS.; Librarian HISHAM AL-SHAUWAF, PH.D.

College of Agriculture Library: Abu Ghraib; f. 1952; 10,852 vols.

Diwan Library, The: Ministry of Education, Baghdad; f. 1921.

Library of the American School of Oriental Research: Baghdad; f. 1923; 2,966 vols.; Librarian GURGIS AWAD.

Libraries of the British Council: Baghdad Institute, Waziriyah, c/o P.O. Box 298; *c.* 14,500 vols. Basra Centre 6,000 vols., Mosul Centre 3,000 vols.

Library of the College of Arts: Baghdad; f. 1949; 22,910 vols.; Librarian FATTIMA AL-NIAMI.

Library of the Institute of Fine Arts: Baghdad; f. 1936; 3,250 vols.; Librarian MOHAMMED EMIN TAWFIQ.

Library of the Iraq Museum: Baghdad; f. 1934; 37,500 vols.; 2,340 MSS., Librarian GURGIS AWAD.

Library of the Mosul Museum: Mosul; 6,529 vols.

Library of the Faculty of Medicine: Baghdad; f. 1927; 13,889 vols.; Librarian SAYID ABID NISSAN.

Library of the Soviet Cultural Centre: Baghdad.

Mosul Public Library: Mosul; f. 1930; 55,000 vols., 1,000 MSS. Dir. AHMAD NEELA.

Nasiriyya Public Library: Muntafiq; Librarian MOHAMMED LAFFAR KHIDER.

Technical Atomic Energy Library: Baghdad; up-to-date references, reports, pamphlets, microcards, magazines and film reels.

There are also Public Libraries of some standing in the following towns: Amara, Arbil, Basra, Diwaniya, Diyala, Dulaim, Hillah, Karbala, Kirkuk, Kut, Najef and Sulaimaniya.

SELECTED PRIVATE LIBRARIES

Bashayan el Abbasi Library: Sharia Abbasiyah, Basra; f. 16th century; 10,000 vols. includes 1,500 Arabic manuscripts, some being 800 years old.

Mohamad Ahmad Library: Basra; f. 1920; 6,000 vols.; over 300 Arabic and Persian MSS.

Rafael Batti Library: Baghdad; 7,000 vols.; relating to the literature, history, economics, politics and sociology of the East.

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Taha El-Rawi Library: Baghdad; f. 1906; 14,000 vols., including 6,000 MSS.; works in Arabic, Turkish and Persian.

Yacub Sarkis Library: Baghdad; f. 1911; 4,000 rare vols.; 350 MSS.; special collection relating to the travels of Europeans in Iraq and the East.

MUSEUMS

The following museums, with the exception of the Natural History Museum, are under the control of the Department of the Directorate-General of Antiquities in Baghdad, a governmental body headed by Dr. TAHA BAQIR. The Directorate-General of Antiquities organises all museum exhibitions, conducts archaeological excavations and supervises excavations by foreign expeditions, issues archaeological reports and maps, and publishes *Sumer*, an archaeological journal which appears twice a year.

Abbasid Palace Museum, The: Baghdad; a restored Palace dating back to the last Caliphs of the Abbasid dynasty (13th century A.D.); an exhibition of Arab antiquities, and also scale models of important Islamic monumental buildings in Iraq. Opened as a Museum in 1935.

Aqer Quf Museum: f. 1942; this contains objects excavated during the work at Aqer Quf (1942–45), including stone door sockets with cuneiform inscriptions, pottery jars and bricks. The Museum is situated in an old Temple dedicated to the god Enlil.

Arms Museum: Sheikh Omar District, Baghdad; f. 1940; the museum is one of the main gates in the walls of 13th century Baghdad; it contains a scale model of these walls, obsolete weapons and firearms.

Babylon Museum: f. 1949; contains models, pictures, and paintings of the remains at Babylon; the Museum is situated amongst the ruins.

Costumes and Ethnographic Museum: Bab-al-Shargi, Baghdad; f. 1941; exhibits the costumes and other ethnographical features of Iraq; on the same premises is the Memorial Exhibition, containing the royal relics of King Faisal I; there is also a picture gallery.

Iraq Museum, The: Ma'mun Street, Baghdad; f. 1923; contains antiquities of ancient Mesopotamian cultures and civilisations ranging from the Early Stone Age to the beginning of the Islamic era in almost uninterrupted sequence. This museum has more than 20,000 pieces on display and about 40,000 pieces in its store rooms. Library (*see* under Libraries).

Iraq Natural History Museum: Waziriya No. 5/3/9, Baghdad; f. 1946; includes sections on zoology, botany and geology; publishes scientific papers dealing with the Natural History of Iraq in the series *Iraq Nat. His. Mus. Publications*, and *Bull. Iraq Nat. His. Mus.*; library of *c.* 8,500 vols.; Dir. BASHIR E. ALLOUSE, M.SC.

Mosul Museum: Dawassa, Mosul; collections: Assyrian antiquities of the 9th and 8th centuries B.C. found at Nimrud, objects uncovered in the ruins of Hatra dating back to the 2nd century B.C. and 2nd century A.D., agricultural tools and pottery vessels from the 5th and 4th millennium B.C., photographs of excavated buildings at Tepe Gawra, maps of the Assyrian Empire, Nimrud and Hatra; Dir. S. DEWACHI.

Museum of Arab Antiquities: Samawal Street, Baghdad; it is a restored building of the 14th century A.D., which was opened as a Museum in 1937; collections of Arab antiquities illustrating different Islamic cultural periods in Iraq; exhibits mainly from Wasit, Samaria and Kufa.

Samarra Museum: Samarra; f. 1936; it is housed in one of the old city gates, and contains objects excavated in the ruins of ancient Samarra.

UNIVERSITIES

AL-HIKMA UNIVERSITY OF BAGHDAD

BOX 211, BAGHDAD
Telephone: 98571
Telegraphic Address: Irameda, Baghdad

President: Very Rev. JOHN P. BANKS, S.J., PH.D.
Dean of Studies: Rev. JOSEPH L. RYAN, S.J., M.S.
Librarian: Rev. ROBERT J. COTE, S.J., M.S.

Number of teachers: 30.
Number of students: 200.

Publications: *Al-Hikma, Al-Jama'i*, Kalam series in Islamic Theology.

PROFESSORS:

BODIYA, NASIR (Economics).
BREMER, ROY (Sanitary Engineering).
CAMPBELL, Rev. ROBERT B., S.J. (Arabic, Philosophy of History).
CROWLEY, Rev. CHARLES G., S.J. (Physics).
IBACH, Rev. WILLIAM D., S.J. (English Literature).
KELLY, Rev. FREDERICK W., S.J. (Civil Engineering).
LARKIN, Rev. WILLIAM J., S.J. (Physics).
LOUDEN, CLARKE B. (Business Administration).
MCDONOUGH, Rev. LEO J., S.J. (Mathematics).
MÚLVEHILL, Rev. THOMAS B., S.J. (Theology, History).
O' KANE, Rev. JOSEPH P., S.J. (Philosophy).
VITAGLIANO, VINCENT (Civil Engineering).

UNIVERSITY OF BAGHDAD

BAGHDAD
Telephone: 22081
Founded 1958.

The University of Baghdad is a state institution providing free education. All the Institutes and Colleges listed below have been incorporated in the University. Each has its own library of Arabic and foreign books.

President: Prof. ABDUL-JABBAR ABDULLAH, D.SC.
Vice-President: Prof. AMMAD IZZAT KAYSSI, M.D.
Secretary-General: ABBAS AL-SARRAF, PH.D.
Registrar: ABDUL-WAHHAB AL-QAYSI, PH.D.
Dean of Students: YOUSIF ABBOUD, PH.D.
Librarian: HISHAM AL-SHAUWAF, PH.D.

INCORPORATED COLLEGES:

COLLEGE OF AGRICULTURE

Founded 1952

Dean: ABDUL KARIM AL-KHUDHAIRI, PH.D.

Library of 10,852 vols.
Number of teachers: 66.
Number of students: 317 including 19 women.

The College of Agriculture contains the following departments: Agricultural Chemistry, Agricultural Botany,

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Field Crops, Gardening and Vegetables, Animal Husbandry, Soils, Agricultural Engineering, Agricultural Economics and Statistics, Guidance and Agricultural Education, Entomology and Zoology, Agricultural Industries.

PROFESSORS:

BHARUCHA, FARIDOON RUSTONJI (Botany).
SHANBHAG, GOPAL YESHWAUT (Agricultural Meteorology).
WALTER, A. (Forestry).

COLLEGE OF ARTS

Founded 1949.

Dean: NAJI MARUF, LICENCE AND DIP.

Library of 22,910 vols.
Number of teachers: 76.
Number of students: 1,626, including 603 women.

The Faculty of Arts contains the following departments: Arabic, Archæology, Economics, English, Geography, History, Kurdish Studies, Philosophy, Political Sciences, Sociology.

PROFESSORS:

ALI, S. A. (History).
DURI, A. A. (History).
MAARUF, N. (History).
SAID, J. (Arabic).
JAMIL, KH., M. (Philosophy).

COLLEGE OF COMMERCE

Founded 1947

Dean: ISMAIL MIRZA, PH.D.

Library of 6,320 vols.
Number of teachers: 46.
Number of students: 1,493, including 245 women.

The College of Commerce contains the following departments: Accountancy, Business Administration, Economics, Law, Statistics.

COLLEGE OF DENTISTRY

Founded 1953

Acting Dean: YOUSIF MIRZA, B.D.S.

Number of teachers: 30.
Number of students: 130, including 35 women.

The College of Dentistry contains the following departments: Biology, Dental Materials, Dental Prosthetics, Operative Dentistry, Oral Surgery.

PROFESSORS:

BARRETT, S. G. (Prosthetics).
HILL, V. C. (Orthodontics).
MACKENSEN, O. (Operative Dentistry).

COLLEGE OF EDUCATION

Founded 1939

Dean: KAMAL IBRAHIM, LICENCE AND DIP.

Library of 26,036 vols.
Number of teachers: 138.
Number of students: 1,706, including 589 women.

The College of Education contains ths following departments: Education and Psychology, Arabic, History, Geography, Foreign Languages, Biology, Physics, Mathematics.

PROFESSORS:

ABDUL-JABBAR, MOHAMMAD ALI, M.SC. (Biology).
ABOUD, YOUSIF, PH.D. (Chemical Engineering).
AL-BASSAM, ABDUL AZIZ, PH.D. (Psychology).
AL-HASHIMI, KHALID, PH.D. (Education).
AL-HASHIMI, MOHAMMAD, PH.D. (Islamic History).
AL-HILLI, AHMAD HAKKI, PH.D. (Education).
ALI, JAWAD (History).
AL-NU'AIMI, SALIM, PH.D. (Arabic Literature).
HADAC, EMIL, PH.D. (Natural Science).
IBRAHIM, KAMAL, Licence and Diploma in Arabic (Arabic)
JAWAD, MUSTAFA, PH.D. (Arabic).
KANOUNA, MOHAMMAD MUSTAFA, PH.D. (Physics).
KHALOUSSI, SAFA, PH.D. (Arabic Literature).
MUHYI AL-DIN, ABDUL RAZZAQ, PH.D. (Arabic).
NASIR, MOHAMMAD, ED.D. (Education).
PLOWMAN, ARTHUR, M.A. (Education).
SALIH, ZAKKI, PH.D. (Modern History).

COLLEGE OF ENGINEERING

Founded 1942.

Provides B.SC. degree in Civil, Mechanical and Electrical Engineering.

Acting Dean: Prof. NAJI A. KADIR, PH.D., M.A.S.C.E.

Library: contains 4,040 vols.
Number of teachers: 67.
Number of students: 637, including 45 women.

The College of Engineering contains the following departments: Architectural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Petroleum Engineering.

PROFESSORS:

ABDUL QADIR, NAJI (Civil Engineering).
AL-MALIAKA, JAMIL (Civil Engineering).
AUZINIAN, YARWANT (Civil Engineering).
DAWWAF, Y. (Civil Engineering).
DENNO, S. N. (Electrical Engineering).
HANTOUSHI, MAHDI (Civil Engineering).
HISHMET, K. (Civil Engineering).
ISMAIL, A. J. (Electrical Engineering).
KHARROUFA, N. (Civil Engineering).
MAKKIA, MOHAMMAD (Architectural Engineering).
TAJIRIAN, FARIG (Civil Engineering).

COLLEGE OF LAW

Founded 1908

Acting Dean: ABDUL MAJID AL-HAKIM, LL.D.

Library of 7,500 vols.
Number of teachers: 24.
Number of students: 1,992, including 218 women.

PROFESSORS:

AL-NAHI, SALAH AL-DIN (Private Law).
NASIR, SHAKIR (Private Law).

COLLEGE OF MEDICINE

Founded 1927

Dean: SALMAN FAIK, M.D.
Registrar: (vacant).
Treasurer: JAMIL ZAKO.

Library of 13,889 vols.
Number of teachers: 101.
Number of students: 1,006 including 287 women.
Publication: *Journal of the Faculty of Medicine*, Baghdad (Editor: F. S. NASHAT, M.D., PH.D.).

PROFESSORS:

AKRAWI, FATHALLAH, M.D. (Dermatology and Veneral Diseases).
AL-BEIR, A., M.D. (Urology).
FAIK, SALMAN, M.D., M.S. (Surgery).
FAWZI, M., M.D. (Therapeutics).
HAINES, R. W., M.B., D.SC. (Anatomy).
JOHNSTONE, R. M., M.B.E., M.C., M.A., M.D. (Medicine).
KAYSSI, A. I., M.D. (Forensic Medicine).
LEWIS, R. A., M.D. (Pharmacology).
MOHIUDDIN, AHMED, M.B., PH.D. (Histology and Embryology).
NIVEN, R. J., M.C., M.B. (Public Health and Social Medicine).
ROSEBEEK, S., PH.D. (Chemistry).
SAFFAR, A. S., M.D. (Bacteriology and Parasitology).

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SAMMARAI, KAMAL, M.D. (Gynaecology and Obstetrics).
SETH, T. N., M.SC., PH.D. (Biochemistry).
STARTUP, C. W., B.SC., PH.D. (Physiology).
TARRANT, G. T. P., M.A., PH.D. (Physics).

COLLEGE OF PHARMACY

Founded 1936

Acting Dean: NURI YOUSIF MARY, PH.D.

Number of teachers: 23.
Number of students: 227, including 93 women.

PROFESSORS:

AL-MALLAH, ABDUL FATTAH (Organic and Biochemistry).
AZIZ, YOUSIF (Physics).
BASHI, ABDULLAH KASSAB (General and Analytical Chemistry).
TAWFIQ, FAKHRI (Pharmacy).

COLLEGE OF SCIENCES

Founded 1949

Acting Dean: FADHIL AL-TAI, PH.D.

Library of 5,826 vols.
Number of teachers: 88.
Number of students: 533, including 149 women.

The College of Science contains the following faculties: Botany, Chemistry, Geology, Mathematics, Microbiology, Physics, Zoology.

PROFESSORS:

ALLOS, BASHIR, M.SC. (Biology).
AL-TAI, FADHIL, PH.D. (Chemistry).
HAMDI, GHAZI, PH.D. (Chemistry).
PHALAK, VINAYAK GOVIND, M.SC., D. ès SC. (Botany).

COLLEGE OF VETERINARY MEDICINE

Founded 1955

Dean: SADIQ KHAYAT, PH.D.

Number of teachers: 22.
Number of students: 106.
Library of 3,862 vols.

PROFESSORS:

KAURA, R. L., M.R.C.V.S. (Diseases).
KHAYAT, SADIQ, PH.D. (Veterinary Medicine).
SHAH, M. H., M.R.C.V.S. (Pharmacology).
SIMOND, E., PH.D. (Anatomy).

COLLEGE OF TAHRIR FOR WOMEN

Founded 1946

Acting Dean: ROSE KADOURI, ED.D.

Library of 10,843 vols.
Number of teachers: 72.
Number of students: 626.

COLLEGE OF MEDICINE IN MOSUL

Founded 1959

Acting Dean: ABDUL WAHAB HADID, M.B., CH.B.

Library of 1,384 vols.
Number of teachers; 9.
Number of students: 212, including 45 women.

PROFESSORS:

ROBERTSON, D. (Anatomy and Historology).
SHARAN, R. K. (Biology).

COLLEGE OF JURISPRUDENCE

Founded 1946

Dean: RASHID AL-OBAIDY, DIP.

Number of Teachers: 9.
Number of Students: 273, including 45 women.

AFFILIATED INSTITUTES

Higher Institute of Physical Education: f. 1955; teachers: 11; students: 116; Acting Dean AKRAM FAHMI.

Institute of Forestry: Baghdad; f. 1959; teachers: 7; students: 39; Dir. M. KLOUR, PH.D.

Institute of Higher Industrial Engineering: Baghdad; f.1955; teachers: 21; students: 324; Acting Dean MOHAMMAD AHMAD, M.SC.

Institute of Languages: Baghdad; f. 1958; teachers: 31; teachers: 31; students: 1,100; including 142 women; Acting Dir. HAMDI YOUNIS, PH.D.

Institute of Public Administration: Baghdad; f. 1958; teachers: 10; students 509; Acting Dean: ABDUL BAQI AL-BAKRI, A.M.

Institute of Surveying: Baghdad; f. 1958; teachers: 17; students: 127; Acting Dir. IZZAT AL-ATRAQCHI, B.SC.

Arid Zone Research Institute: Dir ABDUL RASOOL KAMAL AL-DIN, PH.D.

Institute of Natural History: Dir. BASHIR ALLOAS, M.SC.

COLLEGES

Al-Shari'a College: Baghdad; Dean Prof. NAJI MAROUF.

Higher Institute of Accountancy and Business Administration: Baghdad.

Higher Institute of Industry: Baghdad.

Higher Institute of Teachers. Baghdad.

Technical Training Institute: Baghdad; created 1960 by UN Special Fund; 75 students for basic and vocational training.

INSTITUTE OF FINE ARTS

BAGHDAD

Founded 1936.

Dean: JASIM AL ABUDI.
Assistant Deans: ABDUL RAHMAN AL GAILANI, SHUKRI EL MUFTI.
Head of the Occidental Music Department: HANDI QADURI.
Head of the Oriental Music Department: SELMAN SHUKUR.
Head of the Drama Department: ASAD ABDUL RAZAK.
Head of the Painting Department: FAIK HASSAN.
Head of the Sculpture and Ceramics Department: ABDUL RAHMAN AL GAILANI.
Head of the Calligraphy and Decoration Department: HASHIM AL KHATAT.

Number of teachers: 44.
Number of students: 340.

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ACADEMIES

IRISH ACADEMY OF LETTERS
QUEEN'S THEATRE, DUBLIN

Founded 1932

President: ARLAND USSHER.
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ACADEMICIANS:

BENEDICT, KIELY (poet and novelist).
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STARKIE, WALTER (literary historian).
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ROYAL HIBERNIAN ACADEMY OF PAINTING, SCULPTURE AND ARCHITECTURE
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LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Accountancy, Banking, Statistics

Association of Certified and Corporate Accountants: 102/103 Grafton Street, Dublin; Pres. L. P. Macnamara; Hon. Sec. R. W. McAuley.

Institute of Bankers: 20 College Green, Dublin; f. 1898; Pres. J. Elliott Forde, c.b.e., d.l.; Hon. Sec. P. Bourke; Sec. Cecil H. H. Fennell; publ. *Journal* (f. 1898; quarterly).

Institute of Chartered Accountants in Ireland: Offices and Library: 7 Fitzwilliam Place, Dublin 2; Belfast Office: 6 Callender Street; inc. by Royal Charter May 14th, 1888; 1,770 mems.; Sec W. Stuart Orr, b.a., ll.b., a.c.a.

Irish Association of Accountants, Ltd.: 102-103 Grafton Street, Dublin; f. 1926; 33 mems.; Pres. E. P. Whelan, f.i.a.a.; Sec. Miss M. Corrigan.

Irish Institute of Secretaries: 112 Marlborough Street, Dublin; f. 1941; Pres. C. J. F. McCarthy, m.com., f.i.i.s.; Sec. Aindrias O Scolaidhe, a.i.i.s., a.i.a.c.

Statistical and Social Inquiry Society of Ireland: f. 1847; Pres. M. D. McCarthy, ph.d.; Hon. Secs. A. D. C. Black, ph.d., J. B. Broderick, m.sc., and T. K. Whitaker, m.sc.(econ.), Central Statistics Office, Dublin.

Agriculture, Horticulture

National Agricultural and Industrial Development Association, Inc.: 3 St. Stephen's Green N., Dublin, C. ; f. 1905; 500 mems.; Hon. Sec. Sean O'Bradleigh.

Royal Dublin Society: Ballsbridge, Dublin; f. 1731 for the advancement of agriculture, industry, science, and art; this Society is responsible for the annual Dublin Horse Show; 12,000 mems.; the Society contains a scientific library of 110,000 vols., a general library of 60,000 vols., and an agricultural library of 10,000 vols. and pamphlets; Pres. H. J. Toler Aylward; Registrar H. H. Poole, sc.d.; Librarian Desmond J. Clarke, f.l.a.i.; publs. *Scientific Proceedings, Irish Large White Pig Herd Book, Kerry Cattle Herd Book, List of Accessions, Irish Landrace Herd Book* (annually).

Royal Horticultural and Arboricultural Society of Ireland: 16 St. Stephen's Green, Dublin, N.; f. 1830; 989 mems.; Hon. Sec. R. Walker; Sec. Miss Barbara Scott; publs. *Year Book, Bulletin* (at intervals).

Architecture, Surveying

Architectural Association of Ireland, The: 8 Merrion Square, Dublin; 190 mems.; Pres. Brian Hogan, b.arch., a.r.i.b.a.; Hon. Secs. P. O'Cuimin, b.arch., m.r.i.a.i., Martin Reynolds; publ. *The Green Book* (annual).

Royal Institution of Chartered Surveyors (Eire Branch): 110 Grafton Street, Dublin; branch f. 1898 by amalgamation of Irish Land Agents' Committee with Surveyors' Institute; Chair. W. J. O'Connell; Asst. to Hon. Sec. Miss G. M. Woodhouse.

Royal Institute of Architects of Ireland: 8 Merrion Square, Dublin; f. 1839; 461 mems.; Pres. H. S. Robson, m.a., b.arch., f.r.i.a.i., a.r.i.b.a.; publ. *R.I.A.I. Year Book.*

Arts

Arts and Crafts Society of Ireland: f. 1894; Pres. Countess of Rosse, Birr Castle, Offaly; Hon. Sec. Miss Angela O'Brien, 112 Ranelagh, Dublin 6; Hon. Treas. Gerald McNicholl, b.arch., San Clemente, Vico Road, Dalkey, County Dublin.

Friends of the National Collections of Ireland: 72 St. Stephen's Green, Dublin; estab. 1924; Pres. The Earl of Rosse; Hon. Sec. James White.

Irish Society of Arts and Commerce: f. 1911; Pres. Rt. Rev. Mgr. Edward Kissane, d.d., d.litt., l.s.s.; Sec. Miss A. von Muntz, 55 Fairview Strand, Dublin.

Photographic Society of Ireland: 11 Hume Street, Dublin; f. 1854; 340 mems.; Pres. Victor A. Allan; Hon. Sec. Hugh Doran, e.f.i.a.p.; publ. *The Lens* (monthly).

Astronomy

Irish Astronomical Society: 26 Thornhill Road, Mount Merrion, Co. Dublin; f. 1937; 160 mems. (Dublin Centre); Pres. Dr. H. A. Bruck, Dunsink Observatory, Co. Dublin; Sec. W. J. Farquharson.

Bibliography

Bibliographical Society of Ireland (1918): Pres. Dr. F. S. Bourke, f.r.c.p.i.; Hon. Sec. Alf MacLochlainn, c/o National Library, Dublin; publ. *Proceedings.*

Biology

Dublin Naturalists' Field Club: R.I.A. House, 19 Dawson Street, Dublin 2; f. 1885; 200 mems.; undertakes the practical study of zoology, botany and geology, chiefly of the Province of Leinster; Hon. Sec. H. J. Hudson; publ. *Annual Report.*

Dublin University Biological Association: Trinity College, Dublin; f. 1874; 300 mems.; Pres. S. T. McCollum, m.b., f.r.c.s.; Hon. Secs. R. E. Crockett, b.a., Miss M. Henry; Treas. N. Heaney; Librarian A. Young.

Royal Zoological Society of Ireland: Phoenix Park, Dublin; f. 1830; 3,835 mems.; Pres. N. H. Lambert; Hon. Secs. A. O. Bruty, V. Craigie; Superintendent E. T. Murphy; publ. *Annual Report.*

Chemistry

Institute of Chemistry of Ireland, The: 22 Clyde Road, Ballsbridge, Dublin 4; f. 1950; Pres. M. J. Cranley, m.sc., a.r.i.c., f.r.i.c., f.i.c.i.; Hon. Sec. B. T. Foreman, b.sc., m.i.biol., m.i.c.i.

Education

Church Education Society: 5a Townsend Street, Dublin; f. 1839; Hon Secs. Very Rev. N. D. Emerson, ph.d., and Rev. G. D. Hobson, m.a.; Asst. Sec. and Inspector of Schools Rev. S. G. Poyntz, m.a., b.d., ph.d.; publ. *Annual Report.*

Engineering

Engineering and Scientific Association of Ireland: 12 Lr. Mount Street, Dublin; f. 1903; 150 mems.; Pres. T. Illingworth, f.i.e.s., a.m.i.e.e., a.m.i.h.ve., Hon Sec. D. S. Carty, b.a., b.a.i.; Hon Treas. P. Luizzi; publ. *Annual Report.*

Engineers' Association, The: 22 Clyde Road, Ballsbridge, Dublin; f. 1928; 1,500 mems.; Hon.Sec. W. G. Scaife, b.sc. (eng.), a.m.i.e.e.; publ. *Engineers Journal* (monthly).

Institution of Civil Engineers of Ireland: 35 Dawson Street, Dublin; f. 1835; 1,100 mems.; Hon. Sec. Daniel Herlihy, b.e., a.m.t.p.i.; Registrar William O'Neill; publ. *Transactions.*

Institution of Electrical Engineers, The (*Irish Branch*): Magnet House, Adelaide Road, Dublin; 380 mems.; Chair. J. McKeever, b.sc.; Hon Sec. H. DeLacey, b.e.

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History

Cork Historical and Archæological Society: c/o Prof. M. J. O'Kelly, M.A., University College, Cork; f. 1891; Hon. Sec. E. M. Fahy, M.A., Wellington Tce., Sunday's Well, Cork; Hon. Editor Prof. M. J. O'Kelly, M.A.; 425 mems.; publ. *Journal* (twice yearly).

Folklore of Ireland Society: 82 St. Stephen's Green, Dublin; f. 1926; Pres. Pádrajg Ó Siochfhradha, M.A.; Sec. Conn Ó Cléirigh, M.A.; Treas. Pádraig Breathnach; Registrar Seán Ó Súilleabháin, B.A.; Editor and Librarian Prof. Séamus Ó Duilearga, M.A., D.Litt., LL.D., PH.D.

Genealogical Office (formerly Office of Arms): Dublin Castle; established 1552; Chief Herald and Genealogical Officer Gerard Slevin, M.A.

Irish Folklore Commission: University College, Dublin; f. 1935; Chair. Ant.-Ath. P. E. MacFhinn, M.A., D.D.; Hon. Dir. Prof. Séamus Ó Duilearga, M.A., D.Litt.

Irish Historical Society: Palmerston House, Broadstore, Dublin; f. 1936; 200 mems.; Pres. Rev. N. D. Emerson, PH.D., University College, Dublin; Sec. H. F. Kearney, M.A., PH.D., University College, Dublin; publs. (with Ulster Society for Irish Historical Studies) *Irish Historical Studies* (two issues yearly).

Irish Manuscripts Commission: 73 Merrion Square, Dublin 2; estab. 1928; 19 mems.; Chair. E. McLysaght, D.Litt.; 112 published vols.

Military History Society of Ireland: Newman House, University College, 86 St. Stephen's Green, Dublin 2; f. 1949; 750 mems.; Pres. Sir Charles Petrie; Secs. Rupert Coughlan, Bt., M.A.(Oxon.), F.R.Hist.Soc., Lt.-Col. Olaf McNeill; publ. *The Irish Sword* (twice yearly).

Old Dublin Society: Civic Museum, City Assembly House, 58 South William Street, Dublin 2; f. 1934; 400 mems.; Pres. Patrick J. Monks; Hon. Secs.: Brian Monahan, Michael J. Tutty; publ. *Dublin Historical Record* (quarterly).

Royal Society of Antiquaries of Ireland: 63 Merrion Square, Dublin; f. 1849; 780 mems.; 6,000 vols. in library; Hon. Gen. Sec. A. T. Lucas, M.A., D.Litt., M.R.I.A.; publ. *Journal* (twice a year).

University College Literary and Historical Society: University College, Earlsfort Terrace, Dublin; f. by Cardinal Newman 1855; Auditor Anthony W. Clare.

Law

Honourable Society of King's Inns: Henrietta Street, Dublin; f. 1542; Treas. Hon. Mr. Justice Budd; Under-Treasurer F. A. Magee; Librarian Mrs. B. McMenamin (over 110,000 vols.); 37 brs.; all students and barristers are members of the Inns.

Incorporated Law Society of Ireland: Solicitors' Buildings, Four Courts, Dublin, N.W.8; f. 1841; 1,132 mems.; Sec. Eric A. Plunkett; publ. ***Calendar and Law Directory*** **(annually).**

Literature, Philology

Alliance Française de Dublin: 18 Herbert Street, Dublin 2; f. 1961; 220 mems.; Dir. M. Villemur; Sec. Mrs. M. McKenna.

Conradh na Gaeilge (*Gaelic League*): 14 Parnell Square, Dublin; f. 1893; 500 brs.; Pres. Micheál MacCárthaigh; Gen. Sec. Donnchadh O'Súilleabháin; publ. *Feasta, Rosc, An t'Ultach* (monthlies); pamphlets; Pocket diary in Gaelic.

College Historical Society (*Student Debating Society*): Trinity College, Dublin; f. 1770; 750 mems.; Record Sec. R. M. Ervine-Andrews; Correspondence Sec. P. R. E. Eversheд; publ. *Annual Report.*

Dublin Literary Society: St. Andrew's Hotel, Exchequer Street, Dublin; Pres. (Vacant); Hon. Sec. D. Mellory Burke, B.A., B.E.

German Institute for Cultural Relations: Dublin; f. 1961.

Istituto Italiano di Cultura: 11 Fitzwilliam Square, Dublin; Dir. Prof. Elsa Gerlini.

Leinster College of Irish: 39 Parnell Square, Dublin; f. 1906; Chair. Prof. Agnes O'Farrelly, M.A., D.Litt.; Sec. Séamus Mac Cathmhaoil, M.A.

Library Association of Ireland: 46 Grafton Street, Dublin; f. 1928; Pres. D. Clarke, F.L.A.I.; Hon. Sec. U. O'Byrne, F.L.A.I.; publ. *An Leabharlann* (Journal; quarterly).

Medicine, Dentistry, Pharmacy

Apothecaries' Hall: 95 Merrion Square, Dublin 2; f. 1791; Gov. Dr. F. J. O'Donnell; Deputy Gov. Dr. C. H. McMahon; Registrar O. K. O'Malley, L.R.C.P. & S., Rel. L.A.H., Clerk of Court Mrs. Peggy Kearney, B.Comm.

Dental Board: 57 Merrion Square, Dublin; Pres. William Brady, B.D.S., N.U. Irel.; Registrar I. Quirke.

Irish Medical Association: 10 Fitzwilliam Place, Dublin; f. 1936; Medical Sec. Dr. Noel Reilly; Business Sec. T. M. Gick; 2,000 mems.; publ. *Journal* (monthly).

Medical Registration Council: 20 Fitzwilliam Square, Dublin; f. 1927; Pres. Edward T. Freeman, M.D.; Registrar Mary Cagney.

Medical Research Council of Ireland: 50 Merrion Square, Dublin; f. 1937; 9 mems.; Chair. Prof. J. F. Cunningham, M.D., F.R.C.P.I., F.R.C.O.G.; Hon. Sec. Prof. W. J. E. Jessop, M.D., M.Sc., F.R.C.P.I., F.T.C.D.

Pharmaceutical Society of Ireland: 18 Shrewsbury Road, Ballsbridge, Dublin; f. 1875; Pres. Frank Loughman; Registrar James G. Coleman, B.L., M.P.S.I.; publ. *Calendar.*

Royal Academy of Medicine: 6 Kildare Street, Dublin; f. 1882; Pres. James S. Quin, M.D., F.R.C.P.I., F.R.C.O.I.; Gen. Sec. and Treas. C. Dickson, M.D., F.R.C.P.I.; Foreign Sec. W. Doolin, M.B., F.R.C.S.; 569 Fellows; publ. *Irish Journal of Medical Science* (monthly).

Veterinary Council: 159 Strand Road, Merrion, Dublin; f. 1931; 819 registered names; Registrar A. F. O'Dea, M.V.Sc., M.R.C.V.S., D.V.S.M.

Philosophy

Theosophical Society in Ireland: 31 Pembroke Road, Dublin; f. 1919; Hon. Gen. Sec. Mrs. Evelyn O. Hornidge; publ. *Theosophy in Ireland* (quarterly).

University Philosophical Society: Trinity College, Dublin, 2; f. 1853; 520 mems.; Pres. (1963-64) A. B. West; Sec. D. Harvey.

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LIBRARIES

There are public libraries in most of the main towns.

Central Catholic Library: 74-75 Merrion Square, Dublin; controlled by the Central Catholic Library Association; open to the public; 50,000 vols., incl. special collection of 2,000 vols. on Christian art; Chief Librarian STEPHEN J. BROWN, S.J.

Chester Beatty Library: Shrewsbury Road, Dublin; transferred from London to Dublin in 1950; papyri, oriental and western MSS and books; Hon. Librarian R. J. HAYES, LL.D.

Cork University Library: University College, Cork; f. 1849; 478,600 vols., including the Arbois de Jubainville, Sharman Crawford, Wilson Memorial, and Sexton collections; Librarian DANIEL O'KEEFFE, M.A.

Dublin Public Libraries: Pearse Street; 534,676 vols.; special collections include early Dublin printing and fine binding, incunabula, 140 vols. on Swift, political pamphlets and cartoons, Dublin periodicals and 18th-century plays, Abbey Theatre material; City Librarian MÁIRÍN O'BYRNE, DIP.LIB., F.L.A.I.

Irish Central Library for Students: 53 Upper Mount Street, Dublin; estab. in 1923 by Carnegie United Kingdom Trust to supplement the resources of public libraries and of the libraries of scientific and cultural organisations, by supplying on loan specialised books of an educational nature; in 1948 the library was presented by the Carnegie United Kingdom Trust as a gift to An Chomhairle Leabharlanna (Library Council), inaugurated in 1948, under the Public Libraries (Ireland) Act of 1947; approx. 45,000 vols.; Librarian (Vacant); Dir. of Library Council DERMOT FOLEY, F.L.A.I.; publ. *Annual Report.*

Law Library: Four Courts, Dublin; controlled by the General Council of the Bar of Ireland; open to mems. of the Irish Bar only; 20,000 vols.; Librarian REGINALD A. HARRISON, M.A., LL.B., F.L.A.I.

Marsh's Library: St. Patrick's Close, Dublin; f. 1707; 25,000 vols. and important MSS.; Keeper R. O. DOUGAN, M.A., F.L.A.; publs. catalogues of the MSS. and of early French books, and *An Account of Marsh's Library.*

National Library of Ireland: Kildare Street, Dublin; f. 1877; approx. 500,000 vols.; dept. of prints and drawings, MSS. dept., genealogical office, microfilm and photostat service; Dir. R. J. HAYES, LL.D.

Oireachtas Library: Leinster House, Dublin; selective works of parliamentary interest, the nucleus of which was the Chief Secretary's Office, Dublin Castle; Librarian S. MAC CROSÁIN.

Representative Church Body Library: 52 St. Stephen's Green East, Dublin; theological library controlled by the Representative Body of the Church of Ireland, for use of clerical and lay mems. of the Church of Ireland; 20,000 vols.; historical MSS. of Church of Ireland, including sucession of all clergy from the Celtic period to date, Cashel collection of early theology, Watson collection of Prayer Books, Welply collection of genealogical notes; Librarian GERALDINE WILLIS, A.L.A.; Asst. Librarian HILARY PYLE, B.A.(T.C.D.), M.LITT. (Cantab.).

St. Patrick's College Library: Maynooth, Co. Kildare; 125,000 vols.; Librarian Rev. Dr. J. CORKERY.

Trinity College Library: Dublin; f. 1951; 900,000 printed books, 3,000 MSS., including the Book of Kells; enjoys copyright privilege; Librarian H. W. PARKE, LITT.D.

University College Library: Main building at Earlsfort Terrace, Dublin; f. 1908; 200,662 vols., including Baron Palles (Law) library, 2,500 vols.; Zimmer (Celtic) library 2,000 vols.; Stopford Green (History) library, 2,000 vols.; Science library (formerly Library of the Royal College of Science) 63,323 vols.; Faculty of Agriculture Library (formerly Library of the Albert Agricultural College) 8,380 vols.; Librarian ELLEN POWER, M.A., F.L.A.

University College Library: Galway; 90,000 vols.; Asst. Librarian CHRISTOPHER J. TOWNLEY, B.A., B.COMM.

MUSEUMS AND ART GALLERIES

Civic Museum: 58 South William Street, Dublin; f. 1953; original exhibits of antiquarian and historical interest pertaining to Dublin; pictures, tapestries, theatre bills, glass and silverwork, coins, newspapers.

James Joyce Museum: Martello Tower, Sandycove, Co. Dublin; f. 1962; relics of the writer.

Municipal Gallery of Modern Art: Parnell Square, Dublin; works of American, British, Irish, French and other Continental artists, including Constable, Corot, Degas, Courbet, Ingres, Manet, Millet, Monet, Turner; pictures from the Sir Hugh Lane collection; portraits of Irish men and women; drawings, water-colours, sculpture by Rodin, Dalou, Epstein, Maillol, Henry Moore, etc.; Curator JAMES WHITE.

National Gallery of Ireland: Merrion Street, Dublin; f. 1864 national, historical and portrait galleries; British, Italian, Dutch and other European masters; Dir. THOMAS MCGREEVY.

National Museum: Kildare Street, Dublin; f. 1731 by Royal Dublin Society; admin. under Dept. of Education; includes (1) Irish Antiquities Division (Keeper J. RAFTERY, DR.PHIL.); (2) Art and Industrial Division (Keeper W. O'SULLIVAN, D.SC.(ECON.)); (3) Natural History Division, which includes zoological, botanical and geological sections (Keeper J. S. JACKSON, M.A., PH.D.); Dir. A. T. LUCAS, D.LITT.

Royal College of Surgeons' Library and Museum: St. Stephen's Green, Dublin; Library f. 1788, Museum f. 1820; over 25,000 vols., including the leading periodicals in European languages, Government Reports, etc.; the museum contains dissected anatomical preparations, casts of heads of various races of man, collection of old surgical instruments, etc.; Hon. Librarian W. DOOLIN, F.R.C.S.I.; Librarian J. D. H. WIDDESS, B.A., L.R.C.P. & S.I.; Curator M. H. O'CONNOR, M.D., D.P.H., B.SC.

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UNIVERSITIES AND COLLEGES

UNIVERSITY OF DUBLIN
TRINITY COLLEGE

DUBLIN 2
Telephone: Dublin 72941
Founded 1591

Chancellor: The Rt. Hon. The Earl of IVEAGH.
Vice-Chancellor: The Rt. Hon. The Earl of ROSSE.
Provost: Dr. A. J. McCONNELL.
Bursar: Dr. W. J. L. RYAN.
Registrar: G. F. MITCHELL.

Teaching staff: 239.
Number of students: 2,250 men, 906 women, total 3,156.
Publication: *Hermathena* (Editor Prof. E. J. FURLONG).

DEAN:

School of Physic: Prof. W. J. E. JESSOP.

PROFESSORS:

School of Natural Sciences:
CHISHOLM, J. S. R.,(Applied Mathematics).
COCKER, W. (Chemistry).
GRAINGER, J. N. R. (Zoology).
HALBERSTAM, H. (Pure Mathematics).
HUDSON, R. G. S. (Geology).
PEPPER, D. C., (Physical Chemistry).
POOLE, J. H. J. (Geophysics).
WALTON, E. T. S. (Physics).
WEBB, D. A. (Botany).

Schools in Arts:
ARNOULD, E. J. (French).
CHUBB, F. B. (Political Science).
DUNCAN, G. A. (Political Economy).
EDWARDS, P. W. (English).
FURLONG, E. J. J. (Moral Philosophy).
GREENE, D. W. (Irish).
JOHNSTON, J. (Applied Economics).
LUCE, A. A. (Metaphysics).
MOODY, T. W. (History).
OTWAY-RUTHVEN, ANNETTE JOCELYN (History).
PARKE, H. W. (Ancient History).
RYAN, W. J. L. (Industrial Economics).
STANFORD, W. B. (Greek).
WEINGREEN, J. (Hebrew).
WORMELL, D. E. W. (Latin).

School of Divinity:
DAVIES, Rev. Dr. G. C. B. (Ecclesiastical History and Pastoral Theology).
QUIN, Rev. C. W. C. (Biblical Greek).
VOKES, Rev. F. E. (Divinity).
WOODHOUSE, Rev. H. F., D.D. (Divinity—Regius).

School of Law:
DELANY, V. T. H.
MORAN, FRANCES E.
RUSSELL, M.

School of Medicine:
ERSKINE, C. A. (Anatomy).
FLEMING, J. B. (Midwifery).
GATENBY, P. B. B. (Clinical Medicine).
HENRY, R. F. J. (Clinical Surgery).
JESSOP, W. J. E. (Social Medicine).
MICKS, R. H. (Materia Medica).
O'MEARA, R. A. Q. (Pathology and Experimental Medicine).
PRINGLE, J. S. M. (Surgery).
SPENCER, B. (Biochemistry).
STEEN, R. R. (Pædiatrics).
STEWART, F. S. (Bacteriology).
SYNGE, V. M. (Medicine).
TORRENS, D. S. (Physiology).
(Vacant—Orthodontics).

School of Veterinary Medicine:
BAXTER, J. T. (Clinical Veterinary Practice).
NICHOLSON, J. A. (Pre-Clinical Veterinary Science).
SLEITH F. ST. G. (Clinical Veterinary Science).

School of Music:
BOYDELL, B. P.

School of Education:
CRAWFORD, E. A.

School of Engineering:
WRIGHT, W.

HEADS OF DEPARTMENTS (Non-Professorial):

German: L. H. C. THOMAS.
Geography: J. P. HAUGHTON.
Italian: G. H. McWILLIAM.
Spanish: E. C. RILEY.
Russian: WINIFRED MACBRIDE.

NATIONAL UNIVERSITY OF IRELAND

49 MERRION SQUARE, DUBLIN
Telephone: 67246-7
Telegraphic Address: Natuniv, Dublin

Founded 1909.

Chancellor: ÉAMON DE VALÉRA, B.A., B.SC., PH.D., LL.D., SC.D., Uachtarán na hÉireann.
Vice-Chancellor: MICHAEL TIERNEY, K.S.G., M.A., D.LITT.
Registrar: SÉAMUS WILMOT, B.A., B.COMM., LL.D.

The University has three constituent Colleges—the University Colleges of Dublin, Cork and Galway—and a Recognised College—St. Patrick's, Maynooth.

Publications: *Calendar, Graduate and Sessional Lists.*

University College

EARLSFORT TERRACE, DUBLIN
Telephone 52116
Founded 1909

President: MICHAEL TIERNEY, K.S.G., M.A., D.LITT.
Secretary and Bursar: J. P. MACHALE, M.COMM., A.C.A.
Registrar: J. J. HOGAN, K.S.S., M.A., B.LITT. (OXON.).

Number of teachers: 254.
Number of students: 4,170 men, 1,604 women, total 5,774.
Publication: *Calendar.*

DEANS:

Faculty of Arts: Prof. JAMES J. TIERNEY, M.A.
Faculty of Philosophy: Rt. Rev. Monsignor JOHN D. HORGAN, M.A., D.D., PH.D.
Faculty of Celtic Studies: Rev. Prof. JOHN RYAN, S.J., M.A., D.LITT.
Faculty of Science: Prof. THOMAS S. WHEELER, D.SC., PH.D., F.R.C.SC.I.
Faculty of Law: Prof. WILLIAM D. FINLAY, B.A., S.C.
Faculty of Medicine: Prof. THOMAS MURPHY, M.B., B.CH., B.A.O., D.P.H., B.SC.PUB.H.
Faculty of Commerce: Prof. JAMES F. MEENAN, M.A., F.R.ECON.S., Barrister-at-Law.
Faculty of Engineering and Architecture: Prof. MICHAEL A. HOGAN, B.E., D.SC., PH.D., D.I.C.
Faculty of General Agriculture: JOHN CARROLL, B.AGR.SC., D.SC.
Faculty of Veterinary Science: Prof. PATRICK A. McGEADY, M.VET.SC., M.R.C.V.S.

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PROFESSORS:

Faculty of Arts:
BIELER, LUDWIG, D.PHIL. (Palæography and Late Latin).
CUNNINGHAM, KATHLEEN, M.A., PH.D. (German).
DUNNING, Rev. THOMAS P., C.M., M.A., PH.D. (Old and Middle English).
HOGAN, JEREMIAH J., K.S.S., M.A., B.LITT. (English).
HUGHES, ANTHONY G., D.MUS., L.R.I.A.M. (Music).
JONES HUGHES, THOMAS, M.A. (Geography).
MCBRIDE, PATRICK P., M.A., DR. EN L. (Italian and Spanish).
O'MEARA, JOHN J., M.A., D.PHIL. (Latin).
ROCHE, LOUIS P., M.A., D.ÈS.L. (French and Romance Philology).
RYAN, Rev. DERMOT, M.A., S.T.L., L.S.S. (Eastern Languages).
TIERNEY, JAMES J., M.A. (Greek).
WILLIAMS, THOMAS D., M.A. (Modern History).

Faculty of Philosophy:
HORGAN, Rt. Rev. Monsignor J. D., M.A., D.D., PH.D. (Metaphysics).
MARTIN, Rev. CONOR J., M.A., B.D., D.PHIL. (Ethics and Politics).
O'DOHERTY, Rev. E. F., M.A., B.D., PH.D. (Logic and Psychology).

Faculty of Celtic Studies:
DE BHALDRAITHE, TOMÁS, M.A., PH.D., D.LITT. (Modern Irish Language and Literature).
DELARGY, JAMES H., M.A., D.LITT. (Irish Folklore).
DE VALERA, RUAIDHRI, M.A., PH.D. (Celtic Archæology).
EDWARDS, R. DUDLEY, M.A., PH.D., M.R.I.A., F.R.HIST.S., D.LITT. (Modern Irish History).
Ó CUÍV, BRIAN, M.A., D.LITT. (Classical Irish Language and Literature).
RYAN, Rev. JOHN, S.J., M.A., D.LITT. (Early and Medieval Irish History).
SHAW, Rev. FRANCIS, S.J., M.A. (Early and Medieval Irish).

Faculty of Science:
BRINDLEY, JAMES C., D.SC., F.G.S. (Geology).
CLINCH, PHYLLIS E.M., D.SC., P.HD. (Botany).
CONWAY, E. J., D.SC., M.D., F.R.S., F.R.C.P.I. (Biochemistry).
GORMLEY, PHILIP G., M.A., PH.D. (Mathematics).
HUMPHRIES, CARMEL F., D.SC. (Zoology).
KEATING, GEORGE R., M.SC. (Mathematical Physics).
KÜSTER, EBERHARD (Industrial Microbiology).
NEVIN, THOMAS E., D.SC. (Experimental Physics).
NOLAN, PATRICK J., D.SC. (Geophysics).
PHILBIN, EVA M., D.SC. (Organic Chemistry).
WHEELER, T. S., D.SC., PH.D., F.R.C.SC.I. (Chemistry).

Faculty of Law:
EHLER, SYDNEY Z., DR.JUR. (International Law and International Relations).
FINLAY, WILLIAM D., B.A., S.C. (Law of Contract and Tort).
KENNEY, KEVIN, B.A., LL.B., S.C. (Law of Property and Equity).
O'HANLON, RODERICK J., B.A., BARRISTER AT LAW (Constitutional Law and Criminal Law and Procedure).
(Vacant—Roman Law, Jurisprudence and Legal History).

Faculty of Medicine:
CANNON, PAUL J., M.B., B.CH., B.A.D., M.SC. (Pharmacology).
COAKLEY, JAMES B., M.D., B.CH., B.O.A., M.SC. (Anatomy).
COUNIHAN, TIMOTHY B., M.D., M.R.C.P. (Medicine).
DE VALÉRA, ÉAMONN, M.D., B.CH., M.A.O., F.R.C.P.I. (Midwifery and Gynaecology).
DUNKIN, FRANCIS J., M.B., B.D.S. (Dental Surgery).
DUNNE, JOHN, M.D., D.P.M., D.P.H. (Psychiatry).
FITZGERALD, PATRICK A., M.D., M.CH., M.SC. (Surgery).
FITZGERALD, OLIVER, M.D., M.SC. (Therapeutics).
GERAGHTY, JOHN A., M.D., D.M.R.E. (Radiology).
HARMAN, JOHN W., M.D., M.SC., F.C.A.P. (Pathology).
HICKEY, MAURICE D., M.D., M.SC., D.PH. (Forensic Medicine).
LAVERY, FRANCIS J., M.D., M.CH., D.O.M.S. (Ophthalmology).
MCCARTHY, EARL F., M.D., B.CH., B.A.O., M.SC. (Physiology and Histology).
MEENAN, PATRICK N., M.D., D.C.P. (Microbiology as applied to Medicine).
MURPHY, THOMAS, M.B., B.CH., B.A.O., D.P.H., B.SC.P.H. (Socia and Preventive Medicine).
O'DOHERTY, EDWARD, M.B., M.CH., B.A.O. (Oto-Rhino-Laryngology).
O'DONOVAN, DENIS K., M.D., M.SC., PH.D. (Medicine).
O'MALLEY, EOIN, M.CH., F.R.C.S.I. (Surgery).
SAUNDERS, COLMAN, B.SC., M.B., B.CH., B.A.O. (Pædiatrics).

Faculty of Commerce:
MEENAN, JAMES F., M.A., F.R.ECON.S., BARRISTER-AT-LAW (Political Economy and National Economics of Ireland).

Faculty of Engineering and Architecture:
FITZGERALD, DESMOND P. J., B.ARCH., F.R.I.A.I. (Architecture).
HOGAN, MICHAEL A., B.E., D.SC., PH.D., D.I.C. (Civil Engineering).
LEAHY, PATRICK, M.E., PH.D., A.M.I.MECH.E. (Mechanical Engineering).
MORRISSEY, JOSEPH J., M.E., M.A., M.I.C.E.I. (Electrical Engineering).
O'DONNELL, JOHN P., M.E., B.SC., A.M.I.MECH.E., A.M.I.C.E.I., A.M.I.CHEM.E. (Chemical Engineering).

Faculty of General Agriculture:
CARROLL, JOHN, B.AGR.SC., D.SC. (Agricultural Zoology).
CLARKE, EDWARD, B.AGR.SC., PH.D. (Horticulture).
CLEAR, THOMAS, B.AGR.SC. (Forestry).
RUANE, JAMES B., M.AGR.SC., PH.D. (Farm Management).
(Vacant—Agricultural Chemistry.)

Faculty of Veterinary Medicine:
CAMPBELL, J. J., PH.D., M.SC., M.R.C.V.S. (Veterinary Anatomy).
KELLY, WILLIAM R., M.V.M., M.R.C.V.S. (Veterinary Medicine, Pharmacology and Food Hygiene).
MCALEER, WILLIAM BURKE, PH.D., M.R.C.V.S., D.V.S.M. (Veterinary Physiology and Biochemistry).
MCGEADY, P. A., M.V.S., M.R.C.V.S. (Veterinary Surgery, Obstetrics and Infertility).
MULLANEY, PETER E., M.V.M., M.R.C.V.S. (Veterinary Pathology, Bacteriology and Parasitology).
O'CONNOR, JAMES D., M.R.C.V.S. (Veterinary Hygiene and Animal Husbandry).

University College
CORK

Telephone: Cork 21371

Founded 1845 as Queen's College, Cork. Changed to above in 1908

President: HENRY ST. J. ATKINS, D.SC.
Registrar: Prof. TADHG Ó CIARDHA, M.A., PH.D.
Secretary and Bursar: JAMES HURLEY, M.A., B.COMM.
Librarian: DANIEL O'KEEFFE, M.A.

Number of teachers: 230.
Number of students: 1,245 men, 540 women, total 1,785.

Publications: Many and various through the Cork University Press.

DEANS:

Faculty of Arts: Prof. S. PENDER, M.A.
Faculty of Celtic Studies: Prof. S. CAOMHÁNACH, M.A., PH.D.
Faculty of Commerce: Prof. J. BUSTEED, M.COMM.
Faculty of Law: Prof. E. RYAN, M.A., B.L.
Faculty of Science: Prof. J. J. MCHENRY, M.A., D.SC., F.INST.P.
Faculty of Dairy Science: Prof. C. BOYLE, M.A., B.SC., D.I.C., PH.D.
Faculty of Engineering: Prof. P. COFFEY, M.E., M.INST.C.E.I.
Faculty of Medicine: Prof. P. KIELY, B.SC., M.D., M.CH., F.R.S.C.(ENG.).

PROFESSORS:

Faculties of Arts and Celtic Studies:
BOYLE, Mrs. MARY, M.A. (German).
BREATNACH, RISTEARD, M.A. (Irish Language and Literature).
BYRNE-COSTIGAN, Mrs. ETHNA, M.A., D.ÈS L. (Romance Languages).
CAOMHÁNACH, SÉAMUS, M.A., PH.D. (Celtic Languages and Philology).
FLEISCHMANN, A. G., M.A., B.MUS. (Music).
FOGARTY, JOHN P., M.A., PH.D. (Ancient Classics).
GOOD, Rev. JAMES, B.A., D.D., D.PH. (Theology).
HEALY, JOSEPH G., M.A., PH.D. (Spanish).
HOGAN, JAMES, M.A., D.LITT. (History).
MACCARTHY, Miss BRIDGET G., M.A., PH.D., H.DIP. IN ED. (English).
O'CONNELL, CHARLES S., M.A., B.COMM. (Geography).

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Ó Cuilleanáin, Cormac, M.A., PH.D. (History of Modern Irish Literature).
O'Kelly, M. J., M.A. (Archæology).
Pender, Séamus, M.A. (Irish History).
(Vacant—Education, Philosophy).

Faculty of Commerce:
Busteed, John, M.COMM., F.S.S. (Economics).
Larkin, Rev. W. Paschal, O.F.M.CAP., M.A., PH.D., D.ECON.SC. (Economic Theory).

Faculty of Law:
Murphy, Bryan J., B.A., LL.B. (Jurisprudence, Roman Law, Personal Property).
Ryan, Edward, M.A., B.L. (Common Law, Real Property, Equity).

Faculty of Science:
Brady, Thomas G., M.SC., PH.D. (Biochemistry).
Fahy, Edward F., M.SC., PH.D. (Nuclear and Theoretical Physics).
Kennedy, Patrick B., PH.D., D.SC. (Mathematics).
McHenry, J. J., M.A., D.SC., F.INST.P. (Experimental Physics).
Ó Ciardha, Tadhg, M.A., PH.D. (Statistics).
O'Rourke, Fergus J., M.SC., PH.D., M.B. (Zoology).
Quinlan, P. M., M.SC., B.E., PH.D. (Mathematical Physics).
Roberts, O. M., M.SC., PH.D. (Botany).
Scott, Francis L., D.SC., PH.D., F.R.I.C. (Chemistry).
Teegan, John P., M.SC., PH.D. (Chemical Spectroscopy).

Faculty of Dairy Science:
Boyle, Connell, M.A., B.SC., D.I.C., PH.D. (Agriculture).
McGrath, F. A., B.E., A.M.I.E.E. (Dairy Engineering).
Murphy, M., M.A., B.COMM. (Dairy Accounting and Economics).
O'Mullane, Timothy, M.SC. (Dairy and Food Microbiology).
O'Shea, M. J., M.SC., PH.D. (Dairy Technology).
Pyne, G. T., M.SC., A.R.C.SC.I., F.R.I.C., PH.D. (Dairy Chemistry).

Faculty of Engineering:
Dillon, Charles T. G., M.E., M.I.E.E. (Electrical Engineering).
Dillon, Edmond C., M.E., PH.D. (Concrete Technology).
Dooge, James C. I., M.E., M.SC. (Civil Engineering).

Faculty of Medicine:
Butler, Norman P., M.D.S., F.D.S. (Dental Surgery).
Kearney, W., M.D., M.A.O., F.R.C.O.G. (Obstetrics and Gynæcology).
Kiely, P., B.SC., M.CH., M.D., F.R.C.S. (Surgery).
MacConaill, M. A., M.B., B.CH., B.A.O., D.SC. (Anatomy).
O'Donovan, W. J., M.B., B.SC., D.P.H. (Pathology).
O'Sullivan, Denis J., M.D., M.R.C.P. (Medicine).
Sheehan, John D., B.SC., M.D., M.R.C.P. (Physiology).

University College
GALWAY

Telephone: 2408

Founded 1845 as Queen's College, Galway. Changed to above in 1908.

President: Máirtín Ó Túthail, D.SC.
Secretary and Registrar: Prof. J. Mitchell, B.SC., B.E, F.G.S.
Bursar: Prof. P. Larkin, B.A., H.DIP. in ED.

Number of teachers: 107.
Number of students: 982 men, 451 women, total 1,433.

Deans:

Faculty of Arts: Prof. J. Murphy, M.A., PH.D.
Faculty of Celtic Studies: Prof. T. Ó Máille, B.A., PH.D.
Faculty of Science: Prof. C. Ó. Brolcháin, M.SC., PH.D.
Faculty of Law: Prof. P. J. Gallagher, B.A., LL.B.
Faculty of Medicine: Prof. S. Shea, M.D.
Faculty of Engineering: Prof. D. Ó Caoimh, B.E., PH.D.
Faculty of Commerce: Prof. L. Ó Buachalla, M.COMM., H.DIP.ED.

Professors:

Faculty of Arts and Celtic Studies:
Duignan, Michael V., M.A., H.DIP. IN ED. (Celtic Archæology).
Hayes-McCoy, Gerard A., M.A., PH.D., D.LITT. (History).
Larkin, Patrick, B.A., H.DIP.IN.ED. (Education).
Mac Giollarnáth, Proinnsias, M.A., LL.B. (Romance Languages).
Murphy, Jeremiah, M.A., PH.D. (English Language and Literature).
Ní Éimhigh, Mairéad, M.A. (Ancient Classics).
Ní Maol-Chroin Caitilin, M.A., D.PHIL., H.DIP. IN ED. (Old and Middle Irish and Celtic Philology).
Ó Máille, Tomas, B.A., PH.D. (Modern Irish).
Rabbitte, Rev. Fr. Edwin, O.F.M., D.D., PH.D. (Philosophy).
Shea, Mrs. Margaret M., M.A. (German).

Faculty of Science:
Coll, Francis J., D.SC., PH.D. (Chemistry).
Mac Cionnaith, Eoghan, M.A., M.SC., A.R.C.SC.I. (Mathematical Physics).
Mitchell, James, B.SC., B.E., F.G.S. (Geology, Mineralogy and Geography).
Ó Brolcháin, Cilian, M.SC., PH.D. (Experimental Physics).
Óh Eocha, Colm, M.SC., PH.D., H.DIP.ED. (Biochemistry).
Tóibín, Seán S., M.SC., PH.D., (Mathematics).

Faculty of Law:
Gallagher, Patrick J., B.A., LL.B. (Law and Jurisprudence and Commercial Law).

Faculty of Medicine:
Donegan, Joseph F., B.SC., M.B., B.CH., B.A.O. (Physiology).
Folan, Martin E., M.SC., M.B., B.CH., B.A.O. (Bacteriology).
Kennedy, John D., M.D., M.SC., M.R.C.P. I. (Pathology).
Lavelle, John M., M.D. (Experimental Medicine and Practical Pharmacology).
MacDermott, Edward N., B.SC., M.D., M.CH., F.R.C.S.I. (Therapeutics, Pharmacology and Materia Medica).
Ó Beirn, Seaghan F., M.CH., F.R.C.S.I. (Surgery).
Ó Céidigh, Pádraig, M.SC., PH.D. (Zoology).
O'Donnell, Michael J., M.D., F.R.C.P.I. (Medicine).
O'Dwyer, Edward M., M.B., M.A.O., M.A.C.O.G. (Gynæcology and Obstetrics).
Shea, Stephen, M.D., B.CH., B.A.O. (Anatomy).
de Valéra, Máirín, M.SC., PH.D. (Botany).
(Vacant—Ophthalmology and Otology.)

Faculty of Commerce:
Ó Buachalla, Liam, M.COMM. (Economics, Commerce and Accountancy).

Faculty of Engineering:
Ó Caoimh, Seán D., B.E., PH.D. (Civil Engineering).

ST. PATRICK'S COLLEGE
MAYNOOTH, CO. KILDARE

Telephone: 261

Founded 1795.

Recognised College of the National University.

President: Right Rev. Mgr. Gerard Mitchell, D.D.
Vice-President: Very Rev. Canon P. J. Hamell, D.D.
Secretary: Rev. Thomas Finnegan, B.A., D.C.L.
Bursar: Rev. James Cosgrove, B.A., B.D.
Librarian: Rev. John Corkery, M.A., B.SC., S.T.L., F.L.A.I.

Number of teachers: 45.
Number of students: 570 men.

Publications: *Irish Ecclesiastical Record* (monthly), *Christus Rex* (a quarterly journal of sociology), *Irish Theological Quarterly*, *The Furrow* (monthly), *Philosophical Studies* (annual), *Archivium Hibernicum* (annual), *An Sagart* (quarterly in Irish).

Deans:

Rev. Michael Harty, B.A., B.D., L.C.L.
Rev. Patrick Muldoon, B.A., D.D.
Rev. Thomas Finnegan, B.A., D.C.L.

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DUBLIN INSTITUTE FOR ADVANCED STUDIES

9-10 BURLINGTON ROAD, DUBLIN 4

Founded 1940

Chairman of Council: EDWARD J. CONWAY, D.SC., M.D., B.CH., B.A.O., F.R.S.
Registrar: Miss PATRICIA O'NEILL.

Comprising:

School of Celtic Studies.

Chairman: Rt. Rev. Mgr. PATRICK BOYLAN, P.P., V.G., M.A., D.D., D.LITT.

SENIOR PROFESSORS:

BINCHY, DANIEL A., M.A., PH.D., B.L.
DILLON, MYLES, M.A. ,PH.D.

School of Theoretical Physics.

Chairman: Prof. FELIX E. W. HACKETT, M.A., M.SC., PH.D.

SENIOR PROFESSORS:

LANCZOS, CORNELIUS, PH.D.
SYNGE, JOHN L., M.A., SC.D.

School of Cosmic Physics.

Chairman: Prof. J. H. J. POOLE, M.A., B.A.I., SC.D.

SENIOR PROFESSORS:

ELLISON, M. A., PH.D.
Ó CEALLAIGH, CORMAC, PH.D.

ROYAL COLLEGE OF PHYSICIANS OF IRELAND

KILDARE STREET, DUBLIN

Incorporated 1667, re-incorporated 1692

President: R. E. STEEN, M.D., F.R.C.P.I.
Vice-President: R. S. W. BAKER, M.D., F.R.C.P.I.
Registrar: CHARLES DICKSON, M.D., F.R.C.P.I.

4 King's Professors.
Number of Fellows: 150.

KING'S PROFESSORS:

DAVIDSON, ANDREW H., M.D. (Midwifery).
MICKS, ROBERT H., M.D. (Materia Medica and Pharmacy).
TORRENS, D. S., M.B. (Institutes of Medicine).

ROYAL COLLEGE OF SURGEONS

123 ST. STEPHEN'S GREEN, DUBLIN

Founded 1784

President: T. MILLIN.
Vice-President: E. N. MACDERMOTT.
Curator: M. H. O'CONNOR.
Registrar: Dr. H. O.FLANAGAN.
Secretary: T. G. WILSON.
Librarian: Prof. J. D. H. WIDDESS.

Number of teachers: 56.
Number of students: 600.

PROFESSORS:

ABRAHAMSON, M., M.D., F.R.C.P.I. (Pharmacology).
BEWLEY, GEOFFREY, M.D., F.R.C.P.I., F.R.C.S.I., D.P.H. (Preventive Medicine and Medical Jurisprudence).
BYRNES, C., F.R.C.S.I., L.R.C.P. & L.M., F.A.C.S. (Surgery).
DAVIDSON, ANDREW H., M.D., F.R.C.P.I., F.C.O.G. (Midwifery and Gynæcology).
DUNDON, SHEAMUS, M.D., F.R.C.P.I., D.CH. (Pædiatrics).
GAFFNEY, E., M.SC., PH.D. (Chemistry and Physics).
KANE, FRANK, M.B., B.CH., D.P.H., M.D. (Physiology and Histology).
O'CONNOR, M. H., M.D., D.P.H., B.SC. (Pathology).
THOMSON, ALAN, M.SC., M.D., F.R.C.P.I., M.R.C.P., F.R.A.M.I. (Medicine).
WIDDESS, V. D. H., B.A., L.R.C.P. and S.I. (Biology).

Faculty of Anæsthetics: Dr. T. GILMARTIN.

Faculty of Radiology: D. J. RIORDAN, F.R.C.S.I.

THE VETERINARY COLLEGE OF IRELAND

126 PEMBROKE ROAD, DUBLIN

Founded 1895

The property of the College is vested in the State. Premises, equipment, clinical and field facilities are used by University College, Dublin, and Trinity College, Dublin, to teach Veterinary Medicine and Surgery.

Administrator: B. O'HERLIHY.

SCHOOLS OF ART AND MUSIC

NATIONAL COLLEGE OF ART

KILDARE STREET, DUBLIN

Controlled by the Department of Education; Schools of Design and Industry, Painting, Sculpture, and Preliminary School.

Principal: MICHAEL BURKE.

ROYAL IRISH ACADEMY OF MUSIC

WESTLAND ROW, DUBLIN

Founded 1856, incorporated 1889.

Chairman of Board of Studies: A. J. POTTER, MUS.D., L.R.A.M., A.R.C.M.

Secretary: JAMES CALLERY.

PROFESSORS:

BOGNUDA, CAROC.
BRODERICK, RITA, B.MUS., L.R.A.M.
COPEMAN, DINA, L.R.A.M.
HEWSON, GEORGE H. P., M.A., MUS.D., F.R.C.O.
JABLONSKI, HEINZ.
LORD, NANCIE.
MARSHALL, RHONA, L.R.A.M.
POTTER, A. J., MUS.D., L.R.A.M., A.R.C.M.
STOKES, DOROTHY, L.R.A.M.
THÖNER, MAX.
VIANI, Maestro Cav. ADELIO, F.R.I.A.M.
WEAVING, THOMAS H., F.R.I.A.M.
WHITE, URSULA, B.A., H.DIP.ED., N.U.I.

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ISRAEL

Population 2,320,600

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Academic Circle of Tel-Aviv: P.O. Box 2425, Tel-Aviv; f. 1956 to encourage all branches of scientific research and to promote co-operation between scientists in Israel and abroad; Pres. MOSHE T. HURVITZ.

Academy of the Hebrew Language: P.O. Box 1033, Jerusalem, and P.O. Box 7105, Tel-Aviv; f. 1953 by Academy Law of the Knesset; studies the vocabulary, structure and history of the Hebrew language and officially directs its future development; Pres. Prof. N. H. TUR-SINAI; publs. *Zikhronot, Leshonenu, Lesonenu La'am*, studies, dictionaires.

ACUM Ltd. (Authors', Composers' and Music Publishers' Society): Acum House, 118-120 Rothschild Blvd., Tel-Aviv (P.O. Box 11201); f. 1936; 650 members; Dir.-Gen. M. AVIDOM, F.I.A.I.

Agricultural Research Station: P.O. Box 15, Rehovot; f. by the World Zionist Organisation 1921, transferred to the Ministry of Agriculture 1951; 27 research divisions; also maintains 4 experimental farms; library: *see* "Libraries"; Dir. Dr. I. ARNON.

Architectural Association of Israel: P.O. Box 2425, Tel-Aviv; f. 1952; aims to secure and define the legal and professional status of architects and to promote planning education; offers its members an information service on all planning matters; Pres. Arch. JOSEPH HURVITZ; Sec. S. D. H. KRISS.

Association for the Advancement of Science in Israel: P.O. Box 19, Nes-Ziyyona; f. 1953; 1,950 mems.; Chair. Prof. E. D. BERGMANN; Sec. Dr. A. KOHN; publ. *Proceedings of Congress of Scientific Societies.*

Association of Engineers and Architects in Israel: 200 Dizengoff Road, Tel-Aviv; brs. Jerusalem, Haifa, Nathanya, Beersheba; 3,700 mems.; Chair. Prof. A. TCHETCHIK; library: *see* "Libraries"; publ. *Journal* (monthly).

Association of Hebrew Writers: P.O. Box 4151, Tel-Aviv; publ. *Moznayim* (monthly).

Association of Religious Writers: Jerusalem, P.O.B. 7031; 120 mems.; Pres. Rabbi S. Y. ZEVIN; Chair. Rabbi Dr. ZVI HARKAVY; publs. periodicals, literary collections, books.

Ben-Zvi Institute for Research on Jewish Communities in the Middle East: The Hebrew University, Jerusalem; its most important activity is the photographing of material relating to the peoples of Jewish Communities in the Middle East which is preserved in all the large libraries of Europe and America; library of books published and MSS. written in the Middle East and whose authors are from the Middle East; the Institute is preparing a bibliography of essays and research works on the Jewish Communities in the Middle East; Head ELIAHU ELATH; Dir. MEIR BENAYAHU.

Biochemical Society of Israel: c/o Weizmann Institute of Science, Rehovot; f. 1958; 110 mems.; Sec. N. SHARON, PH.D.

Botanical Society of Israel: c/o The Hebrew University, Jerusalem; aims to promote the advancement of the fundamental and applied branches of botanical science; conducts research, organises lectures and field work; Pres. J. LORCH; Sec. M. LITVAK.

British Council: 13 Idelson Street, P.O. Box 3302, Tel-Aviv; Rep. N. SUTCLIFFE; libraries in Jerusalem (15,000 vols. on deposit with the Hebrew University) and Tel-Aviv (9,000 vols.).

Central Institute for Cultural Relations with Ibero-America, Spain and Portugal: Jerusalem.

Department of Antiquities (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O.B. 586, Jerusalem; f. 1948; engages in archaeological excavations and surveys, inspection and preservation of antiquities and ancient sites, scientific publications. *See also* Archaeological Museum, Research Archives and Library of the Dept. of Antiquities. Dir. of Antiquities Dr. A. BIRAN.

Geophysical Institute of Israel: P.O.B. 120, Azor; f. 1957; activities devoted chiefly to the exploration of petroleum, water and mineral resources to engineering studies in Israel and abroad; Dir. A. RIVLIN.

The Harry Fischel Institute for Research in Talmud and Jewish Law: Israel Aharon Fischel Street, Jerusalem; f. 1932; seminary for Rabbis and Rabbinical Judges; legislation and research publications; codification of Jewish law; Jewish adult education centre; Pres. Rabbi Dr. HERBERT S. GOLDSTEIN; Dir. Rabbi SHEAR-YASHUV COHEN, M.JUR.ADL.

Hechal Shlomo (Seat of Chief Rabbinate): King George St., Jerusalem; f. 1958; centre for Rabbinic Research and religious information; contains Central Rabbinical Library of Israel, museum and Rabbinical Law Courts; Hechal Shlomo is governed by a Committee which includes Rabbi YITZCHAK NISSIM, the Chief Rabbi of Israel; Dir. M. A. JAFFE, LL.B.

Historical Society of Israel, The: P.O. Box 1062, Jerusalem; f. 1925 to promote the study of Jewish history and general history; 850 mems.; Pres. Prof. B. DINUR; publ. *Zion* (quarterly), containing summaries in English.

Independent Biological Laboratories: Kefar-Malal, P.O. Box Ramatayim; f. as a private institution 1929; has established a number of research stations in order to investigate the effect of environmental factors on plant and animal life; collections in the laboratories include 1,500 slides of insects and 1,000 specimens of the flora and fauna from the Mediterranean tidal zone; library of 80,000 vols. and pamphlets, regularly receiving 600 periodicals; Dir. and Owner Dr. JOSEPH CARMIN; publs. *Bulletin* (in English), books on biological research in Hebrew.

Institut Français: 70 Hayarkon Street, Tel-Aviv.

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Israel Academy of Sciences and Humanities: P.O.B. 7032, Jerusalem; f. 1959; promotes work in the sciences and humanities, advises the government on scientific problems, maintains international contacts; 42 mems.; Pres. Prof. A. KATZIR-KATCHALSKY; Vice-Pres. Prof. G. SCHOLEM; Chair. Sciences Section Prof. A. DVORETSKY; Chair. Humanities Section Prof. E. E. URBACH.

Israel-American Institute of Biblical Studies: Rehov Haneviim 55, Jerusalem.

Israel Artists' Association: Jerusalem Artists' House, King David Road (P.O. Box 260), Jerusalem; f. 1948; holds exhibitions of members' works; 400 mems.; Dir. ISIDOR ASCHHEIM.

Israel Association of Archaeologists: P.O. Box 586, Jerusalem; f. 1955; a professional organisation; Chair. Prof. M. AVI-YONAH.

Israel Astronautical Society: c/o Dept. of Aeronautical Engineering, Technion-Israel Institute of Technology, Technion City, Haifa; f. 1958; observations at the satellite moon-watching station; 80 mems.; Pres. JEROME H. SHAFER; Sec. E. SPIEGLER.

Israel Atomic Energy Commission: P.O. Box 7056, Ha-Qirya, Tel Aviv; f. 1952; Chair. E. D. BERGMANN, PH.D.

Israel Bar Association: P.O. Box 1881, Tel-Aviv; 3,000 mems.; Pres. J. ROTENSTREICH; Sec. M. SZATMARY; Hon. Sec. D. MILMAN; publ. *Hapraklit* (quarterly).

Israel Chemical Society: 30 Jehuda Halevy St., Tel Aviv; a scientific and professional association; holds two conventions each year and organises lectures and symposia in various parts of Israel; the society represents Israel in the International Union of Pure and Applied Chemistry; Chair. Exec. Council Dr. HERBERT BERNSTEIN; Gen. Sec. Dr. I. BLANK.

Israel Exploration Society: 3, Shemuel ha- Nagid Street, P.O. Box 7041, Jerusalem; f. 1913; aims: (*a*) to engage in excavations and allied research into the history and geography of Israel; (*b*) to publish the results of such research; (*c*) to educate the public in these matters by means of congresses, general meetings, etc.; Pres. Prof. B. MAZAR; Hon. Sec. J. AVIRAM; publs. *Erez Yisrael* (Hebrew annual), *The Bulletin of the Israel Exploration Society* (Hebrew quarterly), *Israel Exploration Journal* (English quarterly).

Israel Geographical Society: c/o Dept. of Geography, Hebrew University, Jerusalem; f. 1961; 200 mems.; Pres. Prof. D. H. K. AMIRAN; Sec. Dr. D. NIR.

Israel Geological Society: P.O.B. 1239, Jerusalem; f. 1954; 200 mems.; Pres. J. COATES, A.R.S.M.; Sec. D. GINZBOURG, M.SC.; publ. *Bulletin.*

Israel Gerontological Society: P.O. Box 11243, Tel-Aviv; f. 1958; 120 mems.; Chair. Dr. M. WASSER; publ. *Senior Citizen* (quarterly).

Israel Institute for Biological Research: P.O.B. 19, Ness Ziona; f. 1952; both basic and applied research in public health and preventive medicine; library of 30,000 vols.; Scientific Dir. R. A. GOLDWASSER, PH.D.

Israel Institute of Applied Social Research: 19 George Washington Street, Jerusalem; conducts research in social psychology and related fields; Scientific Dir. LOUIS GUTTMAN; Exec. Dir. URIEL G. FOA.

Israel Institute of Productivity: Citrus House, P.O.B. 14102, Tel-Aviv; publs. *Hanif'al, Productivity in Israel,* etc.

Israel Library Association: P.O.B. 7067, Jerusalem; f. 1952; professional and examining body; Chair. Dr. C. WORMANN; Sec. M. Z. BARKAY, M.A.; publs. *Yad la-koré* (*The Reader's Aid*), *Information Bulletin.*

Israel Mathematical Union: Dept. of Mathematics, Technion, Haifa; f. 1953; 190 mems.; Chair. Prof. H. HANANI; Sec. Dr. M. REICHAW; publ. *Yediot Haigud Lematematika be Israel.*

Israel Medical Association: Central Committee, Iben Gevirol Street 49, Tel-Aviv; f. 1912; 17 brs. in Israel; 5,000 mems. in Israel, 4,000 mems. abroad; Chair. Dr. E. SINAI; publs. *Harefuh, Mikhtav Lekhaver* (fortnightly in Hebrew), *Israel Medical Journal* (bi-monthly in English), *Quarterly Review* (English), *Bulletin de L'A.M.I.* (French).

Israel Oriental Society, The: The Hebrew University, Jerusalem; f. 1949; aims to promote interest in and knowledge of life in the Middle East, Asia and Africa; arranges lectures and symposia to study all aspects of contemporary Middle Eastern, Asian and African affairs; Pres. E. ELATH; publs. *Hamizrah Hehadash* (*The New East*) (quarterly 1950-63), *Oriental Notes and Studies* (scientific monographs 1951-63).

Israel Political Sciences Association: c/o Hebrew University, Jerusalem; research and discussions on political and economic problems; the Israel Economic Society (f. 1921) is now incorporated in the Association; Chair. Prof. B. AKZIN.

Israel Psychological Association: P.O. Box 7048, Tel-Aviv; f. 1958; 150 mems.; Sec. Miss R. GREENBERG, M.A.

Israel Society of Aeronautical Sciences: P.O. Box 2956, Tel-Aviv; f. 1951; 99 mems.; Sec. D. SA'AR, B.SC.

Israel Society for Biblical Research: P.O. Box 7024, Jerusalem; aims to disseminate a knowledge of the scriptures by organising lectures and meetings; 43 branches, each with its own study circle of Bible scholars and research workers; Pres. Prof. P. KORNGRUN; Chair. and Exec. Dir. HAIM M. I. GEVARYAHU; Sec. D. RABIN; publ. *Beth Miqra* (essays and bibliography, quarterly); the Society has its own publishing house.

Israel Society of Allergology, The: 23 Balfour Street, Tel-Aviv; f. 1949; about 30 mems.; Pres. Dr. N. LASS.

Israel Society of Criminology: P.O. Box 1260, Jerusalem; 350 mems.; Pres. ZVI BERENSON; Sec. M. HOROVITZ, M.A.; publ. *Bulletin.*

Israel Society of the History of Medicine and Science: 68 Shlomoh Ha-Melekh, Tel-Aviv; 65 mems.; publ. *Korot* (quarterly).

Israeli Centre of the World Union of Jewish Students: 4 Balfour Street, Jerusalem; the cultural and educational centre of the W.U.J.S.; Sec. J. HATVANI; publ. *Hillel.*

Istituto Italiano di Cultura: 14 Hess Street, Tel-Aviv; Dir. Prof. SALOMONE GATTEGNO.

Mekize Nirdamin Society: 22 Hatibonim Street, Jerusalem; f. 1863; the society publishes Hebrew works of the older classical Jewish literature; 600 mems.; Pres. S. J. AGNON; Sec. Prof. E. E. URBACH.

Mosad Harav Kook: P.O.B. 642, Jerusalem; f. 1937; to educate and train young men for research in the field of Torah Literature and to infuse the original Hebrew culture in all classes of the people; Dir. ZEEV BLUMNZWEIG; publs. Torah-Science books, including the printing of MSS. of previously unpublished *Rishonim* works that are still retained in Genizah form.

National Council for Research and Development: P.O.B. 5192, Jerusalem; attached to the Prime Minister's office; formulates national policy for research and development, advises the government on the allocation of funds for research and development, through its

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own laboratories conducts research in various fields; Chair. Prof. DAVID GINZBURG; Vice-Chair. and Dir. DANIEL SHIMSHONI; publ. *Bulletin*.

Negev Institute for Arid Zone Research: P.O.B. 79, Beersheba; f. 1956; included in UNESCO's Arid Zones Major Project; engages in research for development and rehabilitation of the Negev and similar arid zones; extends facilities and services to settlers in Negev area; Dir. J. SCHECHTER.

Orientalisches Institut der Görres-Gesellschaft (*Oriental Institute of the Görres Society*): Jerusalem; historical and archæological studies.

Physical Society of Israel: c/o Hebrew University, Jerusalem; f. 1954; Sec. H. KASHA, D.SC.; 160 mems.

Rogoff Medical Institute: Beilinson Hospital, P.O. Box 85, Petah Tiqwa; f. 1955; Dir. Prof. A. DE VRIES, M.D.

Society of Municipal Engineers of Israel: Edouard Bernstein Street 15, Tel-Aviv; f. 1937; 75 mems.; Pres. M. AMIAZ; Hon. Sec. G. SHIFRON.

Standards Institution of Israel, The: Bney-Yisra'el St., Ramat Aviv, Tel-Aviv; f. 1945; tests the compliance of commodities with the requirements of standard specifications; conducts technological research; publishes the National Standards Specifications and Codes; library of 50,000 vols.; Dir. FEIVEL HADASS, MECH.E.; publ. *Bulletin* (bi-monthly).

Swedish Theological Institute: Rehov Haneviim 58, P.O.B. 37, Jerusalem.

U.S. Information Center: 20 Bialik Street, Tel-Aviv.

Weizmann Institute of Science: Rehovot; f. 1949; consists of the Daniel Sieff Research Institute (f. 1934), the Institute of Physics and Physical Chemistry (f. 1949), The Precision Instrument Workshop (f. 1949), the Department of Experimental Biology (f. 1951), the Wix Auditorium (f. 1956), the Nuclear Science building (f. 1958), the Wix Central Library and Weizmann Archives (f. 1958), the Nuclear Science Institute (f. 1958), and a large housing area for scientific and administrative staff

Chairman of Board of Governors: DEWEY D. STONE; *President:* ABBA EBAN.
Chairman of Executive Council: MEYER W. WEISGAL.
Chairman of Scientific Committee: GERHARD M. J. SCHMIDT, D.PHIL.
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Executive Vice-Chairman: JULIAN L. MELTZER.
Controller: Dr. HANS KARGER.
Secretary, Governing Bodies: Mrs. MARGALIT SELA.
Academic Secretary: JACOB RYCUS.
Chief Librarian: DAVID R. WAHL, M.SC in L.S.

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Department of Applied Mathematics: CHAIM L. PEKERIS, D.SC.
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Department of Electronics: (Vacant).
Department of X-ray Crystallography: G. M. J. SCHMIDT, PH.D.
Department of Isotope Research: ISRAEL DOSTROVSKY, PH.D.
Department of Polymer Research: AHARON KATCHALSKY, PH.D.
Department of Biophysics: EPHRAIM KATCHALSKI, PH.D.
Department of Organic Chemistry: Dr. FRANZ SONDHEIMER.
Department of Experimental Biology: ISAAC BERENBLUM, M.D., M.SC.

There are also sections for biochemistry, photochemistry, infrared spectroscopy and plant genetics.

The Institute offers doctoral courses and degrees.

Wilfrid Israel House for Oriental Art and Studies: Kibbutz Hazorea, Post Hazorea (near Haifa); f. 1947; opened 1951 in memory of the late Wilfred Israel; a cultural centre for reading, study and art exhibitions; special attention is given to the art and culture of the ancient and modern Middle and Far East; houses the Wilfrid Israel collection of ancient sculpture and Palestinian archæological exhibits from neolithic to Byzantine times; science and art library; Dirs. JOSEF AMIR, Dr. URI R. BAER; Sec. SH. OPPENHEIMER.

Zoological Society of Israel: c/o Dept. of Zoology, Hebrew University, Jerusalem; f. 1940; 300 mems.; Chair. Dr. ADAM BEN-TUVIAH; Sec. U. SAFRIEL.

LIBRARIES AND ARCHIVES

Borochov Library: c/o Haifa Labour Council, P.O. Box 5226, Haifa; f. 1921; number of volumes, 40,000 in central library, 60,000 in twenty-four branches; Chief Librarian EZECHIEL OREN.

Central Agricultural Library: 25 Lilienblum Street, P.O. Box 1575, Tel-Aviv; f. 1938; 20,000 books and 30,000 booklets, in Hebrew, English, Russian, German and French; 13,832 books lent during 1956; Librarian ISRAEL BEN-SHEM.

Central Music Library in Israel: 1 Huberman Street, Tel-Aviv (P.O.B. 11229); f. 1950; Librarian TZVI AVNI.

Central Rabbinical Library of Israel: King George Avenue 58, Jerusalem; f. 1953; 60,000 vols. on Rabbinica and Judaica; Dir. and Chief Librarian Rabbi Dr. ZVI HARKAVY; publ. *Hasefer* (The Book).

Central Zionist Archives, The: P.O. Box 92, Jerusalem, f. 1919; number of volumes 42,000, 3,500 m. of files, 3,700 newspapers, 40,000 pictures, 207 private archives and collections; 200 magnetic tapes; 162,000 items of small printed matter; Dir. Dr. A. BEIN; Dep. Dir. I. KLAUSNER; Librarian Mrs. H. ABRAHAMI; publs complete Hebrew edn. of Theodor Herzl's writings; guides to the collections; selected documents; *Zionist Literature* (monthly bibliographic bulletin).

"Dvir Bialik" Public Library: Bialik Street 42, Ramat-Gan; f. 1945; number of volumes, 70,000; maintains four branches; Chief Librarian JERACHMIEL SLUZKY.

General Archives of the City of Tel-Aviv-Yafo: 27 Bialik Street, Tel-Aviv; Chief Registrar PINCHAS RASSIS.

Haifa College Library: 20 Perez Street, Haifa; f. 1951; 20,000 vols., covering humanities and social sciences.

Israel Institute of Technology Library: P.O. Box 4910, Haifa; f. 1925; open to public; serves as main centre for scientific and technical information in Israel; number of vols., 85,000; 25,000 vols. of periodicals in pure sciences, applied sciences, technology and architecture; Chief Librarian T. GLADSTEIN, D.SC.

Jewish Historical General Archives, The: P.O. Box 1062; Jerusalem; f. 1940; maintained by the Jewish Historical Society of Israel; Dir. D. J. COHEN, M.A.; this institution is intended to serve as the central archives of Jewish history.

Jewish National and University Library: P.O.B. 503, Jerusalem; f. 1884; number of volumes: one million, including those on the Mount Scopus premises; 6,350 MSS. 102 incunabula (70 in Hebrew and 32 in other languages); large medical department with 30,000

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bound volumes of periodicals and 10,000 books, to which 21 branch medical libraries are affiliated; special collections include the Dr. Abraham Schwadron Collection of Jewish Autographs and Portraits, the Dr. Harry Friedenwald Collection on the History of Medicine, and the private Music Collection of Serge Koussevitzky; Dir. Dr. CURT WORMANN.

Kfar Giladi Library: Kfar Giladi, Upper Galilee; f. 1934; number of volumes 30,000, 110 periodicals; maintains reading-room for members of the Kfar Giladi settlement; organises concerts and exhibitions of paintings; collection of classical music records; Librarian M. O. MAYER.

Library of the Association of Engineers and Architects in Israel: 200 Dizgenoff Road, Tel-Aviv; f. 1939; covers all branches of engineering and chemical technology; open to the general public; 15,000 vols., 280 current periodicals; Librarian Mrs. L. VILENTCHUK, C.E.

Library of the Central Bureau of Statistics: P.O. Box 3015, Jerusalem; f. 1948; approx. 20,000 vols.

Library of the Israel Department of Antiquities (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; collections mainly on the archaeology, ancient history and civilisations of Israel and the Middle East; Dir. of Antiquities: Dr. A. BIRAN; Librarian Dr. M. CASSUTO SALZMANN.

Library of Seminar Hakibbutzim: Tel-Aviv; 23,000 vols.; Librarian RACHEL SHACHAR.

Library of the Knesset: Knesset Post Office, Jerusalem; f. 1949; 40,000 volumes, including books, bound periodicals and collection of all Israeli Government publications and UN publications; Librarian S. WASSERMANN.

Library of the Ministry of Foreign Affairs: Hakirya; f. 1948; 16,000 volumes, 6,000 pamphlets, 300 periodicals; Librarian Mrs. H. PYLAUM, PH.D.

Library of the Ministry of Justice: Jerusalem; f. 1948; including 17 branch libraries, 30,000 vols.; Librarians Drs. A. SILBERFELD and R. D. COHN.

Library of the National and University Institute of Agriculture: P.O.B. 12, Rehovot; f. 1960 by merger of the libraries of the Government Agricultural Research Station and the Hebrew University's Faculty of Agriculture; facilities extend to staff (teaching and research) of the institute, to its students and interested members of the public; maintains exchange relations with 400 scientific institutions throughout the world; 35,000 vols., 1,000 current periodicals, 60,000 pamphlets; Librarian S. SEVER.

Library of the Pontifical Biblical Institute: King David and Botta Streets, Jerusalem; f. 1927; number of volumes, 9,500 chiefly on Palestine archaeology and geography; also small museum with most of the discoveries from the excavations at Teleilat Ghassul; Librarian and Dir. Rev. Prof. LOUIS SEMKOWSKI, S.J.

Library of the Supreme Court: Jerusalem; f. 1949; 11,000 vols.; Librarian J. HAI ISAC.

Library of the Technion—Israel Institute of Technology: P.O.B. 4910, Haifa; f. 1925; centre for scientific and technical information in Israel; open to the public; 95,000 vols.; 30,000 vols. of bound periodicals; 4,500 current periodicals; Dir. T. GLADSTEIN, D.SC.

Municipal Library: P.O. Box 80, 8 Montefiore Street, Tel-Aviv-Jaffa; f. 1891; number of volumes, 145,600; general library in 12 languages, with eleven branches comprising 127,823 volumes; City Librarian ITHAMAR LEEF.

Pevsner Library: 54 Pevsner Street, Haifa; f. 1934; 60,000 vols. covering all fields of literature and science, in Hebrew, English, German, French, Polish and Russian: Dir. S. ROSENHAK.

Public Library in Memory of William and Chia Boorstein: Nahariya; f. 1946; under the professional supervision of the Jewish National and University Library, Jerusalem; number of volumes, 22,000; Librarian EPHRAIM TH. JOEL.

Rambam Library: 16 Yavneh Street, Tel-Aviv; f. 1935; 35,000 volumes; Librarian R. MARGALIOT.

Research Archives of the Israel Department of Antiquities (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; written records, photographic records, maps and plans; Dir. of Antiquities Dr. A. BIRAN; Archivist Y. H. LANDAU.

Schocken Library: Rehavia, Jerusalem; f. 1909; number of volumes 55,000, MSS. 200, photostats (Hebrew Liturgy and Poetry) 20,000, etchings and drawings 7,000; Librarian A. M. HABERMANN.

Tel-Aviv University Library: P.O.B. 4543, 155 Herzl Street, Tel-Aviv; f. 1954; 100,000 vols. in the fields of Natural Sciences, Humanities and Jewish Studies, incl. special collections of Prof. F. Bodenheimer (Zoology), the Pereman Collection (Jewish Studies and Archaeology), the Assaf Simchoni Library (Military History), and the Achad Ha'am Library (Judaica and Hebraica); Acting Dir. Dr. S. SIMONSOHN.

Wix Central Library and Weizmann Archives: *see under* Weizmann Institute of Science.

Workers' Library: New Histadruth Building, Jerusalem; 56,000 vols., including children's books, fiction and popular science; special emphasis on Hebrew literature, Jewish history and social sciences; five branch libraries; Chief Librarian SHALOM YOELI.

Y.M.C.A. Library: P.O. Box 294, David Hamelech Street, Jerusalem; f. 1933; number of volumes, *c.* 25,000; Librarian Mrs. HELEN MYER.

MUSEUMS

Akko Municipal Museum: Akko, Old City; f. 1954; housed in an old Turkish bathhouse; collections of local antiquities, ancient and medieval Arab folklore; arms and oriental jewellery section; Dir. Dr. ZEEV GOLDMAN.

Achad Ha'am House: Archad Ha'am Street, Tel-Aviv.

Archaeological Museum of the Department of Antiquities (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; exhibition of antiquities mainly from excavations in Israel, illustrating the history of the Land of Israel and its people from prehistory to Arab times; temporary exhibitions of recent excavations; Dir. of Antiquities Dr. A. BIRAN; Chief Curator Dr. P. P. KAHANE.

Beit Ha'Omanim (*Jerusalem Artists' House*): David Hamelech Street, Jerusalem; permanent exhibitions of works by Jerusalem artists.

Beit Shean Museum: Beit Shean; flint, pottery, bronze, etc.; Roman and Byzantine mosaics; remains of the Roman theatre and ancient synagogue.

"Bezalel" National Museum: P.O. Box 398, Jerusalem; f. 1906; large collection of Jewish ecclesiastical art; collection of arts and crafts, paintings, drawings and sculptures of all periods; also collection of 40,000 prints, 100,000 reproductions, 30,000 book plates, and an art library of 30,000 vols.; Dir. of Archives Dr. F. SCHIFF; Librarian D. G. BATH-HANNAH.

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Caesarea Museum: Kibbutz Sedot Yam; f. 1950; collection of antiquities from the region of ancient Caesarea; Dir. A. WEGMAN.

Ethnological Museum and Folklore Archives: 19 Arlosoroff Street, Haifa.

Glicenstein Museum: Safad; f. 1953; paintings and sculptures of the late Hanoch Glicenstein; Dir. EMANUEL ROMANO GLICENSTEIN.

Haaretz Museum: nr. Ramat Aviv, Tel-Aviv; comprises the following collections of the Tel-Aviv Municipality which are housed in different pavilions and are intended to form a museum of Eastern Mediterranean Cultures; Admin Dir. CH. ELPERIN:

Glass Museum: f. 1958; contains exhibits from the Amarna period to Arab times.

Coin Museum: f. 1962; history of coinage from the beginning to the present day; Dir. A. KINDLER.

Museum of Antiquities of Tel-Aviv-Yaffo: f. 1962; objects from the excavations in the Yaffo and Tel-Aviv area.

"Ginza" Museum of Jewish Art and Folklore: f. 1961; Dir. Ing. D. DAVIDOVITZ.

Museum of the History of Tel-Aviv: f. 1959; documents and pictures of Tel-Aviv; Dir. Dr. M. ALTBAUER.

Museum Tel Qasile: f. 1948; objects taken from the Tel Qasile excavations mainly of the Israelite periods.

Library, photographs and archives.

Hayim Sturman House: Museum and regional centre for science and education in Gilboa-Beth-Shean Region; P.O. Ein-Harod; f. 1941; departs. of archæology, history, economy, natural history and defence; Dir. S. SEVORAI.

Herzl Museum: Har Herzl, Jerusalem.

Israel Museum: Jerusalem; now under construction; when complete it will include the Samuel Bronfman Biblical and Archaeological Museum, the Art Museum—Bezalel National Museum—and the Shrine of the Book, which is to house the Dead Sea Scrolls, at present at the Hebrew University, Jerusalem.

Jabotinsky Museum: King George Street, Tel-Aviv.

Kefar Menahem Regional Museum: Kibbutz Kefar Menahem; f. 1950; collection of regional antiquities; section of mineralogy and petrology; permanent exhibition of Kibbutz artists; paintings and sculptures; Dir. M. ISRAEL.

Ma'ayan Baruch Museum: Ma'ayan Barukh Upper Galilee; f. 1952; regional antiquities including Palaeolithic and Chalcolithic implements and exhibits from Middle Bronze Age tombs and from Roman and Byzantine periods; Dir. A. ASSAF.

Maritime Museum: 2 Ha-Namal Street, Haifa; f. 1954; large collection of ship models illustrating 5,000 years of navigation and shipbuilding, old maps, undersea archaeology, and ancient coins connected with seafaring; Dir. Lt.-Cdr. A. BEN ELI.

Municipal Museum of Antiquities: Tiberias; f. 1953; collection of antiquities from Tiberias and region, mainly of the Roman, Byzantine and Arab periods; Dir. ELISHEVA BALLHORN.

Museum of Ancient Art: Municipality, Haifa; f. 1948; large collection of Middle Eastern sculpture, pottery and glass, including late Graeco-Roman art; local coins, Coptic textiles, Fayum portraits, provincial art, Hebrew and Hellenistic cities, ancient Iranian art; Dir. JOSEPH ALGAVISH.

Museum of Japanese Art: Hanassi Avenue, Haifa; f. 1960; 4,000 items; paintings, prints, lacquer work, ceramics, metalwork; Dir. Miss AYAKO IMAI.

Museum of Modern Art: Municipality, Haifa; f. 1951; collection of contemporary Israeli art, modern French, Dutch, Swiss, Italian and American gouaches, water-colours, drawings and prints, collections of posters from museums and galleries; Dir. ZDZISLAW HRYCAK; Dir.-Gen. Dr. F. SCHIFF.

Museum of Prehistory: Sha'ar Ha-golan, Jordan Valley; f. 1950; large number of exhibits from the neolithic Yarmukian culture excavated in the region; Dir. Y. ROTH.

Museum of Prehistory of the Department of Archaeology in the Hebrew University: Crémieux Street, Jerusalem; f. 1955; large collection of objects from prehistoric sites in Israel; library; Dir. Prof. M. STEKELIS.

Museum of the Franciscan Order: P.O. Box 4136, The Flagellation, Jerusalem; Curator AUG. SPYKERMAN, O.F.M.; Dir. The Most Rev. Fr. ALFR. POLIDORI, O.F.M.

Negev Museum: Beersheba; f. 1954; exhibits from regional excavations, mainly from the Chalcolithic, Israelite and Roman Byzantine periods; Bedouin Folklore collection; collection of modern Israeli art; Curator R. LOHAT.

Tel-Aviv Museum of Art: Dizengoff House, 16 Rothschild Blvd., f. 1931; and Helena Rubinstein Pavilion, Tarsat Blvd., Tel-Aviv; f. 1959; paintings of the 18th and 19th centuries, and modern paintings, graphic art and sculptures, including works by Israel artists; art library containing 6,000 volumes; weekly chamber music concerts, lectures and films on art; Dir. MOSHE KANIUK.

Terra Santa Museum: Terra Santa, Nazareth; f. 1920; crusader capitals of the Church of Annunciation, coins, Roman and Byzantine glass; collection of antiquities from excavations made in the monastery compound; administered by Fathers of the Franciscan Order.

Y.M.C.A. "Herbert E. Clark" Collection of Near Eastern Antiquities: Y.M.C.A. Building, David Hamelech Street, Jerusalem; f. 1933; flint implements, pottery, glass, jewellery, cylinder seals, cuneiform tablets, scarabs, terracotta and bronze figurines; Custodian Mrs. HELEN MYER.

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Number of volumes in Library: 47,000.
Number of teaching staff: 125.
Number of students: 849 (spring 1962).

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University Institute: Haifa; f. 1963; liberal arts.

TEL-AVIV UNIVERSITY
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155 HERZL STREET, TEL-AVIV
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Number of students: 1,672.

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The Israel Academy of Music: Tel-Aviv; Dir. Prof. O. PARTOS.

TECHNION

ISRAEL INSTITUTE OF TECHNOLOGY
HAIFA

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COLLEGES AND HIGHER INSTITUTES

Afro-Asian Institute for Labour Studies and Co-operation: Tel-Aviv; f. 1960; to teach development, co-operation and labour problems to African and Asian students; English-speaking course January-April, French-speaking course September-December every year; 50 students each course; special courses on selected subjects May-July; 640 graduates from 53 countries; Chair. ELIAHU ELATH; Principal AKIVA EGER.

Etz Hayim, General Talmud Torah and Grand Yeshivah: P.O. Box 300, Jerusalem; f. 1841; 1,400 students; library of 10,000 vols.; President: Rabbi I. Z. MELTZER.

Graduate School of Surveying: Holon; under the Survey Dept. of the Ministry of Labour; two-and-a-half year course for land surveyors.

Hebrew Conservatoire: 22 Dizengoff Street, Tel-Aviv; f. 1910; Dir. M. RAVINA; Musical Adviser Prof. LEO KESTENBERG; 250 students.

Pontifical Biblical Institute: King David and Botta Streets, Jerusalem, P.O. Box 497; f. 1927 as a branch of the Pontifical Biblical Institute of Rome; fosters the study of Biblical geography and archæology; organises student tours with topographical lectures; Prehistorical Museum containing discoveries of Teleilat Ghassul, a chalcolithic site in the Jordan valley, excavated by the Institute; Dir. Rev. Prof. LOUIS SEMKOWSKI, S.J.; publs. *Biblica, Orientalia, Verbum Domini*; library.

Rubin Academy of Music, Jerusalem (Under the supervision of the Ministry of Education and Culture): 7 Peretz Smolenskin Road, Jerusalem; offers 4-year courses for Teachers' Diplomas, post-graduate studies for Artists' Diplomas in composition, conducting, voice training, instrument playing and dancing.

Swedish Theological Institute: 58 Street of the Prophets, P.O. Box 37, Jerusalem; f. 1951; Dir. Rev. Dr. theol. H. KOSMALA.

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ITALY

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LEARNED SOCIETIES AND RESEARCH INSTITUTES

ACCADEMIA NAZIONALE DEI LINCEI

ROME, PALAZZO CORSINI, VIA DELLA LUNGARA 10

Telephone: 650421

Founded 1603

President: Prof. GINO CASSINIS.

Administrator: Prof. MAURO PICONE.

It is divided into two classes: (1) Physics, Mathematics, and Natural Sciences, with seventy-two national associates; and (2) Philosophy, History, and Philology, with seventy-two national associates.

The library contains 366,813 volumes, 2,293 incunabula, 4,000 MSS. (*see* p. 651).

Publications: *Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali*; *Rendiconti della Classe di Scienze Morali, Storiche e Filologiche*; *Memorie della Classe di Scienze Fisiche, Matematiche e Naturali*; *Memorie della Classe di Scienze Morali, Storiche e Filologiche*; *Notizie degli Scavi*; *Quaderni*; *Annuario*.

MATHEMATICS AND MECHANICS

A. Mathematics

BOMPIANI, E.
CANTELLI, F. P.
CHISINI, O.
PICONE, M.
SANSONE, G.
SEGRE, B.
TERRACINI, A.
TRICOMI, F.

B. Mechanics

AMOROSO, L.
COLONNETTI, G.
CROCCO, G. A.
DE MARCHI, G.
FERRARI, C.
FINZI, B.
KRALL, G.
PISTOLESI, E.

ASTRONOMY, GEODESY AND GEOPHYSICS

A. Astronomy

ABETTI, G.
NOBILE, V.
RIGHINI, G.
ZAGAR, F.

B. Geodesy and Geophysics

CALOI, P.
CASSINIS, G.
DORE, P.
SOLAINI, L.

PHYSICS AND CHEMISTRY

A. Physics

AMALDI, E.
BERNARDINI, G.
CARRELLI, A.
FERRETTI, B.
OCCHIALINI, G. P. S.
PERSICO, E.
PERUCCA, E.
POLVANI, G.
RASETTI, F.
WATAGHIN, G.

B. Chemistry

BONINO, G. B.
BOZZA, G.
CAGLIOTI, V.
CAMBI, L.
MAROTTA, D.
NATTA, G.
QUILICO, A.

GEOLOGY, PALÆONTOLOGY AND MINERALOGY

A. Geology and Palaeontology

DAL PIAZ, G. B.
DESIO, A.
GORTANI, M.
MERLA, G.
PENTA, F.

B. Mineralogy

BIANCHI, A.
CAROBBI, G.
ONORATO, E.
PANICHI, U.

BIOLOGICAL SCIENCES

A. Botany

CAPPELLETTI, C.
SAVELLI, R.
TONZIG, S.
TROTTER, A.

B. Zoology

D'ANCONA, U.
GHIGI, A.
GRANDI, G.
LEVI, G.
OLIVO, O. M.
PENSA, A.
SERGI, S.

C. Physiology

AMANTEA, G.
BOVET, D.
MARGARIA, R.
MORUZZI, G.
PUPILLI, G. C.
ROSSI-FANELLI, A.

D. Pathology

ALOISI, M.
BOMPIANI, G.
CALIFANO, L.
CASTELLANI, A.
PUNTONI, V.

PHILOLOGY

BENEDETTO, L. F.
CASTIGLIONI, L.
CERULLI, E.
CONTINI, G.
DEVOTO, G.
FRANCESCHINI, E.
GABRIELI, F.
LEVI DELLA VIDA, G.
MAVER, G.
MIGLIORINI, B.
MONTEVERDI, A.
PARATORE, E.
SCHIAFFINI, A.
TERRACINI, A. B.

ARCHÆOLOGY

BIANCHI BANDINELLI, R.
DEGRASSI, A.
FERRI, S.
LUGLI, G.
MUSTILLI, D.
ROMANELLI, P.
ZANCANI MONTUORO, P.

ART AND POETRY

BACCHELLI, R.
CECCHI, E.
DELLA CORTE, A.
FIOCCO, G.
FUBINI, M.
LONGHI, R.
RONGA, L.
SALMI, M.
VALGIMIGLI, M.

HISTORY AND ANTHROPOLOGY

BIASUTTI, R.
CESSI, R.
CALAMONICO, C.
FALCO, G.
FERRABINO, A.
MOMIGLIANO, A.
MORGHEN, R.
PONTIERI, E.
RODOLICO, N.
SALVATORELLI, L.

PHILOSOPHICAL SCIENCE

ALIOTTA, A.
CALÒ, G.
GUZZO, A.
LAMANNA, F. P.
NICOLINI, F.
TROILO, E.

JURIDICAL SCIENCE

ARANGIO RUIZ, V.
BIONDI, B.
CALASSO, F.
DE FRANCISCI, P.
GRECO, P.
GROSSO, G.
JEMOLO, C. A.
MESSINEO, F.
MORELLI, G.
SANTORO-PASSARELLI, F.
SEGNI, A.
VOLTERRA, E.

SOCIAL AND POLITICAL SCIENCE

BOLDRINI, M.
BRESCIANI TURRONI, C.
CORBINO, E.
DEL VECCHIO, G.
DEMARIA, G.
DOMINEDÒ, V.
FANNO, M.
GINI, C.
LIVI, L.
LUZZATTO, G.
MORTARA, G.
PAPI, U.
SAPORI, A.

Accademia di Belle Arti (*Academy of Fine Arts*): Piazza S. Francesco al Prato, Perugia; f. 1546; 765 Academicians, 729 Hon. Academicians; collections of paintings, engravings, drawings, etc.; Pres. Prof. SALVATORE VALITUTTI; Dir. Prof. Arch. PIETRO FRENGUELLI; Sec. of Council of Academy Dr. NINO MADAU DIAZ; Administrative Dir. Prof. MARIO SOLINAS.

Accademia Americana (*American Academy in Rome*): via Angelo Masina 5, Rome; f. 1897; library of 70,000 vols.; Librarian I. LONGOBARDI.

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Accademia Filarmonica Romana (*Rome Philharmonic Academy*): via Flaminia 118, Rome; f. 1821; library of 1,500 vols.; Pres. Duke Filippo Caffarelli; Vice-Pres. Mrs. Adriana Panni.

Accademia Medica: Policlinico, Rome; f. 1876; library of 20,000 vols.; Pres. Prof. Pietro di Mattei; Sec. Prof. P. Stefanini.

Accademia Polacca di Scienze e Lettere (*Polish Academy of Science and Letters*): Biblioteca di Roma—Vicolo Doria 2, Rome; f. 1886; library of 30,000 vols.; Dir. Prof. Dr. Bronislao Bilinski.

Accademia Petrarca di Lettere, Arti e Scienze (*Petrarch Academy of Letters, Arts and Science*): via dell' Orto, Arezzo; f. 1810; 413 mems.; library of 16,000 vols.; Pres. Prof. Mario Salmi; Sec. Alfredo Bennati; publs. *Atti e Memorie della Accademia, Studi Petrarcheschi.*

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Ripetta, 218b, Rome; Pres. Stanislao Ceschi.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Belle Arti 54, Bologna; f. 1710; library of 15,000 vols.; Librarian Prof. Rezio Buscaroli.

Accademia di Belle Arti (*Academy of Fine Arts*): via Ricasoli 66, Florence; f. 1801; library of 22,000 vols.

Accademia Toscana di Scienze e Lettere la Colombaria (*La Colombaria Tuscan Academy of Science and Letters*): via S. Egidio 21, Florence; f. 1735; library of 7,000 vols.; Pres. Prof. Giacomo Devoto (1960-63); Gen-Sec. Prof. Paolo Graziosi (1960-63).

Accademia Economico-Agraria dei Georgofili (*Academy of Agrarian Economics*): Loggiato degli Uffizi, Florence; f. 1753; library of approx. 34,000 vols.; Librarian Prof. Marino Gasparini.

Accademia della Crusca: Piazza dei Giudici 1, Florence; f. 1582; Pres. Prof. Bruno Migliorini; Dir. of Philological Studies Gianfranco Contini; Sec. Vittorio Santoli; publs. *Vocabolario degli Accademici della Crusca, Autori classici e documenti di lingua, Vocabolari e Glossari, Studi di filologia italiana.*

Accademia Ligure di Scienze e Lettere (*Academy of Sciences and Letters*): via Balbi 10, Genoa; f. 1890; library of 30,000 vols.; Dir. Prof. B. Minoletti.

Accademia di Belle Arti (*Academy of Fine Arts*): via Brera 28—Palazzo di Brera, Milan; f. 1776; library of 20,000 vols.; Pres. Dr. Paolo Gandiani; Dir. Prof. Golzio Vincenzo.

Istituto Lombardo di Scienze e Lettere: via Brera 28, Milan; f. 1803; 260 mems.; library of 180,000 vols., 330 Italian periodicals, 600 foreign periodicals; Pres. Prof. Giulio de Marchi; Vice-Pres. Prof. Aristide Calderini; Secs. (Letters) Prof. Pietro Vaccari, (Science) Prof. Silvio Ranzi; publs. *Rendiconti, Memorie.*

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Bellini 36, Naples; f. 1838; library of 7,000 vols.; Dir. Prof. Costanza Lorenzetti.

Società Nazionale di Scienze, Lettere e Arti—Ex-Società Reale (*National Society of Science, Arts and Letters*): via Mezzocannone 8, Naples; library of 9,875 vols.; Dir. Prof. Michele Fuiano.

Accademia Nazionale dei Quaranta (*National Academy of Forty*): via del Castro Laurenziano 27, Rome; f. 1782 as the Italian Society of Sciences; 40 Italian, 12 foreign mems.; Pres. Prof. Domenico Marotta; Sec. Prof. Pasquale Pasquini; publ. *Rendiconti dell'Accademia Nazionale dei Quaranta* (annual).

Accademia di Scienze, Lettere ed Arti (*Academy of Sciences, Letters and Arts*): via Emerico Amari 162, Palermo; library of 14,000 vols.; Pres. Prof. M. Pavone; Dir. G. d'Anna.

Cenacolo Triestino: Piazza della Borsa 14 (Palazzo della Camera di Commercio), Trieste; academy of economic and social studies; publ. *Bollettino*, and *Osservatore Economico e Sociale.*

Accademia delle Scienze (*Academy of Sciences*): via Accademia delle Scienze 6, and via Maria Vittoria 3, Turin; f. 1757; library of 150,000 vols.; Pres. Prof. Giuseppe Grosso; publs. *Memorie, Atti* (yearly); library *see* page 651.

Accademia di Agricoltura di Torino (*Academy of Agriculture of Turin*): via Andrea Doria 10, Turin; f. 1785; library of 10,100 vols.; Dir. Barone Dott. Giovanni Donna d'Oldenico.

Accademia di Medicina (*Academy of Medicine*): via Po 18, Turin; f. 1946; library of 1,192 vols.; Dir. Prof. Angelo Allodi.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): Dorsoduro 1050, Venice; f. 1750; Pres. Conte Ing. Alessandro Passi; Dir. Prof. Dr. Giuseppe de Logu; Sec. Dr. Carlo de Paola.

Istituto Veneto di Scienze, Lettere ed Arti (*Venetian Institute of Science, Letters and Arts*): Campo S. Stefano 2945, Venice; f. 1838; library of 158,000 vols.; Pres. Prof. Francesco Marzolo; publs. *Atti, Memorie.*

Institutum Romanum Finlandiae: Villa Lante, Passeggiata del Gianicolo 10, Rome; f. 1938; general history; Dir. Prof. Jaako Suolahti.

CONSIGLIO NAZIONALE DELLE RICERCHE (C.N.R.)
(National Research Council of Italy)

PIAZZALE DELLE SCIENZE 7, ROME

Founded 1923

Objects: (1) to promote and co-ordinate scientific research in the field of mathematical, physical and natural sciences, both pure and applied (inclusive of engineering, medicine and agriculture, and exclusive of nuclear research); (2) to make grants-in-aid to scientific institutes or to individual research workers; (3) to advise the various ministries on scientific and technical matters.

President: Prof. Giovanni Polvani.
Secretary-General: Dr. Franco Rolla.

Presidential Council (Consiglio di Presidenza): 14 mems.: the President, the 11 Chairmen of the National Consultative Committees, the Governor of the Bank of Italy and the Secretary-General of the C.N.R.; the Presidential Council is responsible for scientific and technical administration.

Administrative Board (Giunta Amministrativa): 5 mems.: the President, the Chairmen of 2 National Consultative Committees, the Governor of the Bank of Italy and the Secretary-General of the C.N.R.; the Board is responsible for the economic and financial administration of the C.N.R.

National Consultative Committees (Comitati Nazionali di Consulenza): The field of activities of the C.N.R. is being extended to include social and other sciences. There will be 11 divisions (Mathematics; Physics; Chemistry; Biology and Medicine; Geology and Mining; Agriculture; Engineering and Architecture; History, Philosophy and Philology; Juridical and Political Sciences; Economics, Sociology and Statistics; Technological Research) with 140 members, to be elected in January 1964. Until the change is completed the present divisions (the first seven), with 40 members, continue.

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Study Commissions: at present 41; appointed by the President to deal with certain problems.

National Institutes: (6 in own premises) and

Research Centres: 69 (of which 10 are divided in 26 sections, mostly housed in universities listed below.

Research Groups: 106.

Centro Nazionale di Documentazione Scientifica (National Scientific Documentation Centre): bibliographical and documentary information; microfilm and translation services; Dir. Dr. MARIA PIA CAROGELLA; Library, *see* Libraries.

NATIONAL INSTITUTES AND RESEARCH CENTRES:

Mathematics

Istituto Nazionale per le Applicazioni del Calcolo (INAC) (*National Institute for Applied Calculus*): C.N.R., piazzale delle Scienze 7, Rome; Dir. Prof. ALDO GHIZZETTI.

Physics

Istituto Nazionale di Ultracustica "O. M. Corbino" (*National Ultrasonics Institute*): C.N.R., piazzale delle Scienze 7, Rome; Dir. Prof. AMEDEO GIACOMINI.

Centro di Studio per l'Astrofisica (*Research Centre for Astrophysics*):

Section 1: Astrophysical Observatory of Arcetri (Florence), via S. Leonardo 75; Dir. Prof. GUGLIELMO RIGHINI.

Section 2: Astrophysical Observatory of Asiago; Dir. Prof. LEONIDA ROSINO.

Section 3: Astronomical Observatory of Merate; Dir. Prof. FRANCESCO ZAGAR.

Section 4: Astrophysical Observatory of Monte Porzio (Rome); Dir. Prof. LIVIO GRATTON.

Centro di Studio per l'Elettrofisica (*Electrophysical Research Centre*): Istituto di fisica superiore dell'Università, via P. Giuria 1, Turin; Dir. Prof. ROMOLO DEAGLIO.

Centro Nazionale per la Fisica delle Atmosfera e la Meteorologia (*National Centre for Meteorology and Atmospheric Physics*): piazzale delle Scienze 7, Rome; Pres. Prof. ANTONIO CARRELLI; Dir. Prof. MAURIZIO GIORGI.

Centro di Studio per la Fisica delle Microonde (*Microwave Research Centre*): Florence, via Panciatichi 56; Dir. Prof. NELLO CARRARA.

Chemistry

Istituto Nazionale di Chimica (*National Chemistry Institute*): Istituto Chimico, Università, Rome; Dir. Prof. VINCENZO CAGLIOTI.

Section 1: Chimica delle Macromolecole (*Macromolecular Chemistry*).

Section 2: Chimica delle Sostanze Organiche Naturali (*Chemistry of Natural Organic Substances*).

Section 3: Chimica dei Composti di Coordinazione ed Elementi Organici (*Chemistry of Co-ordination Compounds and Organic Elements*).

Section 4: Chimica delle Radiazioni e dei Radioelementi (*Chemistry of Radiations and Radio-elements*).

Section 5: Radiochimica e Chimica Nucleare (*Radiochemistry and Nuclear Chemistry*).

Centro Studi di Chimica Applicata del Consiglio Nazionale delle Ricerche (*Applied Chemistry Research Centre*): Facoltà di Ingegneria dell'Università, via Montallegro 1, Genoa; Dir. Prof. G. B. BONINO, A.L., A.P., A.L.

Centro di Studio per le Essenze (*Essential Oils Research Centre*): corso Vittorio Emanuele, Reggio Calabria; Dir. Prof. FRANCESCO LA FACE.

Centro di Studio per l'Industria Tessile (*Textile Industry Research Centre*): piazza Leonardo da Vinci 26, Milan; Dir. Prof. GERMANO CENTOLA.

Centro di Studio per le Microanalisi Organiche (*Organic Microanalysis Research Centre*): Istituto "Donegani" della Società Montecatini, via del Lavoro 2, Novara; Dir. Ing. GERLANDO MARULLO.

Centro di Studio per la Nucleazione delli Aerosoli (*Aerosol Nucleation Research Centre*): via Vettore 4, Rome; Pres. Prof. VINCENZO CAGLIOTI; Dir. Dr. HENRY M. PAPEE.

Centro di Studio per la Polarografia (*Polarographic Centre*): Istituto di chimica fisica dell'Università, via Loredan 4a, Padua; Dir. Prof. GIOVANNI SEMERANO.

Centro di Studio per la Strutturistica Chimica (*Structural Chemistry Research Centre*):

Section 1: Istituto di chimica farmaceutica e tossicologica dell'Università, Città universitaria, Rome; Dir. Prof. GIORDANO GIACOMELLO.

Section 2: Istituto di chimica organica dell'Università, via Marzolo 9, Padua; Dir. Prof. SILVIO BEZZI.

Engineering

Istituto Nazionale dei Motori (*National Motor Institute*): piazza Barsanti e Matteucci 1, Naples; Dir. Prof. MARIO TADDEI.

Istituto Dinamometrico Italiano (*Italian Dynamometric Institute*): strada delle Cacce 73, Turin; Dir. Prof. ANTHOS BRAY.

Istituto per le Ricerche Spaziali (*Space Research Institute*): C.N.R., piazzale delle Scienze 7, Rome; Pres. Prof. GIOVANNI POLVANI.

Istituto Termometrico Italiano (*Italian Thermometric Institute*): strada delle Cacce 73, Turin; Dir. Prof. GIUSEPPE RUFFINO.

Centro di Studio per le Applicazioni del Freddo (*Low Temperature Research Centre*): Istituto di fisica tecnica della Università, via F. Marzolo 8, Padua; Dir. Prof. BALBINO DEL NUNZIO.

Centro di Studio delle Corrosioni Marine dei Metalli (*Salt-Water Corrosion of Metals Research Centre*): Camera di commercio, industria e agricoltura, via Mercanzia 2, Genoa; Dir. Prof. EMANUELE MOR.

Centro di Studio sulla Dinamica dei Fluidi (*Fluid Dynamics Research Centre*): Istituto di meccanica applicata alle macchine del Politecnico, corso Duca degli Abruzzi 24, Turin; Dir. Prof. CARLO FERRARI.

Centro di Studio per l'Elettronica e le Telecomunicazioni (*Electronics and Telecommunications Research Centre*):

Section 1: Instituto di comunicazioni elettriche del Politecnico, piazza Leonardo da Vinci 32, Milan; Dir. Prof. ERCOLE BOTTANI.

Section 2: Istituto di comunicazioni elettriche del Politecnico, corso Massimo d'Azeglio 42, Turin; Dir. Prof. MARIO BOELLA.

Section 3: Istituto di elettrotecnica dell'Università, viale Risorgimento 2, Bologna; Dir. Prof. STEFANO BASILE.

Section 4: C.N.R., piazzale delle Scienze, Rome; Dir. Prof. ALGERI MARINO.

Section 5: Istituto di elettronica dell'Università, via Diotislavi 18, Pisa; Dir. Prof. UGO TIBERIO.

Section 6: Istituto di elettronica dell'Università, via Mazzolo 9, Padua; Dir. Prof. GIUSEPPE FRANCINI.

Centro di Studio per la Fotoelasticità (*Photoelasticity Research Centre*): Istituto di costruzioni di macchine dell'Università, via Maqueda 175, Palermo; Dir. Prof. GIUSEPPE MANZELLA.

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Centro di Studio sui Modelli Elettrici (*Electrical Models Research Centre*): Istituto di elettrotecnica generale, Politecnico, piazza Leonardo da Vinci 32, Milan; Dir. Prof. ERCOLE BOTTANI.

Centro di Studio sui Ponti (*Bridges Research Centre*): Istituto di scienza delle costruzioni dell'Università, via Eudossiana 18, Rome; Dir. Prof. ARISTIDE GIANNELLI.

Centro Lombardo di Ricerche Idrauliche (*Hydraulics Research Centre of Lombardy*): Istituto di idraulica del Politecnico, piazza Leonardo da Vinci 32, Milan; Dir. Prof. GIULIO DE MARCHI.

Centro Veneto di Ricerche Idrauliche (*Hydraulics Research Centre of Venetia*): Università, via Loredan 20, Padua; Dir. Prof. FRANCESCO MARZOLO.

Centro di Ricerche Idrauliche per l'Italia Centrale (*Hydraulics Research Centre of Central Italy*): Istituto idraulico dell'Università, via Eudossiana 20, Rome; Dir. Prof. GUIDO DI RICCO.

Centro Nazionale sulla Tecnologia della Propulsione e dei Materiali Relativi (*National Research Centre for Propulsion and Pertinent Materials Technology*): via Alberto Martini, Cinisello Bolsamo, Milan; Dir. N.N.

Section 1: Propulsione (*Propulsion*).

Section 2: Tecnologia dei materiali (*Technology of Materials*).

Centro di Studio per la Televisione (*Television Research Centre*): Istituto "Galileo Ferraris", corso Massimo d'Azeglib 42, Turin; Dir. Prof. MARIO BOELLA.

Biology

Istituto Nazionale di Psicologia (*National Institute of Psychology*): via Cesare de Lollis, 12/VII, Rome; Dir. Prof. LUIGI MESCHIERI.

Centro di Studio per la Biofisica (*Biophysics Research Centre*): Istituto di genetica dell'Università, via S. Epifanio 14, Pavia; Dir. Prof. ADRIANO BUZZATI-TRAVERSO.

Centro di Studio per la Citofisiologia Sperimentale (*Research Centre for Experimental Cytophysiology*): Istituto di zoologia dell'Università, via Archirafi 18, Palermo; Dir. Prof. GIUSEPPE REVERBERI.

Centro di Studio per la Fisiogenetica (*Physiogenetics Research Centre*): Istituto di genetica dell'Università, Città Universitaria, Rome; Dir. Prof. GIUSEPPE MONTALENTI.

Centro di Studio per l'Enzimologia (*Enzymological Centre*): Istituto di chimica biologica dell'Università, Città Universitaria, Rome; Dir. Prof. ALESSANDRO ROSSI-FANELLI.

Centro di Studio per l'Istochimica (*Research Centre for Histochemistry*): Istituto di anatomia comparata dell'Università, Palazzo Botta, Pavia; Dir. Prof. MAFFO VIALLI.

Centro di Studio per la Neuroembriologia (*Research Centre for Neuroembryology*): Istituto delle Ricerche Anatomia comparata, Università, via Borelli 50, Rome; Dir. Prof. ALBERTO STEFANELLI.

Centro di Studio per la Neurofisiologia (*Research Centre for Neurophysiology*):

Section 1: Istituto di fisiologia umana dell'Università, piazza Porta S. Donato 2, Bologna; Dir. Prof. GIULIO CESARE PUPILLI.

Section 2: Istituto di fisiologia umana dell'Università, via S. Zeno 13, Pisa; Dir. Prof. GIUSEPPE MORUZZI.

Centro di Studio per le Ossido-riduzioni nei Vegetali (*Plant Oxidation Reduction Research Centre*): Istituto di Scienze Botaniche dell'Università, via G. Colombo 60, Milan.

Section 1: Dir. Prof. SERGIO TONZIG.

Section 2: Dir. Prof. ERASMO MARRÈ.

Medicine

Centro di Studio per la Fisiopatologia dell'Alimentazione Infantile (*Research Centre for the Physiopathology of Infant Nutrition*): Clinica pediatrica dell'Università, Policlinico, Rome; Dir. Prof. GINO FRONTALI.

Centro di Studio per la Fisiopatologia "Guido Vernoni" (*Physiopathology Research Centre*): Istituto di patologia generale dell'Università, Padua; Dir. Prof. MASSIMO ALOISI.

Centro di Studio per la Patologia Cellulare "Pietro Rondoni" (*Cytopathology Research Centre*): Istituto di patologia generale dell'Università, Milan; Dir. Prof. ENRICO CIARANFI.

Centro di Studio sulle Zoonosi (*Zoonoses Research Centre*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, via S. Costanzo 4, Perugia; Dir. Prof. VITTORIO CILLI.

Agriculture

Istituto Nazionale del Legno (*National Wood Institute*):

Section 1: Centro Nazionale del Legno (*National Wood Research Centre*): Villa Favorita, piazza Edison 11, Florence; Dir. Prof. GUGLIELMO GIORDANO.

Section 2: Centro di Sperimentazione Applicata e di Assistenza Tecnica del Legno (*Timber Centre for Applied Experimentation and Technical Aid*) Uistel, via Calepina 13, Trent; Pres. Rag. LUIGI ALLINI.

Centro di Studio per la Chimica del Terreno (*Soil Chemistry Research Centre*):

Section 1: Centro di Chimica Agraria (*Agricultural Chemistry Research Centre*): Università, piazzale Cascine 28, Florence; Dir. Prof. ALBERTO MALQUORI.

Section 2: Istituto di Chimica Agraria (*Agricultural Chemistry Institute*): Università, via S. Michele degli Scalzi 2, Pisa: Dir. Prof. ORFEO TURNO ROTINI.

Centro di Studio per la Chimica delle Fermentazioni (*Research Centre for the Chemistry of Fermentation*): Istituto di chimica agraria dell'Università, Milan; Dir. Prof. CALUDIO ANTONIANI.

Centro di Studio per l'Entomologia Alpina e Forestale (*Research Centre for Alpine and Forest Entomology*): Istituto di Entomologia dell'Universitâ, via Pietro Giuria 15, Turin; Dir. Prof. ATHOS GOIDANICH.

Centro Nazionale Meccanico Agricolo (*National Research Centre for Agricultural Machinery*): via Onorato Vigliani 104, Turin; Pres. Prof. LUIGI OLLIVERO; Dir. Ing. CASIMIRO SAN MARTINO DI SAN GERMANO.

Section 1: Mechanics; Dir. Prof. GIUSEPPE PRIORELLI.

Section 2: Agronomy; Dir. Prof. ANGIOLO CROCIONI.

Detached Sections: Irrigation; via Po 49, Rome, Rice Cultivation Machinery, via Bazzi 8, Vercelli.

Centro di Studio per la Micologia del Terreno (*Soil Mycology Research Centre*): Istituto di botanica dell'Università, viale P. A. Mattioli 25, Turin; Dir. Prof. BENIAMINO PEYRONEL.

Centro di Studio dei Microrganismi Autotrofi (*Autotrophic Micro-organisms Research Centre*): Istituto di Microbiologia Agraria e Tecnica, Università, piazzale Cascine 28, Florence; Dir. Inc. Prof. GINO FLORENZANO.

Centro di Studio per il Miglioramento dei Pascoli (*Pasture Improvement Research Centre*): Istituto di botanica dell'Università, città Universitaria, Rome; Dir. Prof. VINCENZO RIVERA.

Centro di Studio per il Miglioramento delle Piante da Frutto e da Orto (*Garden Produce Research Centre*): via dei Vespucci 1, Florence; Dir. Prof. ALESSANDRO MORETTINI.

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Centro di Studio per la Motorizzazione Agricola (*Research Centre for Agricultural Motorization*): via Onorato Vigliani 104, Turin; Dir. Prof. Ing. FEDERICO FILIPPI.

Centro Sperimentale per la Sterilizzazione Industriale degli Alimenti (*Experiment Centre for Industrial Food Sterilization*): Stazione Sperimentale per l'Industria delle Conserve Alimentari, viale Faustino Tanara 33, Parma; Dir. Inc. Prof. ANTONIO PORRETTA.

Centro di Studio per le Trasfomazioni Microbiche di Idrocarburi, Steroidi e Derivati (*Centre for Research on Transformation of Hydrocarbons, Steroids and Derivatives due to Micro-organisms*): Istituto di microbiologia agraria e tecnica dell'Università, via Celoria 2, Milan; Dir. Prof. CARLO ARNAUDI.

Zootechnics

Centro di Studio per l'Alimentazione degli Animali in Produzione Zootecnica (*Animal Feeding Research Centre*): Istituto di zootecnica generale dell'Università, via Nizza 52, Turin; Dir. Prof. PROSPERO MASOERO.

Centro di Studio per le Mastiti Bovine (*Research Centre for Bovine Mastitis*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, Milan; Dir. Prof. DESIDERIO NAI.

Centro di Studio per la Parassitologia Veterinaria (*Research Centre for Veterinary Parasitology*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, piazza Conte di Moriana 3, Sassari; Dir. Prof. ARTURO CARTA.

Oasi per la Protezione degli Uccelli (*Bird Sanctuary*): Montescalvato, Bologna: Laboratorio di zoologia applicata alla caccia, via S. Giacomo 9, Bologna; Dir. Prof. ALESSANDRO GHIGI.

Centro di Studio per la Sterilità Bovina (*Cattle Sterility Research Centre*): Facoltà di medicina veterinaria dell'Università, Milan; Co-Dirs. Prof. MICHELE ADDIS, Prof. EMILIO MARTINI.

Geography

Centro di Fotografia Alpina "Vittorio Sella" (*Alpine Photography Research Centre*): San Girolamo, Biella; Pres. Sig. CESARE BIELLA.

Centro di Studio per la Geografia Fisica (*Research Centre for Physical Geography*): Istituto di geografia dell'Università, Palazzo del Bo, Padua; Dir. Prof. GIUSEPPE MORANDINI.

Centro Nazionale di Studi Talassografici (*National Centre of Oceanography*): 1364A, riva 7 Martiri, Venice; Chair. Prof. UMBERTO D'ANCONA.

Geology and Mineralogy

Centro di Studio per la Geochimica e la Mineralogia (*Research Centre for Geochemistry and Mineralogy*): Istituto di mineralogia dell'Università, piazza S. Marco 4, Florence; Dir. Prof. GUIDO CAROBBI.

Centro di Studio per la Geologia dell'Appennine (*Apennine Geology Research Centre*): Dir. Prof. GIOVANNI MERLA.

Section 1: Istituto di geologia dell'Università, via Lamarmora 4, Florence; Dir. Prof. GIOVANNI MERLA.

Section 2: Istituto di geologia dell'Università, via S. Maria 31, Pisa; Dir. Prof. LIVIO TREVISAN.

Centro di Studio per la Geologia dell'Italia Centro-meridionale (*Research Centre for the Geology of Central and Southern Italy*): Istituto di geologia, Università, città Universitaria, Rome; Dir. Prof. BRUNO ACCORDI.

Centro di Studio per la Geologia Tecnica (*Research Centre for Technical Geology*): Istituto di geologia applicata dell'Università, via Eudossiana 18, Rome; Dir. Prof. FRANCESCO PENTA.

Centro di Studio per la Mineralogia e la Petrografia (*Research Centre for Mineralogy and Petrography*): Istituto di mineralogia dell'Università, città Universitaria, Rome; Dir. Prof. ETTORE ONORATO.

Centro di Studio per la Mineralogia e la Petrografia delle Alpi Occidentali (*Research Centre for Mineralogy and Petrography of the Western Alps*): Istituto di Mineralogia dell' Università, via S. Massimo 24, Turin; Dir. Prof. MASSIMO FENOGLIO.

Centro di Studio per la Petrografia e Geologia (*Research Centre for Petrography and Geology*):

Section 1 (*Petrography*): Istituto di mineralogia, Università, corso Garibaldi 9, Padua; Dir. Prof. ANGELO BIANCHI.

Section 2 (*Geology*): Istituto di geologia, Università, via Giotto 20, Padua; Dir. Prof. GIAMBATTISTA DAL PIAZ.

Centro di Studio per la Preparazione dei Minerali (*Mineral Processing Research Centre*): via Salaria Km. 11.7, Rome; Dir. Ing. LUIGI USONI.

ARCHAEOLOGY, ANTHROPOLOGY AND SOCIAL STUDIES

Associazione Archeologica Romana (*Roman Archæological Society*): Piazza Cenci 56, Rome; f. 1902; 400 mems.; Pres. Prof. PIETRO ROMANELLI; Sec. Dr. ITALO SICARDI.

British School at Rome: f. 1901, inc. by Royal Charter 1912; Dir. J. B. WARD PERKINS, C.B.E., F.B.A.; publ. *Papers of the British School at Rome* (annual).

Deutsches Archäologisches Institut (*German Archaeological Institute*): via Bocca di Leone 78, Palazzo Torlonia, Rome; Dir. Prof. Dr. THEODOR KRAUS.

Institut International de Sociologie: via Terme di Diocleziano 10, Rome; Pres. Prof. C. GINI.

Istituto di Studi Etruschi ed Italici (*Institute for Etruscan and Italic Studies*): Piazza della SS. Annunziata 9B, Florence; f. 1926; library of 3,629 vols.; Pres. Prof. GIACOMO DEVOTO; Vice-Pres. Prof. MASSIMO PALLOTTINO; Sec. Prof. GIACOMO CAPUTO.

Istituto Italiano di Antropologia (*Italian Institute of Anthropology*) (formerly Società Romana di Antropologia): Città Universitarià, Rome; f. 1893; Pres. Prof. VITTORIO PUNTONI; Technical Dir. and Sec. Prof. SERGIO SERGI.

Istituto Luigi Sturzo: Via delle Coppelle 35, Rome; sociological research; Pres. SALVATORE ALDISIO; Sec.-Gen. Prof. IGNAZIO UGHI.

Società di Etnografia Italiana: Palazzo delle Tradizioni Popolari, E.U.R., Rome; f. 1911 to investigate the folklore of Italy; library of 4,000 vols.; 170 mems.; Sec. Prof. BIANCA MARIA GALANTI; publ. *Lares* (quarterly).

Società Italiana di Genetica ed Eugenica: via Terme di Diocleziano 10, Rome; f. 1919; Pres. Prof. CORRADO GINI.

Società Italiana di Sociologia: via Terme di Diocleziano 10, Rome; f. 1937; Pres. Prof. CORRADO GINI.

ART, THE ARTS

Academia Española de Bellas Artes en Roma (*Spanish Fine Arts Academy in Rome*): Piazza San Pietro in Montorio 3 (Gianicolo), Rome.

Centro Nazionale Rilevazioni Etnofoniche: Museo Nazionale delle Arti e Tradizioni Popolari, Piazza Italia, EUR, Rome; Pres. Prof. TULLIO TENTORI; Dir. MICHELE MELILLO.

Centro di Ricerche Teatrali (*Centre of Theatre Research*): 44 via del Sudario, Rome; Pres. Prof. Comm. GOFFREDO BELLONCI; Sec. Dott. GIULIO PACUVIO.

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Centro Sperimentale di Cinematografia: via Tuscolana 1524, Rome.

Consiglio Superiore delle Antichità e Belle Arti (*Council for Antiquities and Fine Arts*): Ministero della Pubblica Istruzione, Viale Trastevere, Rome; five sections: Archæology, Palæontology, Ethnography, Pres. Prof. AMEDEO MAIURI; Medieval and Modern Art, Pres. Prof. MARIO SALMI; Ancient Monuments and Nature Preservation, Pres. Prof. VITTORIO BALLIO MORPURGO. Contemporary Figurative Art and related schools, Pres, Prof. VALERIO MARIANI; Music, Dramatic Art, Dance; etc., Pres. M. BUSTINI ALESSANDRO; Pres. of the Council, the Minister of Education; Vice-Pres. Prof. MARIO SALMI; Sec. Dr. LOVANIO FRATINI.

International Centre for Studies of Architecture: Vicenza; f. 1959; to make known the work of Andrea Palladio, born Vicenza 1508, and to encourage the study of palladianism and of architecture of all ages.

Istituto di Studi Verdiani (*Institute of Verdi Studies*): via del Conservatorio 27, Parma; f. 1960 under the patronage of the International Music Council to study the life and works of Giuseppe Verdi; Hon. Pres. ILDEBRANDO PIZZETTI; Pres. Ing. GIACOMO FERRARI; Tech. Dir. MARIO MEDICI; publ. *Bulletin* (quarterly).

Istituto Italiano di Arti Grafiche (*Italian Institute of Graphic Art*): via S. Lazzaro 1, Bergamo; library of 15,000 vols.; Dir. TITO LEGRENZI.

Istituto Universitario Olandese di Storia dell'Arte: Viale Torricelli 5, Florence.

Kunsthistorisches Institut (*Institute for the Study of the History of Art*): via Giuseppe Giusti 44, Florence; f. 1888; library of 58,000 vols. and 200,000 reproductions; Dir. Dr. ULRICH MIDDELDORF.

Società Incoraggiamento Arti e Mestieri (*Society for the Encouragement of Arts and Crafts*): via S. Maria 18, Milan; f. 1843.

Società di Minerva: piazza Hortis 4, Trieste; f. 1810 for the study of the history, art and culture of Trieste, Istria and Gorizia; 130 mems.; Pres. DOMENICO Conte ROSSETTI DE SCANDER; Sec. A. CIANA.

CLASSICS

Istituto Papirologico "Girolamo Vitelli": Università degli Studi, Florence; f. 1908; study of Greek and Latin papyri; library of 9,000 vols.; Dir. Prof. NICOLA TERZAGHI; Curator Prof. VITTORIO BARTOLETTI; publ. *Papiri Greci e Latini della Società Italiana* (*P.S.I.*).

Istituto Svedese di Studi Classici (*Swedish Institute for Classical Studies*): via Omero 14-Valle Giulia, Rome; f. 1926; library of 19,132 vols.; Dir. B. E. THOMASSON; Librarian M. GINO FILIPETTO.

ENGINEERING AND ELECTROTECHNICS

Unione Romana Ingegneri e Architetti (*Roman Society of Engineers and Architects*): via delle Terme 90, Rome; f. 1873; library of 15,000 vols.

ENTOMOLOGY

Stazione di Entomologia Agraria (*Agrarian Entomological Station*): via Romana 17, Florence; f. 1875; library of 21,500 vols.; Dir. R. ZOCCHI; publ. *Redia* (yearly).

Società Entomologica Italiana (*Italian Entomological Society*): via Brigata Liguria 9, Museo Civico di Storia Naturale, Genoa; f. 1869.

GEOGRAPHY, GEOLOGY, HYDROGRAPHY

Società Geografica Italiana: Villa Celimontana, via della Navicella 12, Rome; f. 1867; Pres. Prof. RICCARDO RICCARDI; publ. *Bollettino*; library: *see* Libraries.

Società Geologica Italiana: Istituto Geologico, Città Universitaria, Rome; f. 1881; Sec. Ing. BRUNO CONFORTO.

Società di Studi Geografici (*Society for Geographical Studies*): via Laura 48, Florence; f. 1895; library of 4,000 vols.; Sec. Dr. VERA ARMIGNACCO.

Istituto Idrografico della Marina (*Institute of Marine Hydrography*): Passo all' Osservatorio 4, Genoa; f. 1875; library of 20,000 vols.; Dir. Prof. P. MASSARDO.

Servizio Geologico d'Italia (*Italian Geological Survey*): Largo Santa Susanna, n. 13, Rome; f. 1869; library of 100,000 vols.; Dir. ENZO BENEO.

HISTORY

Istituto Storico Germanico (*German Historical Institute*): corso Vittorio Emanuele 209, Rome; f. 1888; library of 40,000 vols.

Istituto Storico Italiano per il Medio Evo (*Italian Institute of Medieval History*): Piazza dell' Orologio 4, Rome; f. 1883; library of 28,000 vols.; Pres. Prof. RAFFAELLO MORGHEN; publ. *Bollettino, Fonti per la Storia d'Italia, Regesta Chartarum Italiae, Studi Storici.*

Istituto Storico Olandese (*Netherlands Historical Institute*): via Omero 10-12—Valle Giulia, Rome; f. 1904; library of 20,000 vols.; Dir. Dr. J. J. POELHEKKE.

Società Napoletana di Storia Patria: Piazza Municipio, Maschio Angioino, Naples; f. 1876; 450 mems.; Pres. Prof. ERNESTO PONTIERI; Sec. Dott. ALDA CROCE; publ. *Archivio Storico per le Province Napoletane.*

INTERNATIONAL CULTURAL INSTITUTES

(*See also* under Archæology, Art, Classics, History and Literature.)

British Council, The: Regional offices:

Palazzo del Drago, via delle Quattro Fontane 20, Rome; f. 1945; library of 25,000 vols.; Rep. H. HARVEY WOOD, O.B.E.

Palazzo Bolognini, via Sante Stefano II, Bologna; Dir. M. TAYLOR.

British Institute: via Manzoni 43, Milan; library of 12,000 vols.; Dir. C. W. FYFIELD.

British Institute: Riviera di Chiaia 85, Naples; Dir. J. A. MCKENNA.

British Institute: Palazzo Antinori, Florence; f. 1917; courses in language, literature, history, philosophy, etc.; cultural activities; 1,300 students; library of 30,000 vols.; Chair. Sir ASHLEY CLARKE; Dir. IAN GREENLEES.

British Institute: Palazzo Montoro, via Montoro 8, Rome; 1,200 students; Dir. C. GORDON GOLDIE.

Casa de Cervantes: via del Collegio di Spagna 4A, Bologna.

Centre-Culturelle de France: Piazza Campitelli 3, Rome; Librarian A. ROTH.

Centre Français d'Etudes et d'Information: via Bigli 2, Milan; Dir. JACQUES METTRA.

Fondation Internationale Prix Eugenio Balzan: Secretariat: corso Porta Nuova 3, Milan; f. 1956; prizes and funds used as a contribution towards peace and a better understanding of the arts and sciences; Pres. P. ENRICO ZUCCA; Sec. Col. ALDO DANIELLI.

Istituto Danese di Cultura (*The Danish Institute*): via Dogana 2, Milan; Dir. Dr. GREGERS GLAHN.

Institución Teresiana en Roma (*Spanish Institute*): Rome.

Istituto Austriaco di Cultura in Roma (*Austrian Institute of Culture in Rome*): viale Bruno Buozzi 113, Rome; f. 1881; library of 14,000 vols.; Pres. Dr. HEINRICH PETER; Scient. Sec. Dr. JOHANN RAINER.

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Istituto Culturale Italo-Centro Americano: via Poggio Moiano 144, Rome.

Instituto Español de Santiago (*Spanish Institute*): via di San Giacomo 40, Naples.

Istituto Italiano di Studi Germanici (*Italian Institute for Germanic Studies*): Villa Sciarra al Gianicolo, Rome; f. 1932; library of 30,000 vols.; Dir. Prof. B. Tecchi.

Real Colegio de San Clemente de los Españoles (*Royal College of St. Clement's—Spanish*): via del Collegio di Spagna, 4, Bologna.

Römisches Institut der Görres-Gesellschaft (*Görres Society in Rome*): Campo Santo Teutoni, Rome; Dir. Dr. L. Voelkl.

Slovak Institute: Casella Postale 4031, Rome; Dir. Dr. Stephen Nahalka.

Svenska Institutet i Rom (*Swedish Institute in Rome*): via Omero 14, Rome; Dir. Dr. B. E. Thomasson; Librarian M. Gino Filipetto; courses for students of classical philology, archaeology and ancient history.

U.S. Information Centers: 62 Via Veneto, Rome; Via Bigli 11/a, Milan; also at Catania, Florence, Genoa, Naples, Palermo, Trieste and Turin.

Law

Istituto di Diritto Romano: via Carlo Tavrolacci 5, Rome; f. 1888; Dir. Prof. Salvatore Riccobono; publ. *Bollettino*.

Istituto di Diritto Romano e dei Diritti dell' Oriente Mediterraneo: Facoltà di Giurisprudenza, Città Universitaria, Rome; f. 1937; 7 mems.; library of 20,000 vols.; Dir. Prof. Emilio Betti; Librarian Dr. Jole Vernacchia Galli; Curator Domenico Moglioni.

Literature

P.E.N. International Centre: "Il Ritrovo", via delle Quattro Fontane, Rome; Sec. Prof. Antonio Russi.

Società Dantesca Italiana (*Italian Dante Society*): via dell' Arte della Lana 1, Florence; f. 1888; library of 7,000 vols.; Dir. Prof. Gianfranco Contini; publ. *Studi Danteschi*.

Fondazione Marco Besso (*Marco Besso Foundation*): Largo Argentina 11, Rome; library of 58,000 vols.; Dir. Massimo Pilotti.

Istituto Español de Lengua y Literatura (*Spanish Institute*): via della Rotonda 26, Rome.

Keats-Shelley Memorial Association: Piazza di Spagna 26, Rome; f. 1909; library of 6,910 vols.; Dir. Dr. Vera Signorelli Cacciatore; publs. *Bulletin, Journal*.

Società Letteraria (*Literary Society*): Piazzetta Scalette Rubiani 1, Verona; f. 1808; library of 107,000 vols.; Dir. Avvocato Alfonso Balis Crema; publ. *Bollettino* (annually).

Istituto di Patologia del Libro (*Bibliographical Institute*): via Milano 76, Rome; f. 1938; library of 5,000 vols.; Dir. Prof. Gustavo Bonaventura; publ. *Bollettino* (half-yearly).

Medicine

Società Italiana di Anestesiologia: c/o Policlinico Umberto I, Rome.

Società Italiana di Cancerologia: Istituto di Anatomia Università di Napoli, Naples.

Società Italiana di Chirurgia: Policlinoco, Clinica Chirurgica, Rome.

Società Italiana di Epatologia: via Nicolò Porpora, Rome.

Società Italiana di Medicina del Lavoro: via Boezio 24, Pavia; f. 1906; 850 mems.; Pres. Prof. Salvatore Maugeri.

Società Italiana di Medicina del Traffico: Viale Università 32, Rome; f. 1958; 530 mems.; Pres. Prof. Cesare Gerin.

Società Italiana di Medicina Interna: Policlinico, Clinica Medica, Rome.

Società Italiana di Medicina Legale e delle Assicurazioni: Via de' Toni 12, Genoa.

Società Italiana di Medicina Sociale: via San Zeno 15, Pisa.

Società Italiana di Neuradiologia Dott. S. Valentino: via Gen. Orsini 40, Naples.

Società Italiana di Odontostomatologia e Chirurgia Maxillo-Facciale: Clinica Odontoiatrica, Corso Polonia 2, Turin; f. 1957; 865 mems.; Pres. Prof. B. Roccia; Sec. Prof. Giorgio Re; publ. *Minerva Stomatologica* (monthly).

Società Italiana di Ostetricia e di Ginecologia: Policlinico Umberto I, Rome.

Società Italiana di Parapsicologia: via dei Glicini 98, Rome; f. 1937; 240 mems.; Pres. Prof. Giovanni Schepis; publs. *Giornale Italiana per la Ricerca psichica* (three times a year), *Studi e Problemi di Parapsicologia* (annually).

Società Italiana di Radiologia Medica e Medicine Nucleare: Istituto Radiologia Universitâ, Ospedale San Martino, Genoa.

Società Italiana di Stomatologia: via Bonifacio VIII 22, Rome.

Società Medico-Chirurgica (*Society of Surgery*): Piazza Galvani 1, Bologna; library of 8,000 vols.; Dir. Dr. Allesandro Buscaroli.

Observatories

Osservatorio Astronomico di Roma: su Monte Mario, Rome; f. 1827; Faculty of Science attached to the Observatory; library of 25,000 vols., 400 astronomical reviews; astronomical museum and attached astronomical stations on the Grande Sasso and Monte Porzio; Dir. Prof. Massimo Cimino; publs. *Contributi Scientifici* (Series III), *Fenomeni Solari* (monthly).

Osservatorio Astronomico: Padua; f. 1767; library of 10,000 vols.; Dir. Prof. Leonida Rosino; publ. various papers.

Osservatorio Vesuviano: Resina, Naples; f. 1841; chiefly concerned with study of physical changes on Vesuvius; Dir. Prof. Giuseppe Imbò; Keeper Prof. Lorenzo Casertano; publs. *Annali* and various papers.

Osservatorio Astronomico di Capodimonte: Naples; f. 1819; 5 astronomers; library of 30,000 vols.; Dir. Prof. Tito Nicolini; Astronomers Prof. Alfonso Fresa, Dr. Elio Fichero; publs. *Memorie dell'Osservatorio Astronomico di Capodimonte, Contributi Astronomici, Contributi Geofisici, Osservazioni*.

Osservatorio Astronomico: 11 via Tiepolo, Trieste; Dir. Prof. Dott. Ettore Leonida Martin.

Philology

Società Filologica Romana: Piazza dell' Orologio 4, Rome; f. 1901; library of 8,000 vols.; Pres. Prof. Dr. Mario Polaez; publ. *Studi Romanzi*.

Philosophy, Psychology, Religion

Società Italiana di Parapsicologia: via dei Glicini 98, Rome; f. 1937; recognised by the State; Pres. Prof. Giovanni Schepis; Gen. Sec. Dr. Giuseppina Mancini Nulli; publs. *Giornale Italiano per la Ricerca Psichica, Notiziario, Annali*.

Società Italiana per gli Studi Filosofici e Religiosi: piazza S. Ambrogio 9, presso l'Università Cattolica del Sacro Cuore, Milan; library of 25,618 vols.; Pres. Prof. Gustavo Bontadini; Librarian Dr. Ruggero Orfei.

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POLITICS

Istituto Italiano per il Medio e l'Estremo Oriente (I.S.M.E.O.) (*Italian Institute for the Middle and Far East*): Palazzo Brancaccio, via Merulana 248, Rome; f. 1933; Pres. Prof. GIUSEPPE TUCCI; Gen. Sec. Capt. I. N. R. MARIANO IMPERIALI; a library and museum of oriental art are attached to the Institute; publs. *East and West* (quarterly), *Rome Oriental Series, Nuovo Ramusio, Cina.*

Istituto Orientale (*Oriental Institute*): piazza San Giovanni Maggiore 30, Naples; f. 1888; library of 63,646 vols.; Librarian ANTONIO CESARO.

Istituto per gli Studi di Politica Internazionale: via Clerici 5, Milan; f. 1934 for the promotion of the study and knowledge of all problems concerning international relations; seminars at post-graduate level; library of 30,000 vols.; Pres. Dr. ALBERTO PIRELLI; publs. *Relazioni Internazionali* (weekly), *Diritto Internazionale* (quarterly), *Annuario di Politica Internazionale* (yearly) and series of books.

SCIENCE (GENERAL)

Società Astronomica Italiana (*Italian Astronomical Society*): via Brera 28, Milan; f. 1920; 272 mems.; Pres. Prof. GIORGIO ABETTI; Sec. CESARE LOMBARDI; publ. *Memorie.*

Società Italiana per il Progresso delle Scienze: Piazzale delle Scienze 7, Rome; f. 1839; library of 30,000 vols.; Pres. On. GAETANO MARTINO; Sec.-Gen. Prof. BIAGIO PESCE.

Società Botanica Italiana (*Italian Botanical Society*): via Lamarmora 4, Florence; f. 1888; library of 6,850 vols.; Pres. Prof. SERGIO TONZIG; Sec. Prof. ROBERTO CORTI.

Società Italiana di Scienze Naturali (*Italian Society of Natural Sciences*): presso il Civico Museo di Storia Naturale—Corso Venezia 55, Milan; f. 1858; library of 7,500 vols.; Sec. V. VIALLI.

Istituto Biochimico Italiano (*Italian Biochemical Institute*): via Brembo 59, Milan; f. 1918; library of 12,000 vols.

Istituto Sieroterapico Milanese (*Milan Serum Institute*): via Darwin 20, Milan; f. 1896; library of 40,000 vols.; Dir. MARIA CUFFIA BENEDETTI.

Società Italiana di Fisica (*Italian Physics Society*): via Saldini 50, Milan; 820 mems.; library of 5,600 vols.; Pres. Prof. GIOVANNI POLVANI, via Saldini 50, Milan; Sec. Prof. GIULIO CESARE DALLA NOCE; publs. *Il Nuovo Cimento* (monthly), *Supplemento al Nuovo Cimento, Bollettino d'Informazione ai Soci* (both irregular).

Società Toscana di Scienze Naturali (*Tuscan Society of Natural Sciences*): via S. Maria 31, Pisa; f. 1874; library of 40,000 vols.; Sec.-Gen. Prof. STEFANO BONATTI; publ. *Memorie* (two vols. per year).

Società di Letture e Conversazioni Scientifiche (*Scientific Society*): Piazza Fontane Marose 6, Genoa; f. 1866; library of 15,310 vols.; Dir. P. BOZZO-COSTA.

Società Chimica Italiana: via Quattro Novembre 154, Rome; f. 1919; Sec.-Gen. Prof. DOMENICO MAROTTA; publs. *Gazzetta Chimica Italiana, Annali di Chimica, La Chimica e l'Industria.*

Ufficio Centrale di Meteorologia e di Ecologia Agraria (*Meteorological and Ecological Centre*): via del Caravita 7A, Rome; library of 4,000 vols.; Dir. Prof. GIORGIO RONCALI.

Centro Radioelettrico Sperimentale "Guglielmo Marconi" (*Marconi Experimental Radio-electric Centre*): viale Trastevere 189, Rome; Pres. Dr. A. ANTINORI.

Comitato Elettrotecnico Italiano (C.E.I.) (*Italian Electrotechnical Committee*): via S. Paolo 10, Milan; Pres. G. SOMEDA.

Comitato Glaciologico Italiano (*Italian Glaciological Committee*): Palazzo Carignano, Turin; Pres. Prof. G. DE MARCHI.

Comitato Italiano per lo Studio dei Problemi della Popolazione (*Italian Committee for the Study of Population Problems*): via delle Terme di Diocleziano 10, Rome; Pres. Prof. C. GINI.

Comitato Termotecnico Italiano (C.T.I.) (*Italian Thermotechnical Committee*): Ministero dei transporti, Direzione gen. delle ferrovie dello Stato, piazza della Croce Rossa, Rome; Pres. Dr. AMEDEO CUTTICA.

Discoteca di Stato (*State Gramophone Record Library*): via dei Funari 31, Rome; Dir. Dr. ANNA BARONE.

Ente Nazionale Italiano di Unificazione (U.N.I.) (*Italian National Standards Association*): piazza Diaz 2, Milan; Dir. Dr. CARLO ROSSI.

Erbario Centrale Italiano (*Central Italian Herbarium*): via Lamarmora 4, Florence; Pres. Prof. ELEONORA FRANCINI-CORTI.

Gruppo Italiano di Storia della Scienza (*Italian History of Science Group*): via San Leonardo 72, Florence; Pres. Prof. V. RONCHI.

Istituto di Patologia del Libro "Alfonso Gallo" (*The Alfonso Gallo Pathology Institute*): via Milano 76, Rome; library, 5,000 vols.; Dir. Prof. G. BONAVENTURA; publ. *Bollettino* (half-yearly).

Istituto di Studi Adriatici (*Institute of Adriatic Studies*): 1364 A riva 7 Martiri, Venice; Pres. Prof. G. FERRO.

Istituto Elettrotecnico Nazionale "Galileo Ferraris" (*The Galileo Ferraris National Electrotechnical Institute*): corso Massimo d'Azeglio 42, Turin; Pres. Dr. G. BONO.

Istituto Italiano del Marchio di Qualita (*Italian Quality Institute*): viale Misurata 61, Milan; Pres. Dr. P. ANFOSSI.

Istituto Italiano della Saldatura (*Italian Welding Institute*): viale Sauli 3/5, Genoa; Pres. Prof. G. CORBELLINI.

Istituto Italiano di Idrobiologia "Marco de Marchi" (*Italian Hydrobiological Institute*): Verbania, Pallanza; Pres. On. Sen. RAFFAELE CADORNA; Dir. Prof. Dr. VITTORIO TONOLLI.

Istituto Nazionale di Entomologia (*National Institute of Entomology*): via Catone 34, Rome; Pres. pro tempore Prof. S. VISCO.

Istituto Nazionale di Geofisica (*National Institute of Geophysics*): città Universitaria, Rome; Dir. Prof. E. MEDI.

Istituto Nazionale di Ottica (*National Optics Institute*): via San Leonardo 79, Florence; Dir. Prof. VASCO RONCHI.

Istituto Nazionale per Studi ed Esperienze di Architettura Navale (*National Institute of Naval Architecture Studies and Experiments*): via Corrado Segré 60, Rome; Pres. Ing. A. PARILLI.

Museo Nazionale della Scienza e della Tecnica (*National Scientific and Technical Museum*): via S. Vittore 21, Milan; Pres. Dr. G. UCELLI.

Osservatorio Geofisico Sperimentale (*Experimental Geophysics Observatory*): viale R. Gessi 4, Trieste; Pres. Prof. CARLO MORELLI; Dir. Prof. FERRUCCIO MUSETTI.

Società Adriatica di Scienze (*Adriatic Society of Sciences*): via San Giorgio 3, Trieste; Pres. Prof. ELVEZIO GHIRARDELLI.

Stazione Zoologica (*Zoological Station*): Villa Comunale, Aquarium, Naples; Dir. Emeritus Dr. REINHARD DOHRN.

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SCIENCE (NUCLEAR)

Comitato Nazionale per l'Energia Nucleare (C.N.E.N.) (*National Committee for Nuclear Energy*): via Belisario 15, Rome; f. 1960; objects: to conduct studies, research and experiments in nuclear physics; to promote development of industrial applications of nuclear energy; to take part in international collaboration in the nuclear field; Pres. EMILIO COLOMBO; Sec.-Gen. Prof. Ing. FELICE IPPOLITO; staff of about 1,000; chief publs. *Notiziario* (monthly, nuclear news), technical reports in the field of nuclear engineering, physics, chemistry, biology, medicine and geology.

Centro di Studi Nucleari di Ispra (*Centre for Nuclear Studies at Ispra*): head office, via Cerva 31, Milan; est. by C.N.R.N. for applied nuclear research, training of personnel, research in physics, nuclear engineering, biology, chemistry, radiochemistry, etc.; Gen. Dir. Dr. Ing. GIANFRANCO FRANCO; reports included in *Serie di Rapporti* published by C.N.R.N.

Laboratori Nazionali di Frascati del C.N.E.N. (*National Laboratories of C.N.E.N., Frascati*): Casella Postale 70, Frascati, Rome; constructed by C.N.E.N.; 1,200 MeV. electronsynchrotron; theoretical research group; high-energy physics research; electronics and radio-frequency laboratory; laboratory of technology; low-temperature laboratory; magnets laboratory; computing group; Dir. Prof. ITALO FEDERICO QUERCIA.

Laboratorio Gas Ionizzati (*Ionised Gases Laboratory*): Casella Postale 65, Frascati, Rome; established by C.N.E.N. for experimental and theoretical research on plasma physics; Dir. Prof. BRUNO BRUNELLI.

Istituto Nazionale di Fisica Nucleare (I.N.F.N.) (*National Institute of Nuclear Physics*): Casella Postale 70, Frascati, Rome; sponsored by C.N.E.N. for studies in nuclear energy and collaboration with international institutions; chief branches in Physics Sections of Universities of Rome, Padua, Milan, Turin, Bologna, Pisa and Sicily (sub-branches in Palermo, Catania, Messina); sub-branches in Physics Sections of Universities of Florence, Genoa, Trieste, Naples and Superior Health Institute, Rome; Pres. Prof. EDOARDO AMALDI.

Centro Informazioni Studi Esperienze (C.I.S.E.) (*Centre of Information, Studies and Experiments*): via Redecesio 12, Segrate, Milan; supported partly by public bodies, partly by private industry, for basic and applied nuclear research in physics, chemistry and radiochemistry, solid state physics, engineering, technologics, electronics; Dir. Dr. FEDERICO NORDIO; Tech. Dir. Dr. Prof. GINO BOZZA; publ. *Energia Nucleare* (monthly).

Società Ricerche Impianti Nucleari (S.O.R.I.N.) (*Society for Research and Nuclear Plants*): via Fatebenefratelli 19, Milan; formed under agreement between Fiat and Montecatini companies; Nuclear Research Centre at Saluggia (Vercelli) with 5,000-Kw swimming-pool reactor; nuclear research including production of radioactive isotopes for industrial and medical uses.

Centro di Studi Nucleari Enrico Fermi (*E. Fermi Centre for Nuclear Studies*): Polytechnic School, via Pascal 3, Milan; trains technical personnel in nuclear energy field.

Centro Siciliano di Fisica Nucleare (C.S.F.N.) (*Sicilian Centre of Nuclear Physics*): Corso Italia 57, Catania; to develop studies of nuclear physics in collaboration with Universities of Palermo, Messina and Catania.

STATISTICS

Istituto Centrale di Statistica (*Central Institute of Statistics*): via Cesare Balbo 16, Rome; f. 1926; library of 90,000 vols.; Dir.-Gen. Prof. BENEDETTO BARBERI; publs. *Annuario, Compendio* (yearly), *Bollettino* (monthly), Yearbooks on main statistics, etc.

Società Italiana di Statistica: Piazza S. Bernado 101, Rome; f. 1939; Pres. CORRADO GINI; Gen. Sec. Dr. GIUSEPPE PISTILLI.

LIBRARIES

Alessandria

Biblioteca Civica: via Tripoli 8; f. 1806; 85,218 vols.; Dir. Dr. A. PANIZZA (acting).

Ancona

Biblioteca Comunale Luciano Benincasa: Piazza del Plebiscito 33; f. 1669; 77,000 vols.; Dir. Prof. RENATO ZANELLI.

Arezzo

Biblioteca della Fraternità dei Laici: via Garibaldi; f. 1603; 60,000 volumes and 500 MSS. and incunabula.

Ascoli Piceno

Biblioteca Comunale: presso il Palazzo Comunale; f. 1773; 72,821 vols.; Dir. Dr. VITTORI EMIDIO.

Avellino

Biblioteca Provinciale Scipione e Giulio Capone: Piazza della Libertà; f. 1885; 101,500 vols.; Dir. Dr. MARIO SARRO.

Bari

Biblioteca Nazionale Sagarriga-Visconti-Volpi: Palazzo Ateneo; f. 1855; 195,000 vols.; Dir. Dr. GINO LA MURAGLIA.

Bergamo

Biblioteca Civica A. Mai: Piazza Vecchia 15; f. 1760; 452,945 vols., 7,011 vols. MSS., 31,478 documents, 1,601 incunabula; Dir. Dr. Prof. D. LUIGI CHIODI.

Bologna

Biblioteca Carducci: Casa Carducci; given to the commune of Bologna in 1907 by Marguerite of Savoy, inaugurated in 1921; the library preserves the surroundings of the poet Giosue Carducci and contains his collected works, as well as many rare editions of other works; 48,000 vols.; Dir. Dott. GINO NENZIONI.

Biblioteca Comunale—Imola; f. 1608; 137,000 vols.; 1,270 MSS.; 138 incunabula; 100,000 letters and documents; Dir. Dott. FAUSTO MANCINI.

Biblioteca Comunale annessa al Conservatorio Musicale: Piazza Rossini 2; over 49,000 vols.; Librarian Prof. NAPOLEONE FANTI.

Biblioteca Comunale dell'Archiginnasio: Piazza Galvani 1; f. 1801; contains 600,000 vols., including 2,500 incunabula and 15,000 rare editions of the 16th century; 12,000 MSS., 500,000 letters and documents; Dir. Dr. GINO NENZIONI; publs. *L'Archiginnasio, Bollettino della Biblioteca Comunale di Bologna.*

Biblioteca dell'Istituto Giuridico: via Zamboni 27-29; f. 1927; 90,000 vols.; Dir. Prof. ENRICO BASSANELLI.

Biblioteca della Cassa di Risparmio: via Farini 22; f. 1837; 40,000 vols.

Biblioteca "Studium" S. Domenico: Convento San Domenico; f. 1218; 40,000 vols., incunabula and MSS.; special collection philosophy and theology; Dir. P. LUIGI SCIPIONI.

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Biblioteca Universitaria: via Zamboni 35; f. 1605; over 563,500 vols., 7,500 MSS., 1,000 incunabula; Dir. Dr. Cav. ANTONIO TOSCHI.

Brescia

Biblioteca Civica Queriniana: via Mazzini 1, Palazzo Querini; f. 1747; 280,000 vols.; Dir. Dr. UGO BARONCELLI.

Cagliari

Biblioteca Universitaria: via Università 38; f. 1792; 442,261 vols., 1,030 MSS., 5,468 letters and documents, 241 incunabula, 2,351 magazines; Gabinetto delle Stampe "Anna Marongiu Pernis" contains 4,541 etchings; Dir. Prof. Dott. POLIDORO BENVEDUTI.

Catania

Biblioteca Universitaria: Piazza degli Studi 2; f. 1755; 200,000 vols., 100 incunabula, 379 MSS.; Dir. Dr. ANGELO CIAVARELLA.

Cesena (Forlì)

Biblioteca Comunale Malatestiana: Piazza Bufalini 1; f. 1452; 175,000 vols.; Dir. Prof. AUGUSTO CAMPANA.

Como

Biblioteca Comunale: via Cesare Cantù 15; f. 17th century; approx. 160,000 vols. in library; Librarian VENOSTO LUCATI.

Cremona

Biblioteca del Seminario Vescovile: via Milano 5; f. 1592; 50,600 vols.; Dir. DON FRANCO VOLTINI.

Biblioteca Governativa e Biblioteca Civica: via Ugolani Dati 4; f. *c.* 1600; 390,000 vols., 1,010 MSS.; Dir. Dr. ANGELO DACCO; publs. *Annali, Instituta et Monumenta.*

Fermo (Ascoli Piceno)

Biblioteca Comunale: Piazza del Popolo 17; f. 1688; 200,000 vols.; Dir. Dr. MARIO SANTORO.

Ferrara

Biblioteca Comunale Ariostea: via Scientze 17; f. 1753; 140,000 vols.; Dir. Dr. L. CAPRA.

Florence

Biblioteca del Gabinetto Scientifico Letterario G. P. Vieusseux: Palazzo Strozzi, Piazza Strozzi; f. 1819; 350,000 vols.; Dir. Prof. ALESSANDRO BONSANTI.

Biblioteca dell' Accademia di Belle Arti: via Ricasoli 66; f. 1801; 22,000 vols.

Biblioteca della Facoltà di Lettere e Filosofia della Università: Piazza S. Marco 4; f. 1859; 1,395,000 vols.

Biblioteca della Galleria degli Uffizi: via della Ninna 5; f. 1770; 40,000 vols.; Dir. Prof. CESARE FASOLA.

Biblioteca Marucelliana: via Cavour 43; f. 1752; 397,230 vols., 2,130 MSS., 486 incunabula; Dir. Dr. CARLO ANGELERI.

Biblioteca Medicea-Laurenziana: Piazza S. Lorenzo 9; f. 1571; contains the private Medici Library, collections of MSS. from the Grand Dukes of Lorena, S. Croce, S. Marco, Badia Fiesolana, cathedral of Florence, and private family collections; 15th- and 16th-century first editions; 10,327 MSS., 1,570 papyri, 45 ostraca, 53,334 vols.; Dir. Dr. IRMA MEROLLE TONDI.

Biblioteca Nazionale Centrale: Piazza de' Cavalleggeri 1A; f. 1747; 4,000,000 vols., pamphlets, MSS., etc.; Dir. Dr. ALBERTO GIRALDI; publs. *Bibliografia nazionale italiana* (monthly), *Alphabetical Annual Catalogue.*

Biblioteca Riccardiana: via dei Ginori 10; f. 1816; 65,000 vols. and about 6,000 MSS.; Dir. Dr. BERTA MARACCHI BIAGIARELLI.

Biblioteca Moreniana: via dei Ginori 10; f. 1869; 25,000 vols., about 2,000 MSS.; Dir. Dr. BERTA MARACCHI BIAGIARELLI.

Forlì

Biblioteca "A. Saffi" degli Istituti Culturali ed Artistici: Corso della Repubblica 30; 250,000 vols. and historical archives of the city; Dir. Dr. LUIGI SERVOLINI.

Genoa

Biblioteca Durazzo Giustiniani: via Balbi 1; f. 1806; 100,000 vols.

Biblioteca Universitaria: f. 1773; 450,000 vols.; Dir. Dr. MARIA-TERESA ESCOFFIER.

Imola (Bologna)

Biblioteca Comunale: via Emilia 80—Ex-Convento di S. Francesco; f. 1608; 133,500 vols.; Dir. Dr. ANTONIO TOSCHI.

Leghorn

Biblioteca Comunale Labronica Francesco Domenico Guerrazzi: Piazza Roma 6, Villa Fabricotti; f. 1816; 125,000 vols.; Dir. Dr. ELISA BOTTI.

Lucca

Biblioteca del Giardino Botanico: contains very rare books on natural sciences.

Biblioteca Governativa di Lucca: via S. Maria Corteorlandini 12; f. 18th century; 361,762 vols., 869 incunabula, 4,162 MSS.; musical collection of 67 MSS. and *circa* 500 scores; Dir. Dr. MARTA FRIGGERI.

Macerata

Biblioteca Comunale Mozzi-Borgetti: Piazza Vittorio Veneto 3; f. 1773; 160,023 vols.; Dir. Prof. AMEDEO RICCI.

Mantua

Biblioteca Comunale Roberto Ardigò: via Roberto Ardigò 13; f. 1780; 300,000 vols.; Dir. Dr. UBALDO MERONI.

Biblioteca dell' Accademia Virgiliana: via dell' Accademia 47; f. 1768; 62,670 vols.; Librarian Prof. UBERTO CUZZELLI; publ. *Atti e Memorie.*

Messina

Biblioteca Universitaria: via dei Verdi 71; f. 1548; 152,000 vols., 1,255 MSS., 418 incunabula; Dir. Dr. GIAMPIERO TINAZZO.

Milan

Biblioteca Ambrosiana: Piazza Pio XI 2; f. 1609; 850,000 vols. and rare prints, 35,000 MSS., mostly Latin, Greek, and Oriental, 2,100 incunabula, 12,000 parchments, 19,800 prints, 5,000 drawings; Dirs. Drs. C. CASTIGLIONI, A. PAREDI, E. GALBIATI, C. MARCORA.

Biblioteca Civica: Palazzo Sormani, Corso di Porta Vittoria 6; f. 1890; 560,000 vols.; Dirs. ANGELO M. RAGGI, RENATO PAGETTI.

Biblioteca d'Arte: Castello Sforzesco; f. 1930; art library and Leonardo da Vinci Collection.

Biblioteca degli Istituti Ospedalieri: Piazza Ospedale Maggiore 3; f. 1842; 90,000 vols.; Dir. Dr. GIULIO BRUNETTI.

Biblioteca del Centro Nazionale di Studi Manzoniani: via Morone 1; f. 1937; 15,000 vols.; Dir. Prof. Dott. CLAUDIO CESARE SECCHI; publs. *Annali, Edizione Nazionale Opere di A. Manzoni.*

Biblioteca del Conservatorio di Musica G. Verdi: via del Conservatorio 12; f. 1808; 240,000 vols.; Dir. Dr. GUGLIELMO BARBLAN.

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Biblioteca della Facoltà di Giurisprudenza e Lettere dell' Università: via Festa del Perdono, 7; f. 1923; 333,000 vols.; Dir. Dott. GIULIANA SAPORI.

Biblioteca della Facoltà di Agraria: via Celoria 2; 32,000 vols.; Dirs.: Prof. C. ARNAUDI, Prof. E. BALDACCI; Librarian Dr. GIULIANA SAPORI.

Biblioteca dell' Istituto Lombardo di Scienze e Lettere: via Borgonuovo 25; f. 1803; 180,000 vols.

Biblioteca dell' Università del S. Cuore: Largo Gemelli 1; f. 1918; 640,850 vols.; 90,111 pamphlets; 300 publications in series, 7,850 periodicals; Dir. Dr. RUGGERO ORFEI.

Biblioteca dell' Università Commerciale Luigi Bocconi: via Sarfatti 23; 212,903 vols. and 1,625 periodical publs.; Dir. Prof. FRANCO MAX; Technical Supervisor Prof. FRANCESCO BRAMBILLA.

Biblioteca e Archivio, Museo del Risorgimento e Raccolte Storiche del Comune di Milano: Palazzo De Marchi, via Borgonuovo 23; f. 1884; 425,000 books, newspapers and pamphlets, 3,275 files of documents of the period 1750 to the present day; Dir. Prof. Dr. LEOPOLDO MARCHETTI.

Biblioteca Germanica: via Legnono 24; Dir. E. PETERICH.

Biblioteca Morando: Castello Sforzesco; f. 19th century; 4,100 vols., 41 rare incunabula; specialises in astrology and chiromancy; Dir. Prof. CATERINA SANTORO.

Biblioteca Nazionale Braidense: via Brera 28; f. 1763; 709,120 vols., 11,901 periodicals, 21,654 autographs, 1,637 MSS.; Dir. Dott. EMMA COEN-PIRANI.

Biblioteca Trivulziana: Castello Sforzesco; f. 18th century; 35,000 vols., 1,300 codices, including MSS. from the 8th century, parchment books from the 11th century, 1,050 incunabula, and rare editions of works on history and literature; Dir. Prof. CATERINA SANTORO.

Biblioteca Weil-Weiss: Castello Sforzesco; f. 19th century; 7,000 vols., many *de luxe* and illustrated editions of 19th and 20th centuries; Dir. Prof. CATERINA SANTORO.

Modena

Biblioteca Estense: Palazzo del Museo, Piazza S. Agostino; f. 15th century; 400,000 vols., 13,500 MSS., 1,641 incunabula, 165,000 autographs; Dir. PIETRO PULIATTI.

Biblioteca Universitaria: Palazzo dei Musei, Piazza S. Agostino; f. 1772; 120,000 vols., 65 MSS., 5 incunabula; Dir. PIETRO PULIATTI.

Naples

Biblioteca Arcivescovile: Viale Colli Aminei 3, Capodimonte; f. 1851; 60,000 vols.; Dir. ARMANDO SQUILLACE.

Biblioteca del Conservatorio di Musica S. Pietro a Maiella: via S. Pietro a Maiella, n. 35; f. 1791; 63,899 vols.; Dir. ANNA MONDOLFI.

Biblioteca della Società Napoletana di Storia Patria: Piazza Municipio, Maschio Angioino; f. 1876; 140,000 vols.; Dir. Prof. ALFREDO PARENTE; Librarian Prof. OLGA QUARTA GENGHINI.

Biblioteca di Castelcapuano: Piazza dei Tribunali, Palazzo di Giustizia; f. 1848; 40,000 vols.; Dir. Dr. ROSSI BUSSOLA RAFFAELLO.

Biblioteca Oratoriana detta dei Gerolamini: Monumento Nazionale dei Gerolamini, via di Duomo 142; f. 1586; 70,000 vols.; Dir. P. Dr. GUIDO A. MARTINELLI, d.o.

Biblioteca Nazionale: Palazzo Reale; f. 1804; 1,433,677 items incl. 27,439 MSS. and documents, 4,544 incunabula, 1,785 papyri from Herculaneum; Dir. Dr. GUERRIERA GUERRIERI.

Biblioteca Universitaria di Napoli Statale: via G. Paladino 39; f. 1615; 750,000 vols.; open to the public; Dir. Dr. Prof. MARIA GIUSEPPINA CASTELLANO LANZARA.

Novara

Biblioteche Riunite "Civica" e "Negroni": Corso Felice Cavallotti 4; f. 1847 and 1898 respectively; 136,206 vols., 17,075 periodicals, 131 incunabula; MSS., 426 maps, etc.; Dir. Prof. ETTORE CAMASCHELLA.

Padua

Biblioteca Antoniana: Basilica del Santo; f. 1352; 75,000 vols., 800 MSS.; Dir. P. GIOVANNI M. LUISETTO.

Biblioteca Civica: Piazza del Santo 10; f. 1839; 308,244 vols.; Dir. Dr. ALESSANDRO PROSDOCIMI.

Biblioteca del Seminario Vescovile: via Seminario 11; f. 1671; 250,000 vols., 1,124 MSS., 415 incunabula; Dir. IRENEO DANIELE.

Biblioteca Universitaria: via S. Biagio 3; f. 1629; 414,021 vols., 2,579 MSS., 1,630 incunabula, 4,177 reviews, 1,200 maps, and 4,000 engravings; Dir. Dr. ANGELA ZANINI.

Palermo

Biblioteca Comunale: Piazza Brunaccini; f. 1760; 350,000 vols.; Dir. Dr. M. EMMA ALAIMO.

Biblioteca dell' Università: via Maqueda; 120,000 vols.; Dir. Prof. EUGENIO DI CARLO.

Biblioteca Nazionale: Corso Vittorio Emanuele 429-431; f. 1782; 500,000 vols.; Dir. Dr. NICOLO' ZAPPARDO.

Parma

Biblioteca del Conservatorio di Musica Arrigo Boito Sezione Musicale della Biblioteca Palatina: via del Conservatorio 27; f. 1889; 69,000 vols.; Librarian Mo. MARIO MEDICI.

Biblioteca Palatina: Palazzo della Pilotta; f. 1769; 410,000 vols., 5,000 MSS.; 2,000 incunabula; Dir. Dr. ANGELO RAFFAELE CIAVARELLA.

Pavía

Biblioteca Universitaria: Palazzo dell' Università; f. 1763; 367,721 vols., 1,828 MSS.; Librarian Prof. SILVANO GEREVINI (acting).

Perugia

Biblioteca Augusta: Corso Vannucci, Palazzo dei Priori; f. 1615; 175,954 vols.; Dir. Dr. OLGA MARINELLI.

Pesaro

Biblioteca Oliveriana: via Mazza 97; f. 1789; 90,000 vols. on general culture and local history; Librarian Dr. ITALO ZICARI.

Piacenza

Biblioteca Cardinale Giulio Alberoni: Collegio Alberoni—Frazione S. Lazzaro Alberoni, via Emilia Parmense 77; f. 1751; 75,430 vols.; Dir. Dr. GIOCONDO CHECCONI.

Biblioteca Comunale Passerini Landi: via G. Carducci 18; 175,178 vols.; Dir. Dr. EMILIO NASALLI ROCCA.

Pisa

Biblioteca Universitaria: via XXIX Maggio; f. 1742; 347,000 vols., 1,017 MSS., 1,950 documents, 155 incunabula, 429 current periodicals; Dir. Dr. AMICO MONETI ELENA.

Pistoia

Biblioteca Comunale Forteguerriana: Piazza della Sapienza 1; f. 1473; 145,895 vols.; Dir. Dr. GIANCARLO SAVINO.

Portici (Naples)

Biblioteca dell'Istituto di Zoologia Generale e del Laboratorio di Entomologia Agraria di Napoli: Corso Garibaldi 403; f. 1872; 50,000 vols.; Dir. Prof. FILIPPO SILVESTRI.

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Ravenna

Biblioteca Comunale Classense: f. 1707-1711; 200,000 vols.; Dir. Dr. Giuseppe Cortesi (Acting).

Reggio Emilia

Biblioteca Municipale: via Farini 3; f. 1796; 225,000 vols., 10,000 MSS.; Dir. Dr. Bruno Fava.

Rimini

Biblioteca Civica Gambalunga: via Gambalunga 27; f. 1619; 120,000 vols., 384 incunabula, 2,500 MSS.; Dir. Prof. Mario Zuffa.

Rome

Biblioteca Angelica: Piazza S. Agostino 8; f. 1605; 150,000 vols., 2,664 MSS., 1,043 incunabula; Dir. Dr. Lucilla Mariani.

Biblioteca Casanatense: via S. Ignazio 52; f. 1700; 280,000 vols., 5,236 MSS.; Dir. Dr. Giovanni Masi.

Biblioteca Centrale Giuridica presso il Ministero di Grazia e Giustizia: via Arenula; f. 1866; 500,000 vols.; Dir. Dr. Umberto Pettinari.

Biblioteca del Consiglio Nazionale delle Ricerche (*Library of National Research Council*): Piazzale delle Scienze 7; f. 1937; 180,000 vols.; Dir. Dr. Ing. A. Aluffi; publ. *Ricerca Scientifica* (monthly).

Biblioteca dell' Accademia Nazionale dei Lincei: via della Lungara 10; f. 1730; 362,276 vols., 4,000 MSS., 2,293 incunabula, 129,000 pamphlets; Dir. Prof. Raffaello Morghen.

Biblioteca dell' Istituto Nazionale d'Archeologia e Storia dell'Arte: Piazza Venezia 3; f. 1922; *circa* 200,000 vols., 35,000 prints; Dir. Prof. Dr. Olga Pinto; publs. *Annuario Bibliografico di Archaeologia, Annuario Bibliografico di Storia dell' Arte.*

Biblioteca della Camera dei Deputati: Palazzo di Montecitorio; f. 1848 in Turin; 450,000 vols.; open to Members of Parliament; Librarian Dott. Carlo de Franceschi; publs. *Catalogo, Bollettino.*

Biblioteca della Fondazione Marco Besso: Corso Vittorio Emanuele 51; 58,000 vols.; Dir. Melania Joller.

Biblioteca della Galleria Nazionale d'Arte Moderna: Valle Giulia; f. 1933; archives concerning 19th-century and modern art, 8,850 vols.; Dir. Palma Bucarelli.

Biblioteca della Keats-Shelley Memorial Association: Piazza di Spagna 26; f. 1909; 6,910 vols.; Dir. Dr. Vera Signorelli Cacciatore; publs. *Bulletin, Journal.*

Biblioteca della Società Geografica Italiana: via della Navicella 12—Villa Celimontana; f. 1867; 200,000 vols.; Library Counsellor Prof. Carlo Della Valle.

Biblioteca del Ministero degli Affari Esteri: via dei Crociferi 54; f. 1850; 160,000 vols.; Dir. Prof. Angelo Tamborra.

Biblioteca del Ministero dell'Agricoltura e delle Foreste: via XX Settembre 20; f. 1860; 800,000 vols.; Dir. Prof. Paolo Sylos Labini.

Biblioteca del Ministero delle Finanze e del Tesoro: via XX Settembre—Palazzo del Ministero delle Finanze; f. 1857; 160,000 vols.; Dir. Prof. Walter d'Avanzo.

Biblioteca del Ministero dell'Interno: via Agostino Depretis—Palazzo del Viminale; f. 1872; 150,000 vols., Dir. Giuseppe Bigi.

Biblioteca del Senato: Palazzo Madama; f. 1848; 350,000 vols., chiefly works on law, history, and politics; medieval statutes; Dir. Dr. Giuseppe Pierangeli.

Biblioteca di Storia Moderna e Contemporanea: via M. Caetani 32; f. 1917, 115,000 vols.; Dir. Dr. Mario Sandirocco.

Biblioteca Hertziana (Max-Planck-Institut): 28 via Gregoriana; f. 1913; 50,000 vols.; Dir. Prof. Dr. Wolfgang Lotz; Librarian Dr. L. Schudt.

Biblioteca Lancisiana: Borgo S. Spirito 3; f. 1711; 17,932 vols.; Dir. Dr. Pietro de Angelis.

Biblioteca Musicale S. Cecilia: via dei Greci 18; f. 1584; 145,367 MSS. and printed works; Dir. Dr. Antonino Pirrotta.

Biblioteca Nazionale Centrale Vittorio Emanuele: via del Collegio Romano 27; f. 1876; 1,970,000 vols.; Dir. Dr. Laura de Felice Olivieri.

Biblioteca Romana A. Sarti: Piazza dell' Accademia di S. Luca; f. 1877; 23,260 vols. on architecture and modern decorative art, with particular regard to Rome; Dir. Prof. Giuseppe Lugli; Librarian Costanza Canori Garinei.

Biblioteca Vallicelliana: Piazza della Chiesa Nuova 18; f. 1581; 78,000 vols., 3,061 MSS., 500 incunabula; also contains library of "Società Romana di Storia Patria", 50,000 vols.; Dir. Dr. Emerenziana Vaccaro.

Biblioteca Universitaria Alessandrina: f. 1661; 800,000 vols.; Dir. Fernanda Ascarelli.

Library of the Food and Agriculture Organisation of the United Nations (David Lubin Memorial Library, in which is absorbed the Library of the former International Institute of Agriculture): Viale delle Terme di Caracalla; f. 1952; 470,000 vols.; Librarian Hans Jenssen.

Rovigo

Biblioteca dell' Accademia dei Concordi: Piazza V. Emanuele II 14; f. 1580; 140,000 vols.; Dir. Alberto Broglio.

Sassari

Biblioteca Universitaria: f. about 1550; 125,751 vols.; Dir. Dr. Gaetano Iudica.

Siena

Biblioteca Comunale degli Intronati: via della Sapienza 5; f. 1758; 290,000 vols.; Dir. Dr. Gino Garosi.

Teramo

Biblioteca Provinciale Melchiorre Delfico: Convitto Nazionale—Piazza Dante; f. 1816; 130,906 vols.; Dir. Giovanni Muzj.

Trento

Biblioteca Comunale: via Roma 51; f. 1856; 165,000 vols.; Dir. Dr. Annamaria Schlechter.

Treviso

Biblioteca Comunale: Borgo Cavour 18; f. 1837; 168,600 vols.; Dir. Prof. Luigi Coletti.

Trieste

Biblioteca Civica: Piazza Attilio Hortis 4; f. 1793; 250,000 vols., includes Petrarch-Piccolomini Section, and Historical Archives.

Narodna in Študijska Knjižnica v Trstu (*Slovene National Study Library*): 9 via Geppa.

Turin

Biblioteca dell' Accademia delle Scienze: via Accademia delle Scienze 6, and via Maria Vittoria 3; f. 1757; 150,000 vols.; Dir. Dr. Gianni Rondolino.

Biblioteca Nazionale: via Po 19; f. 1720; 650,000 vols., 2,700 MSS., 1,600 incunabula; Dir. Prof. Stelio Bassi.

Biblioteca Reale: Piazza Castello 191; f. 1837; 150,000 vols.; 4,000 MSS.; Dir. Prof. M. Bersano Begey.

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Biblioteche Civiche e Raccolte Storiche: via Cittadella 5; f. 1869; 280,000 vols.; Dir. Dr. ENZO BOTTASSO.

Udine

Biblioteca Comunale Joppi: Piazza Marconi 8; f. 1866; 350,000 vols.; Dir. Dr. LELIA SERENI.

Urbino (Pesaro)

Biblioteca Universitaria: via Aurelio Saffi 2; f. 1720; 119,000 vols.; Dir. LUIGI MORANTI.

Venice

Biblioteca del Civico Museo Correr: Piazza S. Marco 52—Procuratie Nuove; f. 1830; 83,838 vols.; Dir. Prof. GIOVANNI MARIACHER.

Biblioteca della Congregazione dei Mechitaristi: Isola S. Lazzaro; f. 1701; 80,000 vols.; Dir. SERAFINO AKELIAN.

Biblioteca Nazionale Marciana: Palazzo della Zecca; f. 1468; 580,000 vols.; Dir. Dr. Prof. TULLIA GASPARRINI LEPORACE.

Fondazione Querini-Stampalia: S. Zaccaria 4778; f. 1869; 200,000 vols.; Pres. Prof. GINO LUZZATTO; Dir. Prof. GIUSEPPE MAZZARIOL.

Verona

Biblioteca Civica: via Cappello 43; f. 1792; 499,760 vols., 1,219 incunabula; 3,703 MSS.; Dir. Dott. MARIO CARRARA.

Vicenza

Biblioteca Comunale Bertoliana: f. 1708; 336,000 vols.; Librarian Dr. ANTONIO DELLA POZZA.

MUSEUMS AND ART GALLERIES

Ancona

Museo Nazionale: Palazzo Ferretti, via Ferretti 6; f. 1871; Italian, Greek and Roman archæology; large collection of pre-Roman archæology; Dir. Dr. GIOVANNI ANNIBALDI.

Arezzo

Museo Archeologico: via Margaritone; f. 1832; Etruscan, Greek and Roman antiquities, Coralline vases of Augustan period, sarcophagi, mosaics, coins and bronzes; Direction: Superintendent of Antiquities, Florence.

Pinacoteca e Museo Medioevale e Moderno: Palazzo di Giulio III, via San Lorentino; Italian paintings from 13th century to present day, Majolica ware glass, ivories, seals and coins; Curator FRANCO CARPANELLI (Acting).

Bari

Museo Archeologico: Dir. Dr. ANNA MARIA MARTINI.

Bergamo

Galleria dell' Accademia Carrara: Piazza Giacomo Carrara collection includes paintings by Bellini and Previtali; Pres. Dr. IPPOLITO PIPIA.

Bologna

Pinacoteca Nazionale: via Belle Arti 56; f. 1808; Bolognese painting 14-18th century, and other Italian schools; German and Italian engravings; Dir. Prof. CESARE GNUDI.

Museo Civico: via Archiginnasio 2; f. 1881; prehistoric, Egyptian, Greek, Roman, Villanovan, Etruscan, Celtic antiquities; medieval and Renaissance art; Dir. Prof. Dr. LUCIANO LAURENZI.

Museo Etrusco: Marzabotto; f. 1950; Dir. Prof. GUIDO A. MANSUELLI.

Bolzano

Museo Civico di Bolzano: via Cassa di Risparmio; Dir. Prof. NICOLÒ RASMO.

Brescia

Museo Civico di Storia Naturale: Castello; Dir. Prof. EMANUELE SÜSS.

Museo del Risorgimento: Castello; Dir. Dr. GAETANO PANAZZA.

Museo Romano: via dei Musei; Dir. Dr. GAETANO PANAZZA.

Museo dell' Etá Cristiana: via Piamarta 4; Dir. Dr. GAETANO PANAZZA.

Pinacoteca Tosio Martinengo: via Martinengo da Barco 1; Dir. Dr. GAETANO PANAZZA.

Cagliari

Museo Archeologico Nazionale: Piazza Indipendenza; f. 1806; Sardinian antiquities (prehistorical, Punic, Roman periods) and folklore, picture gallery; Dir. Prof. GENNARD PESCE.

Cividale

Museo Archeologico Nazionale: f. 1820; prehistoric. medieval, and Roman archæology; library of 12,000 vols. and archives; publishes various monographs; Dir. Dr. GIUSEPPE MARIONI.

Faenza

Museo Internazionale delle Ceramiche: Piazza Gen. Pasi; Dir. Prof. GIUSEPPE LIVERANI.

Ferrara

Museo Archeologico Nazionale di Spina: via XX Settembre 124 (Palazzo di Ludovico il Moro); f. 1935; Greco-Etruscan vases, statuettes, bronzes and gold ornaments from Spina; Curator Prof. NEREO ALFIERI.

Musei Civici: Palazzo die Diamanti, corso Ercole I d'Este. Four sections:

Pinacoteca Nazionale: Dir. Dr. AMALIA MEZZETTI.

Civica Raccolta d'Arte Moderna: Dir. GUALTIERO MEDRI.

Civico Museo Boldini: Dir. GUALTIERO MEDRI.

Museo del Risorgimento: Dir. GUALTIERO MEDRI.

Florence

Gabinetto Disegni e Stampe: Galleria degli Uffizi; Dir. Prof. GIULIA SINIBALDI.

Galleria degli Uffizi: Piazzale degli Uffizi; f. 16th century; the finest collection of Florentine Renaissance painting in the world; Dir. Dr. LUISA BECHERUCCI.

Galleria Palatina: Palazzo Pitti, Piazza Pitti; f. 17th century; contains a fine collection of paintings of 16th and 17th centuries; Dir. Dr. ANNA MARIA FRANCINI CIARANFI.

Museo Nazionale (Bargello): via del Proconsolo 4; f. 1865; sculpture and objets d'art; Dir. Dr. FILIPPO ROSSI.

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Museo di S. Marco o dell' Angelico: Piazza San Marco; f. 1869; contains the largest existing collection of paintings by Fra Angelico; Dir. Dr. L. BERTI.

Galleria dell' Accademia: via Ricasoli 60; f. 1784; contains the most complete collection of Michelangelo's statues in Florence and paintings of 13th-16th-century masters, mostly Tuscan; Dir. Dr. LUISA MARCUCCI.

Museo degli Argenti: Palazzo Pitti; collections of precious stones, ivories, ambers, cameos, porcelain, principally from the 15th to the 18th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Museo della Casa Fiorentina Antica: Palazzo Davanzati; Dir. (Vacant).

Museo dell' Opera del Duomo: Piazza del Duomo 9; Dir. president of the Opera del Duomo.

Galleria d'Arte Moderna: Palazzo Pitti, Piazza Pitti; f. 1860; contains paintings and sculptures of the 19th and 20th centuries; Dir. Dr. UGO PROCACCI.

Appartamenti Monumentali: Palazzo Pitti; furniture of the 18th and 19th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Museo Horne: Fondazione Horne, via dei Benci; furniture and works of art of the 14th, 15th and 16th centuries; Pres. Prof. Dr. FILIPPO ROSSI.

Museo Archeologico: Piazza SS. Annunziata 9; f. 1870; Egyptian, Etruscan and Greco-Roman archæology; Dir. Prof. GIACOMO CAPUTO.

Museo Stibbert: ancient armour, tapestries, costumes, 15th- and 16th-century furniture, Italian and Oriental works of art; Dir. Prof. GIULIO CIRRI.

Museo Mediceo: Palazzo Medici-Riccardi, via Cavour 1; chapel built by Michelozzo and frescoed by Benozzo Gozzoli (1459); gallery with frescoes by Luca Giordano (1680).

Palazzo Vecchio: Piazza della Signoria; paintings, furnishings; Halls of the *Cinquecento* and the *Seicento*.

Forlì

Istituti Culturali ed Artistici: Corso della Repubblica 30; comprises a picture gallery, collection of prints and engravings, archæological and ethnographical museums, ceramics, sculpture and local history; Piancastelli collection of paintings, medals and coins; Dir. Dr. WALTER VICHI.

Genoa

Direzione Belle Arti e Storia: via Garibaldi 18; f. 1908; Dir. Dr. CATERINA MARCENARO; Museums and Galleries under its control:

Museo di Palazzo Rosso: paintings and sculpture, frescoes and stuccoes, prints and drawings, nativity models, coins, weights and measures, Ligurian ceramics.

Galleria di Palazzo Bianco.

Museo Archeologico.

Museo Navale.

Galleria d'Arte Moderna.

Museo Giannettino Luxoro.

Museo del Tesoro di San Lorenzo.

Museo del Risorgimento e Istituto Mazziniano.

Museo di Architettura e Scultura Ligure.

Museo Etnografico del Castello d'Albertis.

Museo d'Arte Orientale "Edoardo Chiossone": f. 1905; Dir. Dri. CATERINA MERCENARO.

Soprintendenza alle Antichità: via Balbi 10, Palazzo Reale; f. 1939; preservation of monuments and excavations of Liguria (prehistoric and Roman) and ancient city of Luni and prehistoric caves of Balzi Rossi; Dir. Dr. Prof. OLGA ELIA.

Lecce

Museo Archeologico Provinciale S. Castromediano: Palazzo del Governo; f. 1868; archæology; Dir. Dr. MARIO BERNARDINI.

Lucca

Museo di Villa Guinigi: Villa Guinigi, via S. Francesco; collection of Roman and late Roman sculptures and mosaics; Renaissance paintings.

Pinacoteca Civica: Palazzo del Governo; f. 1868; paintings by Botticelli, Fra Bartolomeo, Bronzino, Tintoretto and Tuscan School; Dir. Prof. PIERO SAMPAOLERI.

Mantua

Galleria e Museo di Palazzo Ducale: contains collections of Museo Statuario d'Arte Greca e Romana, f. 1773; Museo Egiziano, f. 1877; Museo Civico, f. 1852; and Galleria di Pittura, f. 1915; Dir. Dr. GIOVANNI PACCAGNINI; publ. (1950) *Catalogue* (fully illustrated).

Matera

Museo Nazionale D. Ridola: via D. Ridola 24; Dir. Prof. FELICE GINO LO PORTO.

Messina

Museo Nazionale: via della Libertà; f. 1953; Dir. Prof. MARIA ACCASCINA.

Mestre

Museo di Mestre e Terre Circonvicine: Villa Querini, via Verdi 26; f. 1950; collections of local works of art, sculpture, armour, etc.; Dir. GIUSEPPE URBANI DE GHELTOF.

Milan

Pinacoteca di Brera: 28 via Brera; f. 1809; pictures of all schools, especially Lombard and Venetian; paintings by Mantegna, Bellini, Crivelli, Lotto, Titian, Veronese, Tintoretto, Tiepolo, Foppa, Bergognone, Luini, Piero della Francesca, Bramante, Raphael, Rembrandt, Van Dyck, Rubens, El Greco, etc.; Dir. Prof. Dr. GIAN ALBERTO DELL'ACQUA.

Pinacoteca Ambrosiana: f. 1618; paintings by Raphael, Botticelli, Titian, Bramante, Luini, etc.; drawings by Leonardo, Dürer, Rubens, etc.; miniatures, enamels, ceramics and medallions; Dir. Dr. CARLO CASTIGLIONI.

Gabinetto Numismatico Municipale: Castello Sforzesco; f. 1879; contains the Gabinetto Collection of Brera, coins and medals of all periods.

Galleria d'Arte Moderna: Villa Reale, via Palestro 16; painting and sculpture from Neo-Classical period to present day.

Museo Civico: Largo Porta S. Agostino 48; Dir. Ing. LINO SANDONNINI.

Museo d'Arte Antica: Castello Sforzesco; f. 1879; sculpture from Middle Ages to 17th century, including the *Pietà* of Michelangelo; paintings, including works by Mantegna, Foppa, Lippi, Bellini, Lotto, Tintoretto, Tiepolo, Guardi, etc.; furniture, silver, bronzes, ivories, ceramics, musical instruments, tapestries by Bramantino.

Museo Lapidario: Largo Porta S. Agostino 48; Dir. Prof. AUGUSTA QUINTAVALLE GHIDIGLIA.

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Museo del Risorgimento e Raccolte Storiche del Comune di Milano: Palazzo De Marchi, via Borgonuovo 23; museum f. 1884; documents, relics, etc., of the period 1750 to the present day; Dir. Prof. Dr. LEOPOLDO MARCHETTI.

Museo Nazionale della Scienza e della Tecnica "Leonardo da Vinci": Piazza San Vittore; f. 1953; scientific and technical activities, displaying relics, models and designs, with particular emphasis on Leonardo's work; Dir. Ing. GUIDO UCELLI.

Museo Poldi Pezzoli: Via A. Manzoni 12; Dir. Prof. GUIDO GREGORIETTI.

Modena

Galleria, Museo e Medagliere Estense: Palazzo dei Musei; f. 15th century in Ferrara, transferred to Palazzo Ducale, Modena, 1598, to Palazzo die Musei 1884, collections include about 700 paintings and drawings of 14th to 18th centuries, sculpture, engravings, medals, etc.; library of 5,000 vols.; Dir. Prof. AUGUSTA QUINTAVALLE GHIDIGLIA.

Naples

Museo "Duca di Martina": alla Floridiana, via Cimarosa 77; Dir. Dr. GIUSEPPE SCAVIZZI.

Museo Nazionale: f. 18th century; works of art from Farnese, Borgia, and Noia collections, and works recovered from excavations in Southern Italy, particularly in Pompeii and Herculaneum; one of the foremost collections of ancient bronzes, wall paintings, and mosaics; Dir. Prof. ALFONSO DE FRANCISCIS.

Museo Nazionale di S. Martino: f. 1872; ancient church of S. Martino with 17th century pictures, 17th century paintings, 13th to 17th century sculpture, majolicas and porcelains, Neapolitan historical records and topographical collection, naval collection, arms and military costumes, opaline glass, section of modern painting, prints and engravings; Dir. GINO DORIA.

Museo e Gallerie Nazionali di Capodimonte: f. 1738; paintings from 13th to 18th centuries; paintings and sculptures of 19th century; collection of arms and armour; medals and bronzes of the Renaissance; porcelain; Dir. Prof. RAFFAELLO CAUSA.

Scavi di Pompei e di Ercolano: f. 1738-48; excavated cities Pompeii and Herculaneum; Dir. Prof. ALFONSO DE FRANCISCIS.

Padua

Museo Civico: Piazza del Santo; f. 1825; Art Gallery (painting, sculpture, bronzes, ceramics, industrial arts), Archæological Museum, Museo Bottacin (Greco-Roman, Paduan, Venetian, Italian, Napoleonic coins and medals); civic library; Dir. ALESSANDRO PROSDOCIMI.

Palermo

Museo Nazionale: Piazza Olivella; f. 1868; Greek, Roman and Etruscan antiquities; Dir. Prof. IOLE MARCONI BOVIO.

Parma

Galleria Nazionale: Palazzo della Pilotta; f. 1752, later reconstructed and added to; paintings from 14th to 19th centuries, including works by Parmigianino, Cima, Greco, Piazzetta, Tiepolo, Holbein, Van Dyck, Mor, Nattier, Correggio, and several painters of the school of Parma; Dir. Dr. AUGUSTA GHIDIGLIA QUINTAVALLE.

Museo Bodoniano: f. 1963; early samples of printing, 80,000 matrices, tools; to the memory of G. B. BODONI.

Museo Nazionale d'Antichità: f. 1759; Dir. Prof. RAFFAELE UMBERTO INGLIERI.

Perugia

Galleria Nazionale dell' Umbria: Palazzo Comunale, Corso Vannucci; f. 1863; paintings of Umbrian school, 13th-16th centuries; also sculptures and jewellery; Dir. Arch. GISBERTO MARTELLI.

Museo Archeologico Nazionale dell'Umbria: Nell'ex Convento di S. Domenico; Dir. U. CIOTTI.

Pisa

Museo Nazionale di S. Matteo: Convento di S. Matteo, Lungarno Mediceo; sculptures by the Pisanos, Nicola, Donatello and Verrocchio; important collection of the Pisan school of the 13th and 14th centuries, and paintings of the 15th, 16th and 17th centuries, ceramics, etc.; Dir. Arch. PIERO SANPAOLESI.

Ravenna

Museo Nazionale di Ravenna: via S. Vitale 11; State property since 1887; Dir. Prof. GIUSEPPE BOVINI.

Rome

Musei Capitolini: Piazza del Campidoglio; Dir. Prof. A. M. COLINI.

Museo di Palazzo Venezia: Piazza Venezia; Dir. Dr. ANTONINO SANTANGELO.

Museo di Roma: Piazza S. Pantaleo; Dir. Prof. A. M. COLINI.

Museo della Civiltà Romana: Piazza G. Agnelli, Rome, EUR; Dir. Prof. A. M. COLINI.

Museo Nazionale Romano: Viale delle Terme; f. 1889; Greek, Hellenistic and Roman sculpture and bronzes; pictures and mosaics, numismatics; archæological collection; Dir. Prof. GIULIO JACOPI.

Soprintendenza del Palatino e Foro Romano: Piazza S. Maria Nova 53; Superintendent Prof. GIANFILIPPO CARETTONI.

Museo di Villa Giulia: 9 Piazzale di Villa Giulia; f. 1889; Etruscan and Italian antiquities; Dir. Prof. RENATO BARTOCCINI.

Museo Nazionale Preistorico ed Etnografico Luigi Pigorini: via del Collegio Romano 26; f. 1875; Superintendent Prof. P. C. SESTIERI; publ. *Bullettino di Paletnologia Italiana* (semi-annual).

Museo Barracco: Corso Vittorio Emanuele 168; f. 1905; evolution of sculpture from Egyptian to Roman styles; Dir. Prof. A. M. COLINI.

Galleria Borghese: Villa Borghese, Rome 151; f. 1616 (*circa*); picture gallery, collections of classical and baroque sculpture; Dir. Prof. Dr. PAOLA DELLA PERGOLA.

Gabinetto Nazionale delle Stampe: Farnesina, via della Lungara 230; f. 1895; Italian and foreign prints and drawings from 14th century to present time; Dir. Prof. Dott. LIDIA BIANCHI.

Galleria Nazionale d'Arte Moderna: Viale delle Belle Arti 131; f. 1883; art of 19th and 20th centuries; Dir. Dr. PALMA BUCARELLI.

Museo Nazionale delle Arti e Tradizioni Popolari: Piazza Marconi, EUR; f. 1923; library of 4,200 vols.; Dir. Dr. Prof. TULLIO TENTORI.

Museo di Castel S. Angelo: Lungo Tevere Castello; f. 1925; ancient and modern armoury, military costumes of Italian State and Nat. Army since 1940; architectural and monumental remains, frescoes, pictures and period furniture; publishes monographs and guide books; Dir. Gen. ARNALDO FORGIERO.

Scavi di Ostia: Roman antiquities, paintings, sculpture, mosaics, etc.; Dir. Dr. A. L. PIETROGRANDE.

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Sarsina (Forlì)

Museo Archeologico: f. 1938; Dir. Prof. Nino Finamore.

Sassari

Museo Nazionale G. A. Sanna: f. 1932; archæology, medieval and modern art, ethnography; Dir. Dr. Guglielmo Maetzke.

Siena

Museo Archeologico: via della Sapienza; Dir. Giacomo Caputo.

Pinacoteca Nazionale: via S. Pietro; f. 1930; 650 paintings exhibited; Dir. Prof. Enzo Carli.

Syracuse

Museo Archeologico Nazionale: Piazza del Duomo 14; f. 1886; prehistory, statuary, coins and antiques from the excavations of the Greco-Roman city and from Eastern Sicily; Dir. Luigi Bernabo Brea.

Taranto

Museo Nazionale: Corso Umberto 41; Dir. Dott. Nevio Degrassi.

Tarquinia

Museo Nazionale Tarquiniense: Palazzo Vitelleschi; f. 1924; Etruscan Sarcophagi 4th and 3rd centuries B.C., Etruscan and Greek vases, bronzes, ornaments; small art gallery, works by Lippi, Batoni and Camuccini; Dir. Dr. Mario Moretti.

Trieste

Civico Museo del Castello di S. Giusto: Piazza della Cattedrale 3.

Civico Museo del Risorgimento e Sacrario Oberdan: via XXIV Maggio 4.

Civico Museo di Storia Patria e Morpurgo de Nilma e Raccolte artistiche Stavropulos: via Imbriani 5.

Civico Museo Sartorio: via Duca d'Aosta 5.

Civico Museo Teatrale di Fondazione Carlo Schmidl: Piazza Verdi 1

Museo Civico di Storia ed Arte e Orto Lapidario: Piazza della Cattedrale 1; Curators: Dr. Bianca Maria Favetta, Dr. Laura Loseri Ruaro.

Museo del Mare: via San Giorgio 3; Curator Mario de Pinto.

Turin

Armeria Reale: Piazza Castello 191; f. 1837; considered as one of the best collections of arms in Europe; includes the famous equestrian armour of Otto Heinrich and works by G. Paolo Negroli, Lucio Piccinino and the famous engravers of the Monaco di Baviera school, Emanuele Sadeler, Daniel Sadeler and Kaspar Spät.

Museo Civico di Torino: via Magenta, 31; Dir. Dr. Vittorio Viale; Artistic Curator Dr. Aldo Passoni; Curator for Coins Dr. Anna Serena Fava; comprises:
Museo Civico d'Arte Antica: Palazzo Madama.
Galleria Civica d'Arte Moderna: via Magenta, 31.
Museo della Citta di Torino: via Cavour.
Borgo e Castello Medioevali: Parco del Valentino.
Museo Pietro Micca: via Guicciardini, 7.

Museo di Antichità: via Accademia delle Scienze 6; Dir. Dr. Carlo Carducci.

Museo Egizio: via Accademia delle Scienze, 6; f. 1824; sarcophagi, mummies, stele, statues, papyri, Sumerian and Assyrian, Ptolemaic and Coptic antiquities; Dir. Prof. Ernesto Scamuzzi.

Galleria Sabauda: Palazzo Accademia delle Scienze; f. 1832; one of principal Flemish and Dutch collections, and early Italian, also Bronzino, Veronese, Tiepolo and Lombard and Piedmontese schools, furniture, sculpture and jewellery; Dir. Dr. Noemi Gabrielli.

Udine

Museo Civico e Gallerie d'Arte Antica e Moderna: nel Castello; Dir. Dr. Aldo Rizzi.

Urbino

Galleria Nazionale delle Marche (Palazzo Ducale): f. 1912; medieval and Renaissance works of art originating in the town of Urbino and the province of Marche; Dir. Prof. Giuseppe Marchini; Sec. Dr. Eolo Fortini; publ. *Anthology*.

Venice

Biennale di Venezia: S. Marco, Ca' Giustinian, Venice; f. 1895; the autonomous institution, "La Biennale di Venezia", organises an international exhibition of visual arts every two years, housed in twenty-seven pavilions belonging to the principal nations of Europe, Asia, Africa and America, an annual international exhibition of cinematographic art, an exhibition of scientific film and documentary art, an international festival of films for children, an international music festival, and an international drama festival; the Biennale owns historical archives of contemporary art (library of 13,000 vols., photographs, etc.); Pres. Prof. Italo Siciliano; Sec.-Gen. Prof. Gian Alberto dell'Acqua; publ. *La Biennale di Venezia*.

Ca' Pesaro: Canal Grande, Venice; oriental art, modern paintings and sculptures.

Cà Rezzonico: Canal Grande, Venice; f. 1936; Venetian Settecento; Dir. Prof. Giovanni Mariacher.

Civico Museo Correr: Piazza San Marco; f. 1830; Venetian art and history of the Serenissima; Dir. Prof. Giovanni Mariacher.

Gallerie dell' Accademia: Campo della Carita 1059A; f. 1807; Dir. Dr. Francesco Valcanover.

Galleria "G. Franchetti": f. 1927; alla Cà da d'Oro; Dir. Prof. Vittorio Moschini.

Galleria Internazionale d'Arte Moderna: San Stae; f. 1897; Italian paintings, and foreign paintings and sculpture, 1800 to present day; Dir. Dr. Guido Perocco.

Museo Archeologico: Piazzetta S. Marco 17; f. 1523, reorganised 1923-26 and again after 1945; Greek and Roman sculpture, jewels and coins, mosaics and sculptures from the 5th to the 11th centuries; Dir. Bruna Forlati Tamaro.

Museo Civico di Storia Naturale: Fontego dei Turchi; marine fauna of the Adriatic, ornithology, entomology; collections of plants and algae of the world.

Museo Storico Navale: Campo Angelo Emo 2148.

Museo Vetrario: Murano; f. 1935; Venetian glass from 1500-1800; Dir. Prof. Giovanni Mariacher.

Palazzo Ducale: Piazza S. Marco; Dir. Prof. Arch. Egle Renata Trincanato.

Pinacoteca Manfrediana: rio della Salute, Venice; Italian paintings mainly of the Renaissance.

Pinacoteca Querini-Stampalia: Ca' Querini-Stampalia, Campo Santa Maria Formosa, Venice; f. 1868; Italian paintings.

Volterra

Museo Diocesano d'Arte Sacra: Palazzo Vescovile; sculpture, paintings, costumes, ornaments, etc.

Museo Etrusco: via Vittorio Emanuele 11; f. 1761; Roman and Etruscan coins, urns, bronzes, etc.; Dir. Prof. Enrico Fiumi.

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Founded 1924

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Registrar: Dr. MARIO NATALE.

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Number of students: 12,780 men, 4,322 women, total 17,102.

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BERTACCINI, GIUSEPPE (Clinical Dermato-Syphilopathy).
CHINI, VIRGILIO (General Clinical and Therapeutic Medicine).
DE BLASI, ALBERTO (Surgical Pathology and Clinical Propædeutics).
D'ERMO, FRANCO (Clinical Ophthalmology).
LUGLI, GUALTIERO (Clinical Oto-Rhino-Laryngology).
MALAGUZZI VALERI, CLAUDIO (Specialised Pathology and Clinical Methodology).
MITOLO, MICHELE (Human Physiology).
PARVIS, DANIELE (Hygiene).
PEROSA, LUCILLO (Medical Semeiology).
REDI, RODOLFO (General Clinical Surgery).
RIGOTTI, SIMONE (Clinic Nervous and Mental Diseases).
RIZZI, ITALO (Anatomy, Histology, Pathology).
SOLARINO, GIUSEPPE (General Pathology).
TRAMBUSTI, BRUNO (Children's Hospital).
VALLE, GIUSEPPE (Clinical Obstetrics and Gynæcology).
ZAMBONI, PETRONIO (Pharmacology).

Faculty of Jurisprudence:
ABBAMONTE, GIUSEPPE (Constitutional Law).
AURICCHIO, ALBERTO (Private Law Institutions).
BACCARI, RENATO (Ecclesiastical Law).
BONIFACIO, FRANCESCO PAOLO (History of Roman Law).
CAPOTORTI, FRANCESCO (International Law).
CASAVOLA, FRANCESCO PAOLO (Roman Law Institutions).
CASSANDRO, GIOVANNI (History of Italian Law).
DELL'ANDRO, RENATO (Penal Law).
DEL PRETE, PASQUALE (Administrative Law).
DE ROBERTIS, FRANCESCO MARIA (Institutions of Roman Law).
GIANNINI, ACHILLE DONATO (Financial Law).
MARTORANO, FEDERICO (Private Law Institutions).
MORO, ALDO (Penal Law).
MOSCHETTI, GUISCARDO (History of Italian Law).
SCOGNAMIGLIO, RENATO (Civil Law).

Faculty of Agriculture:
BOLCATO, VIRGILIO (Agrarian Industry).
CANDURA, GIOVANNI (Agrarian Mechanics).
CAVAZZA, LUIGI (Agronomy).
CICCARONE, ANTONIO (Vegetable Pathology).
PANERAI, ALFREDO (Agricultural Economy).

Faculty of Letters:
CHIARINI, PAOLO (German Language and Literature).
CORSANO, ANTONIO (History of Philosophy).
PALADINI, VIRGILIO (Latin Literature).
PEPE, GABRIELE (Medieval and Modern History).
PRANDI, ADRIANO (Christian Archæology).
PRATESI, ALESSANDRO (Palæography).
RICCIOTTI, GIUSEPPE (History of Christianity).
SANSONE, GIUSEPPE EDUARDO (Romantic Philology).
SANSONE, MARIO (Italian Literature).
SANTONASTASO, GIUSEPPE (History of Political Theory).
SEMERARE, GIUSEPPE (Theoretical Philosophy).

Faculty of Education:
BALDACCI, OSVALDO (Geography).

Faculty of Science:
BARNABEI, OTTAVIO (General Physiology).
BATTAGLIA, EMILIO (Genetics).
CECCARELLI, MARCELLO (Experimental Physics).
CILIBERTI, CARLO (Mathematical Analysis).
DALLA VOLTA, VITTORI (Geometry).
JANNELLI, LILIANA (Physical Chemistry).
LEANDRI, GIUSEPPE (Organic Chemistry).
MANARINI, MARIO (Theoretical Mechanics).
MERLIN, MICHELANGELO (Experimental Physics).
MORELLI, CARLO (Geodesy).
QUAGLIARIELLO, ERNESTO (Biological Chemistry).
SARA, MICHELE (Zoology).
SCATTURIN, VLADIMIRO (General and Inorganic Chemistry).
VENTRIGLIA, UGO (Mineralogy).

Faculty of Engineering:
APOLLONY GHETTI, MARIA BRUNO (Design).
ORABONA, EDOARDO (Hydraulic Constructions).
PETRIGNANI, ACHILLE (Technical Architecture).
RUIZ, SALVATORE (Road and Railway Construction).
SALVATI, MICHELE (Construction Engineering).

Faculty of Pharmacology:
GIULIANO, RAFFAELE (Chemical Pharmaceutics and Toxicology).

UNIVERSITÀ DEGLI STUDI

VIA ZAMBONI 33, BOLOGNA
Telephone: 72,933
Founded 11th Century

Rector: Prof. GIUSEPPE GHERARDO FORNI.
General Secretary: Dr. SEBASTIANO MAZZARACCHIO.

Number of teachers: 121 professors.
Number of students: 16,015.

DEANS:

Faculty of Jurisprudence: Prof. ENRICO BASSANELLI.
Faculty of Economics and Commerce: Prof. WALTER BIGIAVI.
Faculty of Arts and Philosophy: Prof. GIOVANNI BATTISTA PIGHI.
Faculty of Education: Prof. GIOVANNI MARIA BERTIN.
Faculty of Medicine and Surgery: Prof. LUIGI BACIALLI.
Faculty of Mathematics, Physics and Natural Sciences: Prof. DARIO GRAFFI.

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Faculty of Industrial Chemistry: Prof. ANGELO MANGINI.
Faculty of Pharmacy: Profssa. ELISA GHIGI.
Faculty of Engineering: Prof. PAOLO DORE.
Faculty of Agriculture: Prof. LUIGI PERDISA.
Faculty of Veterinary Medicine: ALBINO MESSIERI.

PROFESSORS:

Faculty of Jurisprudence:
ALESSI, RENATO (Administrative Law).
BASSANELLI, ENRICO (Agricultural Law).
CARNACINI, TITO (Civil Procedural Law).
CARRESI, FRANCO (Civil Law).
DE VERGOTTINI, GIOVANNI (History of Italian Law).
LUZZATTO, GIUSEPPE (Roman Law).
NARDI, ENZO (Institutions of Roman Law).
PERGOLESI, FERRUCCIO (Constitutional Law).
RANIERI, SILVIO (Penal Law).
RESCIGNO, PIETRO (Institutions of Private Law).
SCAVO LOMBARDO, LUIGI (Ecclesiastical Law).
SERENI, ANGELO PIERO (International Law).
SYLOS, LABINI PAOLO (Political Economy).

Faculty of Economics and Commerce:
BIGIAVI, WALTER (Commercial Law).
CIUSA, WALTER (Trade).
DAL PANE, LUIGI (Economic History).
D'IPPOLITO, TEODORO (Accountancy).
FAZZI, ROBERTO (Commercial Technology and Industry).
FORTUNATI, PAOLO (Statistics).
MAGGI, RAFFAELLO (Political Economy).
MERLINI, GIOVANNI (Economic Geography).
SANTINI, GERARDO (Industrial Law).

Faculty of Arts and Philosophy:
BATTAGLIA, FELICE (Moral Philosophy).
BIANCHI, LORENZO (German Language and Literature).
BONI, MARCO (Romance Philology).
BOTTARI, STEFANO (History of Medieval and Modern Art).
BOVINI, GIUSEPPE (Christian Archæology).
DEL GRANDE, CARLO (Greek Literature).
DUPRÉ, EUGENIO (Medieval History).
FLORA, FRANCESCO (Italian Literature).
HEILMANN, LUIGI (Glottology).
IZZO CARLO (English Language and Literature).
LAURENZI, LUCIANO (Archæology, History of Greek and Roman Art).
MORETTI COSTANZI, TEODORICO (Philosophical Theory).
PENSA, MARIO (German Language and Literature).
PIGHI, GIOVANNI BATTISTA (Latin Literature).
SPONGANO, RAFFAELE (Italian Literature).
TOSCHI, UMBERTO (Geography).
VARADY, EMERICO (Hungarian Language and Literature).

Faculty of Education:
BERTIN, GIOVANNI MARIA (Pedagogy).
FASOLI, LUIGINA (History).
PAGNINI, MARCELLO (English Language and Literature).
RAIMONDI, EZIO (Italian Language and Literature).
VECCHI, GIUSEPPE (History of Medieval Latin Literature).

Faculty of Medicine and Surgery:
AMBROSETTO, CESARE (Nervous and Mental Disorders).
AMBROSIONI, PIETRO (Hygiene).
BRANZI, ATTILIO (Odontiatrics).
CAMPANACCI, DOMENICO (Specialised Clinical Pathology and Methodology).
CANESTRARI, RENZO (Psychology).
CARAMAZZA, FILIPPO (Clinical Ophthalmology).
CARCO, PAOLO (Clinical Oto-Rhino-Laryngology).
CESTARI, ALDO (Pharmacology).
FAVILLI, GIOVANNI (General Pathology).
GIUNTI, GIULIO (Pathological Anatomy and Histology).
MANGANOTTI, GILBERTO (Syphilodermopathic Clinic).
MANUNZA, PAOLO (Forensic and Insurance Medicine).
MARTONI, LIBERO (Pediatrics).
MORUZZI, GIOVANNI (Biochemistry).
OLIVO, OLIVIERO MARIO (Normal Human Anatomy).
PLACITELLI, GAETANO (Clinical and Therapeutic Surgery).
PUPILLI, GIULIO CESARE (Human Physiology).
QUINTO, PIETRO (Obstetrics and Gynæcology).
RIZZOLI, CARLO (Histology and General Embryology).
ROSA, ALBERTO (Microbiology).
SALVIOLI, GAETANO (Clinical Pediatrics).
SOTGIU, GIULIO (General Clinical and Therapeutic Medicine).
TAGARIELLO, PIETRO (Surgical Pathology).
ZANOLI, RAFFAELE (Clinical Orthopædics).

Faculty of Mathematics, Physics and Natural Sciences:
BASSI, PIETRO (Experimental Physics).
BERTOSSI, FELICE (Plant Physiology).
BONINO, GIOVANNI BATTISTA (General and Inorganic Chemistry)
CIMMINO, GIANFRANCO (Mathematical Analysis and Infinitesimal Calculus).
FERRETTI, BRUNO (Theoretical Physics).
GALLITELLI, PAOLO (Mineralogy).
GRAFFI, DARIO (Rational Mechanics).
LEGHISSA, SILVANO (Comparative Anatomy).
PIGNEDOLI, ANTONIO (Higher Mechanics).
PINI, BRUNO (Mathematical Analysis).
PUPPI, GIAMPIETRO (Advanced Physics).
SAVELLI, ROBERTO (Botany).
SELLI, RAIMONDO (Geology).
SEMERANO, GIOVANNI (Physical Chemistry).
VANNINI, ENRICO (Zoology).
VIALLI, VITTORIO (Palæontology).
VILLA, MARIO (Analytical, Projective and Descriptive Geometry).

Faculty of Industrial Chemistry:
ANDRISANO, RENATO (Specialised Chemical Technology).
COLONNA, MARTINO (Industrial Organic Chemistry).
MANGINI, ANGELO (Industrial Chemistry).
SPINEDI, PAOLO (Science of Metals).

Faculty of Pharmacy:
GHIGI, ELISA (Pharmaceutical and Toxicological Chemistry).

Faculty of Engineering:
BASILE, STEFANO (Electronics).
BOTTAU, BRUNO (Road and Rail Construction).
CIAMPOLONI, FILIPPO (Electro-technics).
COCCHI, GIOVANNI (Hydraulics).
DE CASTRO, ERCOLE (Electronics).
DORE, PAOLO (Topography).
EVANGELISTI, GIUSEPPE (Hydraulic Construction).
FICAI, CELESTINO (Chemistry, Ceramic Technology).
FUNAIOLI, ETTORE (Mechanics).
GIULIANINI, ARTURO (Technical Physics).
MANFREDINI, LUIGI (Industrial Chemistry).
MORANDI, GINO (Machinery).
POGGI, BRUNO (Special Hydraulic Machinery).
POZZATI, PIERO (Construction in Wood, Iron and Cement).
STAGNI, ERNESTO (Transport).
SUPINO, GIULIO (Hydraulics).
ZANABONI, OSVALDO (Building Science).

Faculty of Agriculture:
ANTONIETTI, ALESSANDRO (Agricultural Valuation and Accountancy).
BALDINI, ENRICO (Tree Cultivation).
FERRARI, CARLO (Agricultural Chemistry).
GOIDANICH, GABRIELE (Plant Pathology).
MANCINI, ETTORE (General Agronomy and Pasture Cultivation).
PERDISA, LUIGI (Agrarian Economy and Politics).
PRINCIPI, MARIA MATILDE (Agrarian Entomology).
SACCHETTI, MARIO (Technical Agricultural Microbiology).
STEFANELLI, GIUSEPPE (Agricultural Mechanics).

Faculty of Veterinary Medicine:
BORGATTI, GIUSEPPE (Physiology of Domestic Animals, Bio-Chemistry).
CELLA FILIPPO (Special Pathology and Veterinary Surgery).
CHIODI, VALENTINO (Anatomy of Domestic Animals, Histology, Embryology).
FALASCHINI, ALFIO (General Zootechnics).
MESSIERI, ALBINO (Special Pathology and Clinical Medicine).
MONTRONI, LUIGI (General Pathology, Pathological Anatomy).
PELI, IVO (Zoogamy).

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UNIVERSITÀ DI CAGLIARI

CAGLIARI, SARDINIA
Telephone: 54-884
Founded 1606 by Pope Paolo V

Rector: Prof. Giuseppe Peretti.
Administrative Director: Dr. Antonio Piroddi.
Secretary: Dr. Marcello Tuveri.
Registrar: Giuseppe Maxia.
Librarian: Dr. Graziella Sedda Delitala.

Number of teachers: 150, including 50 professors.
Number of students: 3,031 men, 1,948 women, total 4,979.
Publications: *Studi economico-giuridici* and publications from each Faculty.

Deans:

Faculty of Jurisprudence: Prof. Paola Maria Arcari.
Faculty of Letters and Philosophy: Prof. Giovanni Lilliu.
Faculty of Education: Prof. Angiola Massucco-Costa.
Faculty of Medicine: Prof. Mario Aresu.
Faculty of Science: Prof. Celso Guareschi.
Faculty of Pharmacy: Prof. Giovanni Montaldo.
Faculty of Engineering: Prof. Mario Carta.
Faculty of Economics: Prof. Giuseppe Mica.

Professors:

Faculty of Jurisprudence:
Arcari, Paola M. (History of Political Doctrines).
Ardau, Giorgio (Labour Law).
Cuomo, Giuseppe (Institutions of Public Law).
Montesano, Luigi (Civil Procedural Law).
Salis, Lino (Civil Law).
Sraffa, Piero (Political Economy).
Talamanca, Mario (Institutions of Roman Law).
Ubertazzi, G. M. (International Law).

Faculty of Letters and Philosophy:
Boscolo, Antonio Alberto (Medieval History).
Del Monte, Alberto (Romance Philology).
Levi, Teodoro (Archæology).
Lilliu, Giovanni (Sardinian Antiquities).
Marzullo, B. (Greek Literature).
Meloni, Pietro (Greek and Roman History).
Petronio, Giuseppe (Italian Literature).
Rossi, Paolo (History of Philosophy).
Sionetti, Manlio (Ancient Christian Literature).
Ussani, Vincenzo (Latin Literature).

Faculty of Education:
Capitini, Aldo (Pedagogy).
De Martino, Ernesto (History of Religions).
Massucco-Costa, Angiola (Psychology).
Pracchi, Roberto (Geography).

Faculty of Medicine:
Aresu, Mario (Clinical and Therapeutic Medicine).
Borghese, Elio (Histology and General Embryology).
Brotzu, Giuseppe (Hygiene).
Businco, Ottavio (Radiology).
Dianzani, Mario (General Pathology).
Faraone, G. (Forensic and Insurance Medicine).
Fiaschi, Enrico (Special Medical Pathology and Methodology).
Floris, Vincenzo (Clinical Nervous and Mental Diseases).
Leone, Antonietta (Child Medicine).
Macciotta, Giuseppe (Clinical Pediatrics).
Migliavacca, Angelo (Clinical Obstetrics and Gynæcology).
Montaldo, Giovanni (Anatomy and Pathological Histology).
Peretti, Giuseppe (Human Physiology).
Pezzuoli, Giuseppe (General Surgery and Surgical Therapy).
Pinetti, Giuseppe (Clinical Dermosyphilology).
Spanedda, Antonio (Microbiology).
Wirth, Alberto M. (Ophthalmology).

Faculty of Science:
Aymerich, Giuseppe (Rational Mechanics, Statistics and Design).
Castoldi, Luigi (Mathematical Physics).
Ferrone, Enzo (Physical Chemistry).
Frizzi, Guido (Genetics).
Frongia, Giuseppe (Experimental Physics).
Gatto, Raffaele R. (Theoretical Physics).
Guareschi, Celso (Zoology).
Maxia, Carlo (Anthropology).
Maxia, Carmelo (Geology).
Rossetti, Vasco (Mineralogy).
Vardabasso, Silvio (Geology).

Faculty of Engineering:
Berio, Angelo (Constructional Science).
Carta, Mario (Mining Engineering and Mineral Dressing).
Collari, Nello (Applied Chemistry).
Fasso, Costantino (Hydraulics).
Merigiano, Luciano (Electrotechnics).
Rattu, Salvatore (Drawing).
Sandonnini, P. P. (Technics and Economics of Transport).
Scotto Lavina, G. (Mechanics Allied to Machinery).

Faculty of Economics and Commerce:
Emanuelli, Filippo (Social Insurance).
Esposito de Falco, S. (Political and Financial Economy).
Mira, G. (History of Economics).
Pino, Augusto (Institutions of Private Law).
Vitta, E. (Institutions of Public Law).

UNIVERSITÀ LIBERA DI CAMERINO

CAMERINO
Telephone: 82466
Founded 1727.

Rector: Prof. Vittorio Marchesoni.
Secretary: Mario Luzi.

Number of teachers: 10 professors.
Number of students: 925.
Publications: *Annuario, Annali, Notiziario.*

Deans:

Faculty of Jurisprudence: Prof. Pietro Rasi.
Faculty of Science: Prof. Enrico Urbani.
Faculty of Pharmacy: Prof. Guido Giacomo Tedeschi.

Professors:

Faculty of Jurisprudence:
Ciprotti, Pio (Ecclesiastical Law).
Malintoppi, Antonio (International Law).
Palazzolo, Vincenzo (Philosophy of Law).
Rasi, Pietro (History of Italian Law).

Faculty of Science:
Fava, Antonino (General and Inorganic Chemistry).
Marchesoni, Vittorio (Botany).
Tedeschi, Guido Ciacomo (General Physiology).
Urbani, Enrico (Zoology).

Faculty of Pharmacy:
Saccardi, Pietro (Chemical Pharmacology, Toxicology).
Zamboni, Petronio (Pharmacology, Pharmacognosy).

UNIVERSITÀ DI CATANIA

CATANIA
Telephone: 275-739
Founded 1434

Rector: Prof. Cesare Sanfilippo.
Administrative Director: Dr. Giovanni Moretto.

Number of teachers: 268, including 77 professors.
Number of students: 8,784.

Deans:

Faculty of Jurisprudence: Prof. Giuseppe Auletta.
Faculty of Economics and Commerce: Prof. Antonino Petino.
Faculty of Letters and Philosophy: Prof. Quintino Cataudella.
Faculty of Medicine and Surgery: Prof. Antonino Francaviglia.
Faculty of Mathematics, Physics, Chemistry and Natural Sciences: Prof. Bruno Foresti.
Faculty of Pharmacy: Prof. Riccardo Passerini.
Faculty of Agriculture: Prof. Amedeo Iannaccone.

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PROFESSORS:

Faculty of Jurisprudence:
AULETTA, GIUSEPPE (Commercial Law).
CANNADA BARTOLI, EUGENIO (Administrative Law).
CONDORELLI, ORAZIO (Philosophy of Law).
COSENTINI, CRISTOFORO (History of Roman Law).
FINOCCHIARO, FRANCESCO (Canon Law).
GUELI, VINCENZO (Constitutional Law).
OTTAVIANO, VITTORIO (Public Law Institutions).
PIANO, MORTARI VINCENZO (History of Law).
SANFILIPPO, CESARE (Institutions of Roman Law).
SCARANO, LUIGI (Penal Law).
ZANGARA, VINCENZO (Constitutional Law).
ZINGALI, GAETANO (Finance and Financial Law).

Faculty of Economics and Commerce:
BIANCA, CESARE MASSIMO (Private Law Institutions).
DE LUCA, ALFREDO (Private Law Institutions).
MAJORANA, SALVATORE (Financial Science).
PAVONE, ANTONIO (Commercial Law).
PETINO, ANTONINO (Economic History).
SALZANO, AMEDEO (Bookkeeping).
VANZETTI, ADRIANO (Industrial Law).

Faculty of Letters and Philosophy:
AGNELLO, GIUSEPPE (Christian Archæology).
CATAUDELLA, QUINTINO (Greek Literature).
DELBONO, FRANCESCO (German Language and Literature).
FIGURELLI, FERNANDO (Italian Literature).
LA VIA, VINCENZO (Pedagogy).
MAZZARINO, SANTO (Greek and Roman History).
MORISANI, OTTAVIO (History of Medieval and Modern Art).
NASELLI, CARMELINA (Folk Lore and Literature).
OTTAVIANO, CARMELO (History of Philosophy).
PICCITO, GIORGIO (Sicilian Dialectology).
RAPISARDA, EMANUELE (Early Christian Literature).

Faculty of Medicine and Surgery:
BASILE, ATTILIO (General Clinical Surgery).
BIANCHI, LORENZO (Human Anatomy).
BIOCCA, PAOLO (Surgical Pathology).
CANNAVÁ, ALBERTO (Pharmacology).
CETRONI, BERARDO M. (Clinical Obstetrics and Gynæcology).
CIMINO, SEBASTIANO (General Pathology).
CLEMENTI, ANTONINO (Human Physiology).
COTTINI, G. BATTISTA (Clinical Dermato-Syphilopathy).
DI MARIA, GIUSEPPE (Phthisiology).
FAVALORO, GIUSEPPE (Clinical Ophthalmology).
FORTUNATO, VINCENZO (Clinical Oto-Rhino-Laryngology).
FRANCAVIGLIA, ANTONINO (General Clinical Medicine).
INFANTELLINA, FRANCESCO (Human Physiology).
MELDOLESI, GASTONE (Radiology).
NICOLETTI, FERDINANDO (Legal Medicine and Insurance).
PARADISO, FELICE (Clinical Pædiatrics).
PERO, CARMELO (Neurology).
PETRAGNANI, GIOVANNI (Hygiene).
RASARIO, GIOVANNI MARIA (Semeiology).
RICCERI, GIUSEPPE (Biological Chemistry).
RUSSO, FRANCESCO (Clinical Orthopædics).
SANFILIPPO, GIUSEPPE (Pharmacology).
SIGNORELLI, SAVERIO (Specialised Pathology).
TEMPESTINI, OMERO (Clinical Odontology).

Faculty of Mathematics, Physics, Chemistry and Natural Sciences:
AQUARO, GIOVANNI (Mathematical Analysis).
BARBUTI, UGO (Calculus).
CARASSITI, VITTORIO (Chemistry).
COCCO, GIOVANNI (Mineralogy).
DANTONI, GIOVANNI (Geometry).
FOFFANI, ANTONIO (Chemistry Physics).
FORESTI, BRUNO (Chemistry).
FRACASTORO, MARIO GIROLAMO (Astronomy).
LA GRECA, MARCELLO (Zoology).
OGNIBEN, LEONE (Geology).
PASSERINI, RICCARDO (Industrial Chemistry).
PATANÈ, LUIGI (Marine Biology).
QUERCIA, ITALO (Physics).
RICAMO, RENATO (Experimental Physics).
STORCHI, EDUARDO (Rational Mechanics).
TOMASELLI, RUGGERO (Botany).

Faculty of Pharmacy:
(Vacant—Pharmaceutical Chemistry).

Faculty of Agriculture:
BUIATTI, GIOVANNI (Zootechnics).
GIOVANNINI, ERMINIO (Agricultural Chemistry).
IANNACCONE, AMEDEO (General Agronomy and Grass Crops).
LUPO, VINCENZO (Agricultural Entomology).
PATUELLI, VINCENZO (Economic and Agricultural Politics).
SCARAMUZZI, GIOVANNI (Plant Pathology).
ZITO, FRANCESCO (Forestry).

UNIVERSITÀ DEGLI STUDI

VIA DELLE SCIENZE 17, FERRARA

Founded 1391.

Rector: Prof. Dr. GIOVANNI BATISTTA DELL'ACQUA.
Administrative Director: Dr. PASQUALE PERICONE.

Number of teachers: 69, including 33 professors.
Number of students: 1,957 men, 352 women, total 2,039.
Publications: *Annali della Università, Annuario.*

DEANS:

Faculty of Jurisprudence: Prof. ALFREDO MOSCHELLA.
Faculty of Medicine and Surgery: Prof. VITTORIO AMEDEO PUCCINELLI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. LEO CAVALLARO.
Faculty of Pharmacy: GIUNIO BRUTO CRIPPA.

PROFESSORS:

Faculty of Jurisprudence:
AMIRANTE, L. (Institutions of Roman Law).
BERNINI, G. (Comparative Private Law).
COLORNI, VITTORE (History of Italian Law).
CONTIERI, ENRICO (Penal Law).
GIOFFREDI, CARLO (Roman Law).
GORINO CAUSA, M. (Ecclesiastical Law).
LUCATELLO, GUIDO (Constitutional Law).
MOSCHELLA, ALFREDO (Agrarian Law).
ZUCCAALA', G. (Penal Procedure).

Faculty of Medicine and Surgery:
BASERGA, ANGELO (Semeiology).
DELL'ACQUA, GIOVANNI BATTISTA (Clinical Medicine).
GAIATTO, SANTE (Pharmacology).
LANZA, GIOVANNI (Anatomy and Pathological Histology).
PANSINI, R. (Semeiology).
MURATORI, GIULIO (Human Anatomy).
PUCCINELLI, VITTORIO AMEDEO (Clinical Dermato-Syphilopathy).
QUINTO, PIETRO (Clinical Obstetrics and Gynæcology).
ROBUSCHI, LUIGI (General Pathology).
SARTORI, E. (Pædiatrics).
TRINCAS, MARIO (General Clinical Surgery).
TORTORA, M. (Obstetrics and Gynæcology).
TRONCONI, VITTORIO (Nervous and Mental Diseases).
VESPIGNANI, A. (Radiology).
VIGI, F. (Clinical Oto-Rhino-Laryngology).

Faculty of Mathematical, Physical and Natural Sciences:
CANELLA, M. F. (Zoology).
CAVALLARO, LEO (General and Inorganic Chemistry).
CLEMENTEL, E. (Theoretical Physics).
DRIGO, ANGELO (Experimental Physics).
GIOELLI, FELICE (Botany).
LEONARDI, PIETRO (Geology).
MARCHIONNA TIBILETTO, C. (Analytical, Projective and Descriptive Geometry).
RAUNICH, LEO (Comparative Anatomy).
TRIA, EUSEBIO (General Physiology).
ZWIRNER, GIUSEPPE (Mathematical Analysis).

UNIVERSITÀ DEGLI STUDI

PIAZZA SAN MARCO 4, FLORENCE

Telephone: 283874

Founded 1321

Rector: Prof. GIAN G. ARCHI.
Secretary and Registrar: Dr. TULLIO GALLO.

Number of teachers: 310, including 121 professors.
Number of students: 7,520.

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DEANS:

Faculty of Jurisprudence: Prof. VITTORIO SANTOLI.
Faculty of Social and Political Sciences: Prof. GIUSEPPE MARANINI.
Faculty of Economics: Prof. ALBERTO BERTOLINO.
Faculty of Letters and Philosophy: Prof. VITTORIO SANTOLI.
Faculty of Education: Prof. GIOVANNI NENCIONI.
Faculty of Medicine and Surgery: Prof. ANTONIO LUNEDEI.
Faculty of Science: Prof. GIOVANNI SANSONE.
Faculty of Pharmacology: Prof. GUIDO CAROBBI.
Faculty of Architecture: Prof. RAFFAELLO FAGNONI.
Faculty of Agriculture and Forestry: Prof. MARINO GASPARINI.

PROFESSORS:

Faculty of Jurisprudence:

ARCHI, GIANGUALBERTO (Roman Law).
COLI, UGO (History of Roman Law).
FERRARA, FRANCESCO (Commercial Law).
FROSALI, RAOUL ALBERTO (Penal Law).
GISMONDI, PIETRO (Ecclesiastical Law).
LA PIRA, GIORGIO (Elements of Roman Law).
MAZZONI, GIULIANO (Labour Legislation).
MICHELI, GIOVANNI ANTONIO (Civil Procedural Law).
MIELE, GIOVANNI (Administrative Law).
NICOLINI, UGO (History of Italian Law).
PIOVANI, PIETRO (Philosophy of Law).
ROMANO, SALVATORE (Civil Law).
SALVIOLI, GABRIELE (International Law).

Faculty of Social and Political Sciences:

BIONDI, POMPEO (Theory of the State).
CURCIO, CARLO (History of Political Law).
GALLI, RENATO (Political Economy).
MARANINI, GIUSEPPE (Italian Constitutional and Comparative Law).
MOSCA, RODOLFO (History of Treaties, International Politics).
PELLIZZI, CAMILLO (Sociology).
RAVA, RENZO (Labour Law).

Faculty of Economics:

BERTOLINO, ALBERTO (Political Economy).
BONFERRONI, CARLO EMILIO (Financial Mathematics).
BRACCO, ROBERTO (Commercial Law).
CORSANI, GAETANO (Financial and Industrial Management).
FUNAIOLI, CARLO ALBERTO (Private Law).
NICE, BRUNO (Economic Geography).
PARENTI, GIUSEPPE (Statistics).
RIPARBELLI, ALBERTO (General and Applied Accountancy).
SAPORI, ARMANDO (Economic History).
VILLANI, FELICE (Financial Law).

Faculty of Letters and Philosophy:

BANTI, LUISA (Etruscan Studies).
BARTOLETTI, VITTORIO (Papyrology).
BECATTI, GIOVANNI (Archæology and History of Classical Art).
BINNI, WALTER (Italian Literature).
CANTIMORI, DELIO (Modern History).
CONTINI, GIANFRANCO (Romance Philology).
DEVOTO, GIACOMO (Glottology).
GARIN, EUGENIO (History of Philosophy).
GIANNELLI, GIULIO (Greek and Roman History).
LONGHI, ROBERTO (History of Medieval and Modern Art).
MIGLIORINI, BRUNO (History of the Italian Language).
PELLEGRINI, CARLO (French Language and Literature).
PIATTOLI, RENATO (Palæography).
PUGLIESI CARATELLI, GIOVANNI (Ancient History of Western Asia).
RONCONI, ALESSANDRO (Latin Literature).
SANTOLI, VITTORIO (German Language and Literature).
SESTAN, ERNESTO (Medieval History).
SESTINI, ALDO (Geography).
VASA, ANDREA (Theoretical Philosophy).

Faculty of Education:

BALDI, SERGIO (English Language and Literature).
BARBADORO, BERNARDINO (History).
BORGHI, LAMBERTO (Pedagogy).
LA PENNA, ANTONIO (Latin Language and Literature).
MACRI ORESTE (Spanish Language and Literature).
MARZI, ALBERTO (Psychology).
NATOLI, GLAUCO (French Language and Literature).
NENCIONI, GIOVANNI (Italian Language and Historical Grammar).
PRETI, GIULIO (History of Philosophy).

Faculty of Medicine and Surgery:

ALLARA, ENRICO (Histology and General Embryology).
BACCARI, VINCENZO (Biochemistry).
BONO, SIMONETTA (Oto-Rhino-Laryngology).
BRACCI, ULRICO (Urology).
CARDONA, FILIPPO (Nervous and Mental Diseases).
CHIODI, VITTORIO (Forensic Medicine).
COCCHI, CESARE (Pediatrics).
COSTA, ANTONIO (Pathological Anatomy and Histology).
DAVOLI, RENZO (Microbiology).
DE GIULI, GIULIO (Radiology).
FAZZARI, IGNAZIO (Human Anatomy).
FEDELI, FEDELE (Clinical Surgery).
GREPPI, ENRICO (Clinical Medicine).
INGIULLA, WLADIMIRO (Obstetrics and Gynæcology).
LUNEDEI, ANTONIO (Medical Pathology).
MAZZETTI, GIUSEPPE (Hygiene).
MICHELAZZ, L. (General Pathology).
MORELLI, ANTONIO (Industrial Medicine).
PERUZZI, PIETRO (Physiology).
SCAGLIETTI, OSCAR (Clinical Orthopædics).
SCOLARI, ENEA GIUSEPPE (Dermatology and Syphilology).
SEVERI, ANTONIO (Pathology, Specialised Surgery).
TEODORI, UGO (Semeiology).

Faculty of Science:

CAMPEDELLI, LUIGI (Geometry).
CANNERI, GIOVANNI (Analytical Chemistry).
CAROBBI, GUIDO (Mineralogy).
CARRARA, NELLO (Electromagnetic Waves).
CHIARUIGI, ALBERTO (Botany).
COLOSI, GIUSEPPE (Zoology).
CONTI, ROBERTO (Mathematical Analysis).
FRANCHETTI, SIMONE (Experimental Physics).
GRAZIOSI, PAOLO (Anthropology).
MERLA, GIOVANNI (Geology).
MORPURGO, GIACOMO (Theoretical Physics).
PADOA, EMANUELE (Comparative Anatomy).
PICCARDI, GIORGIO (Physical Chemistry).
RIGHINI, GUGLIELMO (Astronomy).
SACCONI, L. (General and Inorganic Chemistry).
SANSONE, G. (Mathematical, Algebraic and Infinitesimal Analysis).
SESTINI, GIORGIO (Rational Mechanics; Graphic Statics and Drawing).
SPERONI, GIOVANNI (Organic Chemistry).
TORRALDO DI FRANCIA, GIULIANO (Optics).
ZAPPA, GUIDO (Complementary Mathematics).

Faculty of Pharmacology:

PASSERINI, MARIO (Pharmaceutical and Toxicological Chemistry).

Faculty of Architecture:

ARCANGELI, ATTILIO (Building Materials and Construction).
FAGNONI, RAFFAELLO (Restoration of Ancient Buildings).
LIBERA, ADALBERTO (Architectural Style).
QUARONI, LUDOVICO (Town Planning).
RODOLICO, FRANCESCO (Mineralogy and Geology).

Faculty of Agriculture and Forestry:

ALINARI, ERNESTO (Agricultural Chemistry).
BELLUCCI, VINCENZO (Forest Valuation and Economics).
BIRAGHI, ANTONIO (Forest Pathology).
BORGIOLI, ELVIO (General Zootechnics).
BREVIGLIERI, NINO (Arboriculture).
CORTI, ROBERTO (General Botany).
DE PHILIPPIS, ALESSANDRO (Cultivation of Forests).
GAROGLIO, PIER GIOVANNI (Agricultural Industries).
GASPARINI, MARINO (Agronomy and Grass Crops).
GIORDANO, GUGLIELMO (Wood Technology and Manufactures).
MALQUORI, ALBERTO (Forest Chemistry).
PATRONE, GENEROSO (Planned Forestry).
TOFANI, MARIO (Economics and Agricultural Politics).
VITALI, GIOVANNI (Agricultural Mechanics and Technical Drawing).
ZOLI, LIVIO (Forest Irrigation Systems).

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UNIVERSITÀ DEGLI STUDI DI GENOVA

GENOA

Telephone: 297.971-6

Founded 1471

Rector: Prof. Girolamo Orestano.
Administrative Director: Dr. Mario Alburno.

Number of teachers: 424, including 102 professors.
Number of students: 11,000.

Deans:

Faculty of Jurisprudence: Mario Casanova.
Faculty of Economics and Commerce: Prof. Francesco Borlandi.
Faculty of Letters and Philosophy: Prof. Luca de Regibus.
Faculty of Medicine: Prof. Alessandro Vallebona.
Faculty of Science: Prof. Eugenio G. Togliatti.
Faculty of Pharmacy: Prof. Andrea Gandini.
Faculty of Engineering: Prof. Antonio A. Capocaccia.

Professors:

Faculty of Jurisprudence:
Andrioli, Virgilio (Civil Law Suits).
Bagolini, Luigi (Philosophy of Law).
Biscardi, Arnaldo (Roman Law).
Bo, Giorgio (Civil Law).
Casanova, Mario (Commercial Law).
Cereti, Carlo (Constitutional Law).
D'Angelo, Antonino (Private Civil Law).
Ferrarini, Sergio (Navigation Law).
Foschini, Gaetano (Penal Procedure).
Lucifredi, Roberto (Administrative Law).
Piola, Andrea (Ecclesiastical Law).
Prosdocimi, Luigi (History of Italian Law).
Rossi, Paolo (Penal Law).
Scerni, Mario (International Law).

Faculty of Economics and Commerce:
Amaduzzi, Aldo (Accountancy).
Bionda, Giacomo (Study of Commodities).
Borlandi, Francesco (Economic History).
Brusa, Alfio (Economic Geography).
D'Alauro, Orlando (Political Economy and Finance).
del Vecchio, Ettore (Financial Mathematics).
Scotto, Aldo (Financial Science and Financial Law).
Sotgia, Sergio (Commercial Law).

Faculty of Letters and Philosophy:
Accolti Gil Vitale, Nicola (German Language and Literature).
Antonelli, Maria Teresa (History of Philosophy).
Bulferetti, Luigi (Modern History).
Crippa, Romeo (Moral Philosophy).
Della Corte, Francesco (Latin Literature).
De Regibus, Luca (Roman History and Exercises in Epigraphy).
Mingazzini, Paolino (Archæology and History of Greek and Roman Art).
Neppi Modona, Aldo (Greek and Roman Antiquity).
Obertello, Alfredo (English Language and Literature).
Pernicone, Vincenzo (Italian Literature).
Pistarino, Geo (Palæography and Diplomatics).
Scarin, Emilio (Geography).
Sciacca, M. Federico (Theoretical Philosophy).
Turola, Anrico (Greek Literature).

Faculty of Medicine:
Antognetti, Lorenzo (Clinical Medicine).
Baccaredda Boy, Aldo (Dermato-syphilology).
Battezzati, Mario (Specialised Pathological Surgery).
Besta, Bruno (Clinical Phthisis).
Bonsignore, Arturo (Biochemistry).
Briasco, Giovanni (Clinical Dentistry).
Bulgarelli, Rolando (Pediatrics).
Dalla Volta, Amedeo (Psychology).
De Biasi, Ettore (Clinical Obstetrics and Gynæcology).
De Toni, Giovanni (Clinical Pediatrics).
Fazio, Cornelio (Nervous and Mental Diseases).
Fieschi, Aminta (Specialised Pathology and Clinical Methodology).
Franchini, Aldo (Forensic and Insurance Medicine).
Giampalmo, Vittorio (Anatomy and Pathological History).
Giuntini, Leopoldo (Clinical Orthopædics).
Grignolo, Antonio (Opthalmology).
Malan, Edmondo (General Clinical Surgery).
Michelazzi, Luigi (General Pathology).
Molfino, Francesco (Occupational Therapy).
Orestano, Girolamo (Pharmacology).
Pallestrini, Ernesto (Clinical Oto-Rhino-Laryngology).
Perria, Luigi (Neurosurgery).
Petrilli, Fernando (Hygiene).
Romanzi, Carmine (Microbiology).
Rossi-Derubeis, Ferdinando (Normal Anatomy).
Scopinaro, Domenico (Medical Semiotics).
Tolentino, Paolo (Infectious Diseases).
Vallebona, Alessandro (Radiology).
Zummo, Cataldo (Human Physiology).

Faculty of Science:
Borsellino, Antonino (Theoretical Physics).
Bossolasco, Mario (Geodesy).
Cecconi, Jores (Mathematical Analysis).
Conti, Sergio (Geology).
Darbo, Gabriele (Mathematical Analysis).
Gagliardo, Emilio (Mathematical Analysis).
Gallarati, Dionisio (Geometry).
Gamba, Augusto (Higher Physics).
Gherardelli, Francesco (Geometry).
Iandelli, Aldo (Physical Chemistry).
Leandri, Giuseppe (Organic Chemistry).
Malvano, Renato (General Physics).
Martini, Virgilio (General Physiology).
Mazza, Luigi (General Chemistry).
Morpurgo, Giacomo (Structure of Matter).
Pichi Sermolli, Rodolfo (Botany).
Pucci, Carlo (Mathematical Analysis).
Remotti, Ettore (Comparative Anatomy).
Rossi, Corrado (Industrial Chemistry).
Sanero, Edoardo (Mineralogy).
Scortecci, Giuseppe (Zoology).

Faculty of Pharmacy:
Gandini, Andrea (Pharmaceutical Chemistry and Toxicology).

Faculty of Engineering:
Astuni, Enrico (Electrotechnics).
Baldacci, Riccardo (Strength of Materials and Theory of Construction).
Bianchedi, Riccardo (Technics and Economy of Transports).
Bonino, Giovanni Battista (Applied Chemistry).
Cagnoli, Carlo (Merchant Ship Construction).
Capocaccia, Antonio (Machine Construction).
Danese, Guido (Industrial Plant).
Di Bella, Alfio (Naval Architecture).
Faggiani, Dalberto (Applied Physics).
Fornasini, Pietro (Technology).
Fuselli, Eugenio (Town Planning).
Marchi, Enrico (Hydraulics).
Marenesi, Lorenzo (Electro-Magnetic Fields).
Scortecci, Antonio (Siderurgy).
Vocca, Ottavio (Machines).

UNIVERSITÀ DEGLI STUDI DI LECCE

PIAZZA ARCO DI TRIONFO, LECCE

Founded 1959

Rector: On. Prof. Giuseppe Codacci-Pisanelli.
Administrator: Dr. Luigi di Benedetto.

The library contains 40,000 vols.
Number of students: 1,900.

Deans:

Faculty of Letters and Philosophy: Prof. G. Nocera.
Faculty of Education: Prof. Alberto Mori.

Professors:

Faculty of Letters and Philosophy:
Corti, Maria.
Spongano, Raffaele.
Traglia, Antonio.

Faculty of Education:
Codacci-Pisanelli, Giuseppe.
Ussani, Vincenzo.

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UNIVERSITÀ DEGLI STUDI DI MACERATA

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Founded 1290

Rector: Prof. GIUSEPPE LAVAGGI.
Secretary: Dr. ROMOLO VALCHI.
Librarian: Dr. ROMOLO VALCHI (acting).

Number of teachers: 14, including 10 professors.
Number of students :484.
Publication: *Annali.*

PROFESSORS:

Faculty of Jurisprudence:
ABBAMONTE, GIUSEPPE (Constitution).
DELOGU, TULLIO (Penal Law).
FOSCHINI, GAETANO (Penal Procedure).
GALATERIA, LUIGI (Administrative Law).
GIAMPICCOLO, GIORGIO (Civil Law).
LAVAGGI, GIUSEPPE (Institutions of Roman Law).
LONGO, GIANNETTO (Roman Law).
MAFFEI, DOMENICO (History of Law).
MIELE, MARIO (International Law).
SERRAO, FELICIANO (History of Roman Law).

UNIVERSITÀ DEGLI STUDI

VIA TOMMASO CANNIZZARO, MESSINA

Telephone: 218846-8

Founded 1548

Rector: Prof. SALVATORE PUGLIATTI.
Administrative Director: SAVINO CUTRONA.

Number of teachers: 73, including 68 professors.
Number of students: 8,114.

DEANS:

Faculty of Jurisprudence: Prof. ANGELO FALZEA.
Faculty of Letters and Philosophy: Prof. GIORGIO PETROCCHI.
Faculty of Education: Prof. ROSARIO ROMEO.
Faculty of Medicine and Surgery: Prof. FILIPPO BATTAGLIA.
Faculty of Science and Mathematics: Prof. VIRGILIO POLARA.
Faculty of Pharmacy: Prof. FRANCESCO MONFORTE.
Faculty of Veterinary Medicine: Prof. ANTONIO BONADUCE.
Faculty of Economics and Commerce: Prof. VINCENZO MICHELE TRIMARCHI.

PROFESSORS:

Faculty of Jurisprudence:
BELLAVISTA, GIROLAMO (Procedural Penal Law).
CAVALLO, VINCENZO (Penal Law).
DE STEFANO, RODOLFO (Theory of the State).
DI PAOLA, SANTI (Institutions of Roman Law).
FALZEA, ANGELO (Institutions of Private Law).
GERMANI, PIETRO (Agrarian Law).
GRAZIANI, ERMANNO (Ecclesiastical Law).
PARESCE, ENRICO (Philosophy of Law).
PUGLIATTI, SALVATORE (Civil Law).
ROBBE, UBALDO (Roman Law).
SILVESTRI, VINCENZO (Administrative Law).
SPASIANO, EUGENIO (Navigation Law).

Faculty of Letters and Philosophy:
ATTISANI, ADELCHI (Moral Philosophy).
GAMBI, LUCIO (Geography).
MASSA POSITANO, LIDIA (Greek Literature).
MOSCATI, RUGGERO (Modern History).
PETROCCHI, GIORGIO (Italian Literature).
SALVATORE, A. (Latin Literature).

Faculty of Education:
CORDIÈ, CARLO (French Language and Literature).
DELLA VOLPE, GALVANO (History of Philosophy).
ROMEO, ROSARIO (History).
SPINI, GIORGIO (History).

Faculty of Medicine and Surgery:
BARBERI, SALVATORE (Clinical Pediatrics).
BARRESI, GUSTAVO (Special Surgical Pathology).
BATTAGLIA, FILIPPO (Anatomy and Pathological Histology).
CANNAVO, LETTERIO (Infectious and Tropical Diseases).
CARMONA, LUIGI (General Clinical Surgery).
DE BLASI, R. (Hygiene).
DE NUNNI, RENATO (Clinical Medicine).
FUMAGALLI, ZACCARIA (Anatomy).
LIVREA, GAETANO (Human Physiology).
MOTTA, GIUSEPPE (Clinical Obstetrics).
NUNZIANTE, C. A. (Industrial Medicine).
PISACANE, CARLO (Clinical Dermosyphilology).
PISANI, DOMENICO (Nervous and Mental Diseases).
POPPI, A. (Semeiology).
ROMEO, FILIPPO (Clinical Medicine).
SCAFFIDI, V. (Specialised Pathology and Clinical Methodology).
SCULLICA, FRANCESCO (Ophthalmology).
SGROSSO, SALVATORE (Ophthalmology).
SIRACUSA, VITTORIO (Forensic Medicine and Insurance).
TETI, M. (Microbiology).

Facultyof Science and Mathematics:
ALIBRANDI, ANTONIO (General Physiology).
BASILE, FRANCESCO (Drawing).
CALAPSO, RENATO (Analytical Geometry).
DE GIORGI, E. (Mathematics).
DULZETTO, FILIPPO (Zoology).
LAMPARIELLO, GIOVANNI (Rational Mechanics).
LANDOGNA, FRANCESCO (Anthropology).
LIBERTI, ARNALDO (Analytical Chemistry).
MESSERI, ALBINA (Botany).
PIERUCCINI, RENZO (Mineralogy).
POLARA, VIRGILIO (Experimental Physics).
RICCA, BRUNO (General Chemistry).
SETTE, D. (Experimental Physics).

Faculty of Pharmacy:
MONFORTE, FRANCESCO (Pharmaceutical Chemistry).
STAGNO D'ALCONTRES, G. (Applied Biochemistry).

Faculty of Veterinary Medicine:
AJELLO, PIETRO (Obstetrics and Gynæcology).
BONADUCE, ANTONIO (Infectious Diseases, Prophylactics).
D'AGOSTINO, ADA (Physiology and Biochemistry).
DI DOMIZIO, GIUSEPPE (Pathology).
MANTOVANI, GIOVANNI (Food Inspection).
PASSANTINO, GIUSEPPE (Anatomy of Domestic Animals).
ROMAGNOLI, ALDO (Pathology and Clinical Medicine).

Faculty of Economics and Commerce:
TRIMARCHI, V. M. (Institutions of Private Law).

UNIVERSITÀ DEGLI STUDI

VIA FESTA DEL PERDONO 7, MILAN

Telephone: 864341-861751-874613

Founded 1923

Rector: Prof. CAIO MARIO CATTABENI.
Director: Dr. ROBERTO BUONGIOVANNI.
Librarian: Dr. GIULIANA SAPORI.

Number of teachers: 113 professors.
Number of students: 8,306.
Publications: *Acme* (quarterly), *Annuario* (annual), *Studi e Comunicazioni* (annual), publications of the Faculties of Jurisprudence, Letters and Philosophy, and Agriculture.

DEANS:

Faculty of Law: Prof. ENRICO TULLIO LIEBMAN.
Faculty of Letters and Philosophy: Prof. ANTONIO VISCARDI.
Faculty of Medicine and Surgery: Prof. AGOSTINO CROSTI.
Faculty of Sciences: Prof. GIUSEPPE SCHIAVINATO.
Faculty of Agriculture: Prof. CARLO ARNAUDI.
Faculty of Veterinary Medicine: Prof. LUIGI LEINATI.

PROFESSORS:

Faculty of Law:
AMORTH, A. (Administrative Law).
BISCARETTI DI RUFFIA, P. (Constitutional Law).
DELITALA, G. (Penal Law).
DOMINEDO, V. (Political Economy).
FRANCESCHELLI, R. (Commercial Law).
GIULIANO, M. (International Private and Procedural Law).

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LIEBMAN, E. T. (Civil Procedural Law).
MAGNI, C. (Ecclesiastical Law).
PISAPIA, D. (Institutions of Penal Law).
ROTONDI, M. (Institutions of Private Law).
SCHERILLO, G. (Roman Law).
STEVE, S. (Science of Finance and Financial Law).
TOSATO, E. (Constitutional Law).
TREVES, R. S. (Philosophy of Law).
ZICCARDI, P. (International Law).

Faculty of Letters and Philosophy:
BRIZIO, A. M. (History of Medieval and Modern Art).
CANTARELLA, R. (Greek Literature).
CAZZANIGA, I. (Latin Literature).
DAL PRA, M. (History of Philosophy).
DE MARCO, V. (Greek and Latin Grammar).
DEL MONTE, A. (Spanish Language and Literature).
FUBINI, M. (Italian Literature).
GAMBI, L. (Geography).
GEYMONAT, L. (Philosophy of Science).
LEVI, M. A. (Roman History and Epigraphy).
LOMBARDO, A. (English Language and Literature).
MARTINI, G. (Medieval History).
MUSATTI, C. (Psychology).
PACI, E. (Theoretical Philosophy).
PISANI, V. (Glottology).
UNTERSTEINER, M. (History of Early Philosophy).
VISCARDI, A. (Romance Philology).
VITALE, M. (History of the Italian Language).

Faculty of Medicine and Surgery:
BAIRATI, A. (Normal Human Anatomy).
CARNEVALE-RICCI, F. A. (Oto-Rhino-Laryngology).
CATTABENI, C. M. (Forensic Medicine and Insurance).
CAZZULLO, C. L. (Clinical Psychiatry).
CIARANFI, E. (General Pathology).
CROSTI, A. (Dermatology and Syphilology).
DADDI, G. (Phthisiology).
DEOTTO, R. (Microbiology).
GASTALDI, E. (Nervous and Mental Diseases).
GIORDANO, A. (Pathological Anatomy and Histology).
GIOVANARDI, A. (Hygiene).
GUALTIEROTTI, T. (Human Physiology).
MARGARIA, R. (Physiology).
MASPES, P. E. (Neuro-Surgery).
MASSAZZA, S. M. (Obstetrics and Gynæcology).
MELLI, G. (Specialised Pathology and Clinical Methodology).
ORZALESI, F. (Ophthalmology).
OSELLADORE, G. (Clinical Surgery).
PERUSSIA, A. (Therapeutic Application of Nuclear Physics).
PISANI, L. (Urology).
POLI, A. (Clinical Orthopædics).
POLLI, E. (Medical Semiotics).
RATTI, A. (Radiology).
TIENE, E. (Clinical Pædiatrics).
TRABUCCHI, E. (Pharmacology).
TRIVELLINI, A. O. (Surgical Pathology).
VIGLIANI, E. (Industrial Medicine).
VILLA, L. (Clinical Medicine).
ZAMBOTTI, V. (Biological Chemistry).

Faculty of Sciences:
BARIGOZZI, C. (Genetics).
BIANCHI, G. (Electric Chemistry).
CALDIROLA, P. (Theoretical Physics).
CANONICA, L. (Organic Chemistry).
CAPRARO, V. (General Physiology).
CASSINA, U. (Complementary Mathematics).
DESIO, A. (Geology).
DICOBERTALDO, D. (Deposits of Ores).
FACCHINI, U. (General Physics II).
FUSCO, R. (Industrial Chemistry).
LEONE, V. G. (Experimental Embryology and Morphology).
MALATESTA, L. (General and Inorganic Chemistry).
MANARA, C. F. (Geometry).
MARCHIONNA TIBILETTI, C. (Algebra).
MARRÈ, E. (Vegetal Physiology).
OCCHIALINI, G. (Higher Physics).
PASTORI, M. (Rational Mechanics).
POLVANI, G. (General Physics).
RONCHETTI ROSSI, C. (Paleontology).
SALVETTI, C. (Nuclear Physics).
SCHIAVINATO, G. (Mineralogy).
SIMONETTA, M. (Physical Chemistry).
TAGLIAFERRI, G. (Radioactivity).
TONZIG, S. (Botany).
ZAGAR, F. (Astronomy).

Faculty of Agriculture:
ANTONIANI, C. (Agricultural Chemistry).
ARNAUDI, C. (Agrarian and Technical Microbiology).
BALDACCI, E. (Plant Pathology).
BONADONNA, T. (General Zootechnics).
CORBELLINI, A. (Organic Chemistry).
CRESCINI, F. (General Agronomy and Grass Crops).
DOTTI, F. (Forestry).
FABRIS, A. (Rural Industries).
MARTELLI, M. (Agricultural Entomology).
PAGANI, A. (Agrarian Economy and Politics).
TRECCANI DEGLI ALFIERI, V. (Soil Microbiology).
USUELLI, F. (Anatomy and Physiology).

Faculty of Veterinary Medicine:
ADDIS, M. (Obstetrics and Gynæcology).
BIANCHI, C. (Forensic Veterinary Medicine).
BIGNARDI, C. (Animal Anatomy, Physiology, Embryology).
CORSICO, G. (Animal Foodstuffs Technical Preservation).
GIOLITTI, G. (Animal Foodstuffs).
LEINATI, L. (General Pathology and Pathological Anatomy).
MARTINI, E. (Physiology, Biological Chemistry).
NAI, D. (Prophylaxis and Inspection; Epidemiology).
SEREN, E. (Specialised Pathology and Clinical Medicine).
TAGLIAVINI, A. (Pathology and Clinical Surgery).

UNIVERSITÀ DEGLI STUDI

VIA UNIVERSITÁ 4, MODENA

Telephone: 39096-7-8

Founded 1175

Rector: Prof. GIUSEPPE GALLI.
Administrator: Dr. ALBERTO FANTAZZINI.
Registrar: LUCIANO SABELLI.

Number of teachers: 149 professors.
Number of students: 2,863.
Publication: *Bollettino* (Annual).

DEANS:

Faculty of Jurisprudence: Prof. LORENZO SPINELLI.
Faculty of Medicine and Surgery: Prof. MARIO COPPO.
Faculty of Mathematics, Physics and Natural Sciences: Prof. GIORGIO PEYRONEL.
Faculty of Pharmacy: Prof. GIORGIO NEGODI.

PROFESSORS:

Faculty of Jurisprudence:
AMBROSETTI, GIOVANNI (Philosophy of Law).
BUSSI, EMILIO (History of Italian Law).
CANDIAN, ALBERTO (Penal Procedure).
COTTINO, GASTONE (Commercial Law).
FERRI, LUIGI (Civil Law).
MALINVERNI, ALESSANDRO (Penal Law).
MINOLI, EUGENIO (Civil Procedure).
PREDETTI, ADALBERTO (Political Economy).
SPINELLI, LORENZO (Canonical Law).
VIGNOCCHI, GUSTAVO (Administrative Law).

Faculty of Medicine and Surgery:
ACANFORA, GIUSEPPE (Infectious and Tropical Diseases).
BORIANI, ALBERTO (Pharmacology).
BUFFA, PAOLO (General Pathology).
CAVALLINI, DORIANO (Biochemistry).
COPPO, MARIO (Clinical Medicine).
CRISTINI, GIUSEPPE (Clinical Optics).
FRACHE, GIORGIO (Forensic and Insurance Medicine).
GALLI, GIUSEPPE (Chemical Surgery).
GHIGI, CALLISTO (Normal Anatomy).
LENZI, MARIO (Radiology).
MACCIOTTA, MASSIMO (Clinical Obstetrics and Gynæcology).
OLIVO, ROMANO (Hygiene).
PACHIOLI, RENATO (Clinical Pædiatrics).
PEZZUOLI, GIUSEPPE (Clinical Surgery).
PROVVISIONATO, ARRIGO (Clinical Odontology).
REMAGGI, PIER LUIGI (Clinical Oto-Rhino-Laryngology).
ROSSINI, ROMOLO (Nervous and Mental Disorders).

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SAVIANO, MARIO (Human Physiology).
STORTI, EDOARDO (Special Medical Pathology).

Faculty of Mathematics, Physics and Natural Sciences:
BACCI, GUIDO (Zoology).
BAFFONI, GIORGIO (Comparative Anatomy).
BAIADA, EMILIO (Mathematical Analysis).
CHIORBOLI, PAOLO (Physical Chemistry).
COGNETTI, GIUSEPPE (Zoology).
GALLITELLI, PAOLO (Mineralogy).
GALLITELLI, MONTANARO EUGENIA (Palæontology).
GOTTARDI, CLAUDIO (Mineralogy).
LOSACCO, UGO (Geology).
LOVERA, GIUSEPPE (Higher Physics).
MONTANARI, FERNANDO (Organic Chemistry).
NARDINI, RENATO (Rational Mechanics).
NEGODI, GIORGIO (Botany).
PEYRONEL, GIORGIO (General and Inorganic Chemistry).
PIERUCCI, MARIANO (Experimental Physics).
VAONA, GUIDO (Analytical Geometry).

Faculty of Pharmacology:
RAFFA, LINA (Chemical Pharmaceutics).

UNIVERSITÀ DEGLI STUDI

CORSO UMBERTO I, NAPLES

Telephone: 32.33.57

Founded 1224

Rector: Prof. GIUSEPPE TESAURO.
Administrative Director: Dr. G. IORIO.

Number of teachers: 153 professors.
Number of students: 24,473 men, 6,329 women, total 30,802.

DEANS:

Faculty of Jurisprudence: Prof. ANTONIO NAVARRA.
Faculty of Economics and Commerce: Prof. LUIGI LORDI.
Faculty of Letters and Philosophy: Prof. VITTORIO DE FALCO.
Faculty of Medicine and Surgery: Prof. PIETRO VERGA.
Faculty of Science: Prof. CARLO MIRANDA.
Faculty of Pharmacy: Prof. MARIO COVELLO.
Faculty of Engineering: Prof. LUIGI TOCCHETTI.
Faculty of Architecture: Prof. FRANCO JOSSA.
Faculty of Agriculture: Prof. CARLO SANTINI.
Faculty of Veterinary Medicine: Prof. GIUSEPPE VATTI.

PROFESSORS:

Faculty of Jurisprudence:
BONIFACIO, P. (Roman Public Law).
CARIOTA FERRARA, L. (Civil Law).
COVIELLO, LEONARDO (Private Law).
DELL'ANDRO, R. (Institutions of Penal Law).
DE LUCA, MARIO (Political Economy).
DE MARTINO, FRANCESCO (History of Roman Law).
GIORGIANNI, MICHELINO (Private Law).
GUARINO, ANTONIO (Institutions of Roman Law).
IACCARINO, CARLO M. (Administrative Law).
LAURIA, MARIO (Roman Law).
LEFEBVRE D'OVIDIO, ANTONIO (Navigation Law).
NAVARRA, ANTONIO (Labour Laws).
PANNAIN, R. (Penal Law).
PARADISI, BRUNO (History of Italian Law).
PETRONCELLI, MARIO (Ecclesiastical Law).
QUADRI, ROLANDO (International Law).
SABATINI, G. (Penal Procedure).
TESAURO, ALFONSO (Constitutional Law).
VOCINO, C. (Civil Procedural Law).

Faculty of Economics and Commerce:
AMODEO, D. (General and Applied Accountancy).
CILIBERTO, C. (General Mathematics).
CUOMO, G. (Institutions of Public Law).
DE MARCO, DOMENICO (Economic History).
FABRIZI, CARLO (Industrial and Commercial Methods).
GANGEMI, RAFFAELE (Financial Law and Science).
LASORSA, G. (Statistics).
LORDI, LUIGI (Financial Mathematics).
MINERVINI, G. (Commercial Law).
PALOMBA, GIUSEPPE (Political Economy).
SASSI, S. (Banking and Professional Techniques).
TEDESCHI, B. (Financial Mathematics).

Faculty of Letters and Philosophy:
ACCAME, SILVIO (Greek and Roman History).
ALESSIO, GIOVANNI (Glottology).
ARNALDI, FRANCESCO (Latin Literature).
BARBIERI, G. (Greek and Roman Antiquities).
BATTAGLIA, SALVATORE (Romance Philology).
BREZZI, PAOLO (History of Christianity).
CARBONARA, CLETO (History of Philosophy).
CHINOL, ELIO (English Language and Literature).
CORTESE, NINO (History of the "Risorgimento").
DE FALCO, VITTORIO (Greek Literature).
MARIANI, VALERIO (History of Medieval and Modern Art).
MARTANO, G. (History of Ancient Philosophy).
MIGLIORINI, ELIO (Geography).
MOTZO DENTICE D'ACCADIA, CECILIA (Pedagogy).
MUSTILLI, DOMENICO (Classical History and Archæology).
PAOLI, R. (German Language and Literature).
PETRUZZELLIS, N. (Theoretical Philosophy).
PONTIERI, ERNESTO (Medieval and Modern History).
SBORDONE, FRANCESCO (Greek and Latin Grammar).

Faculty of Medicine:
AURICCHIO, LUIGI (Clinical Pediatrics).
BERGAMI, GINO (Human Physiology).
BORGHESE, ELIO (Topographic Anatomy).
BOSSA, GUIDO (Clinical Medicine and Medical Therapy).
CACCURI, SCIPIONE (Industrial Medicine).
CALIFANO, LUIGI (General Pathology).
CEDRANGOLO, FRANCESCO (Biochemistry).
CERUTTI, P. (Clinical Dermato-Syphilopathy).
CIARDI-DUPRE, G. (Normal Human Anatomy).
CUTINELLI, CARMINE (Microbiology).
DE FRANCISCIS, P. (Human Physiology).
DE RITIS, F. (Infectious and Tropical Diseases).
DONATELLI, LEONARDO (Pharmacology).
GIARDINO, GIOSUÈ (Clinical Odontology).
LANZARA, ANTONIO (Pathology; Clinical Propaedeutics).
LONGO, V. (Clinical Nervous and Mental Diseases).
MAGRASSI, FLAVIANO (Specialised Pathology and Clinical Methodology).
MONALDI, VINCENZO (Phthisiology).
MURANO, GIULIO (Puericulture).
MUSCETTOLA, G. (Radiology).
PALMIERI, VINCENZO M. (Forensic Medicine).
PONTONI, LUDOVICO (Semeiology).
RUGGIERI, ETTORE (Clinical Surgery).
SANTONI, A. (Clinical Ophthalmology).
TESAURO, GIUSEPPE (Clinical Obstetrics and Gynæcology).
TIZZANO, A. (Hygiene).
VERGA, PIETRO (Pathological Anatomy and Histology).
ZANNINI, G. (Surgical Semeiology).

Faculty of Science:
CAFIERO, F. (Mathematical Analysis).
CAIANIELLO, EDUARDO (Theoretical Physics).
CARRELLI, ANTONIO (Experimental Physics).
CORRADINI, P. (General and Inorganic Chemistry).
CORTINI, G. (Advanced Physics).
DALLA VOLTA, V. (Geometry).
DE LERMA, B. (General Biology).
FRANCHETTA, ALFREDO (Analytical, Projective and Descriptive Geometry, Drawing).
GALGANO, MARIO (Histology and Embryology).
GIACOMINI, V. (Botany).
GRECO, D. (Institutions of Superior Analysis).
IMBO, GIUSEPPE (Terrestrial Physics).
LIBERTI, A. (Analytical Chemistry).
LIQUORI, A. (Chemical Physics).
MACCAGNO, M. (Paleontology).
MEROLA, A. (Vegetal Physiology).
MIRANDO, CARLO (Mathematics).
NICOLAS, R. A. (Organic Chemistry).
NICOLINI, T. (Astronomy).
ORRU, ANTONIETTA (General Physiology).
PANCINI, E. (General Physics).
QUERZOLI, R. (Structure of Matter).
SALFI, MARIO (Zoology).
SCARSELLA, F. (Geology).
SCHERILLO, ANTONIO (Mineralogy).
STOPPELLI, F. (Superior Mechanics).
TOLOTTI, CARLO (Rational Mechanics and Graphic Statics).

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Faculty of Pharmacy:
Covello, Mario (Pharmaceutical Chemistry and Toxicology).

Faculty of Engineering:
Asta, A. (Electrical Installations).
Avolio de Martino, G. (Water Mains and Sewers).
Breglia, R. (Marine Engineering).
Carlevaro, Enzo (Technical Physics).
Croce, A. (Foundations and Construction Techniques).
d'Amelio, Luigi (Machinery).
Franciosi, Vincenzo (Science of Construction).
Giangreco, Elio (Construction).
Malquori, Giovanni (Industrial Chemistry).
Manna, F. (Construction of Machines).
Mazzoleni, Francesco (Specialised Technology).
Napolitano, L. (Aerodynamics).
Pistilli, G. (Hydraulic Constructions).
Polese, A. (Techniques and Economics of Transportation).
Raithel, A. (Construction of Bridges).
Russo Spena, A. (Hydraulics).
Spinelli, Francesco (Merchant Ship Construction).
Taddei, M. (Applied Mechanics).
Tocchetti, Luigi (Road and Railway Building).
Viparelli, Michele (Hydraulics).
Viterbo, Francesco (Naval Architecture).

Faculty of Architecture:
Canino, Marcello (Architectural Composition).
Chiaromonte, Ferdinando (Elements of Construction).
Cocchia, C. (Elements of Composition).
De Luca, G. (Elements of Architecture and Design of Monuments).
Jossa, Franco (Science of Construction).
Pane, Roberto (Style and Construction of Monuments).
Speziale Filo, Stefania (Building Design).

Faculty of Agriculture:
Angelini, Francesco (General Agronomy and Grass Crops).
Bettini, Tito M. (Zootechnics).
Bottini, O. (Rural Industries).
Casella, Domenico (Arboriculture).
Cristinzio, Michele (Plant Pathology).
La Rotonda, Carlo (Agricultural Chemistry).
Platzer, F. (Agricultural Estimation and Accountancy).
Rossi Doria, Manlio (Agricultural Economics and Politics).
Russo, Giuseppe (Agrarian Entomology).
Santini, Carlo (Agricultural Mechanics).

Faculty of Veterinary Medicine:
Bonaduce, Antonio (Microbiology and Immunology).
De Girolamo, Antonio (Anatomy of Domestic Animals, Histology and Embryology).
Di Martino, M. (Pathology and Clinical Medicine).
Ferrara, Beniamino (General Zootechniques).
Marcato, Arnaldo (Pathology and Pathological Anatomy).
Montemagno, Francesco (Pathology and Clinical Medicine).
Vatti, Giuseppe (Pathology and Clinical Surgery).

UNIVERSITÀ DEGLI STUDI

PADUA

Telephone: 20400

Founded 1222

Rector: Prof. Ing. Guido Ferro.
Secretary: Dr. Pier G. Fabbri Colabich.
Librarian: Dr. Angela Zanini.

Number of teachers: 864, including 100 professors.
Number of students: 10,480.

Deans:

Faculty of Jurisprudence: Prof. Pasquale Voci.
Faculty of Political Science: Ettore Anchieri.
Faculty of Philosophy and Letters: Prof. Carlo Tagliavini.
Faculty of Education: Prof. Giuseppe Flores d'Arcais.
Faculty of Medicine and Surgery: Prof. Luigi Bucciante.
Faculty of Science: Prof. Silvio Bezzi.
Faculty of Pharmacy: Prof. Luigi Musaio.
Faculty of Engineering: Prof. Balbino del Nunzio.
Faculty of Agriculture: Prof. Antonio Servadei.

Professors:

Faculty of Jurisprudence:
Arangio-Ruiz, Gaetano (International Law).
Attardi, Aldo (Civil Law Procedure).
Bagiotti, Tullio (Political Economy).
Bettiol, Giuseppe (Penal Law).
Burdese, Alberto (Principles of Roman Law).
Carraro, Luigi (Principles of Private Law).
Crisafulli, Vezio (Constitutional Law).
Guicciardi, Enrico (Administrative Law).
Mor, Carlo (History of Italian Law).
Opocher, Enrico (Philosophy of Law).
Oppo, Giorgio (Commercial Law).
Rossi, Lionello (Political Economy).
Saraceni, Guido (Ecclesiastical Law).
Trabucchi, Alberto (Civil Law).
Voci, Pasquale (Roman Law).

Faculty of Philosophy and Letters:
Bettini, Sergio (History of Mediæval Art).
Branca, Vittore (Italian Literature).
Cronia, Arturo (Serbo-Croatian Language and Literature).
Diano, Carlo (Greek Literature).
Ferrarino, Pietro (Latin Literature).
Folena, Gianfranco (History of the Italian Language).
Gentile, Marino (Theoretical Philosophy).
Guidi, Augusto (English Language and Literature).
Morandini, Giuseppe (Geography).
Padovani, Umberto (Moral Philosophy).
Palucchini, Rodolfo (History of Modern Art).
Polacco, Luigi (Archæology and History of Greek and Roman Art).
Sartori, Franco (Greek History).
Tagliavini, Carlo (Glottology).

Faculty of Political Science:
Anchieri, Ettore (History of International Political Treaties).
Lucatello, Guido (Constitutional and Comparative Law).
Simonetto, Ernesto (Private Law).
Uggè, Albino (Statistics).

Faculty of Medicine and Surgery:
Aloisi, Massimiliano (General Pathology).
Arslan, Michele (Clinical Oto-Rhino-Laryngology).
Austoni, Mario (Semiology).
Belloni, Giovanni Batt. (Nervous and Mental Diseases).
Bentivoglio, Giancarlo (Clinical Pediatrics).
Bucciante, Luigi (Normal Human Anatomy).
Casuccio, Calogero (Clinical Orthopædics).
Cevese, Pier Giuseppe (Surgical Pathology).
Crepet, Massimo (Industrial Medicine).
Dalla Volta, Alessandro (Clinical Medicine and Therapy).
Flarer, Francesco (Clinical Dermatology).
Frugoni, Pietro (Neurosurgery).
Lenarduzzi, Guerrino (Radiology).
Patrassi, Gino (Medical Pathology and Clinical Methodology).
Pettinari, Vittorio (Clinical Surgery).
Raso, Mario (Pathological Anatomy and Histology).
Santi, Renato (Pharmacology).
Santonastaso, Alfredo (Clinical Ophthalmology).
Siliprandi, Noris (Biological Chemistry).
Stella, Giulio (Human Physiology).
Vendramini, Renzo (Hygiene).

Faculty of Science:
Baldassarri, Mario (Analytical, Projective and Descriptive Geometry).
Bezzi, Silvio (Organic Chemistry).
Bianchi, Angelo (Mineralogy).
Cappelletti, Carlo (Botany).
Croatto, Ugo (General and Inorganic Chemistry).
Dallaporta, Nicolò (Theoretical Physics).
Dal Piaz, Giovanni Batt. (Geology).
d'Ancona, Umberto (Zoology).
Giacometti, Giovanni (Theoretical Chemistry).
Grioli, Giuseppe (Rational Mechanics, Statics and Design).
Marchesoni, Vittorio (Vegetable Physiology).
Mezzetti, Lucio (Experimental Physics).
Morin, Ugo (Analytical Geometry, with Elements of Projective and Descriptive Geometry).
Riccoboni, Luigi (Analytical Chemistry).
Rosino, Leonida (Astronomy).
Rostagni, Antonio (Experimental Physics).

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SABBADIN, ARMANDO (Comparative Anatomy).
SCORZA, GIUSEPPE (Mathematical Analysis).
VILLI, CLAUDIO (Nuclear Physics).
ZANETTIN, BRUNO (Petrography).

Faculty of Pharmacy:
MUSAIO, LUIGI (Pharmaceutical and Toxicological Chemistry).

Faculty of Engineering:
BONVICINI, DANTE (Science of Construction).
COLOMBO, GIUSEPPE (Mechanics of Vibration).
CREPAZ, ENRICO (Industrial Chemistry).
DEL NUNZIO, BALBINO (Technical Physics).
DI PIERI, CIRO (Electrical Construction).
FABBRI COLABICH, GIORGIO (Road and Railway Construction).
FERRO, GUIDO (Maritime Construction).
FRANCINI, GIUSEPPE (Applied Electronics).
GHETTI, AUGUSTO (Hydraulics).
IURZOLLA, EZIO (Construction of Machines).
MARZOLO, FRANCESCO (Hydraulic Construction).
MATTAROLO, FREDOLINO (Applied Thermodynamics).
MEDICI, MARIO (Machinery).
SOMEDA, GIOVANNI (Electrotechnics).
SORGATO, IPPOLITO (Chemical Apparatus).
ZINGALES, GIUSEPPE (Electrical Measures).

Faculty of Education:
FLORES D'ARCAIS, GIUSEPPE (Pedagogy).
GIACON, CARLO (History of Philosophy).
METELLI, FABIO (Psychology).

Faculty of Agriculture:
BALDONI, REMIGIO (General Agronomy and Pasture Cultivation).
CULTRERA, ROLANDO (Agricultural Chemistry).
GHILLINI, CARLO ALBERTO (Plant Pathology).
PASSERINI GLAZEL, OSVALDO (Agricultural Economics and Politics).
SERVADEI, ANTONIO (Agricultural Entomology).
SUSMEL, LUCIO (Silviculture).
VANZETTI, CARLO (Farming Valuation and Accountancy).

UNIVERSITÀ DEGLI STUDI

VIA MAQUEDA, PALERMO

Telephone: 35.6.51

Founded 1777

Rector: Prof. TOMMASO AIELLO.
Administrative Director: Dott. GAETANO CAPPARELLI.

Number of full professors: 56.
Number of students: 8,323 men, 2,092 women, total 10,415.
Publications: *Annali del Seminario Giuridico, Circolo Giuridico L. Sampolo, Annali della Facoltà di Economia e Commercio.*

DEANS:

Faculty of Jurisprudence: Prof. GIOACCHINO SCADUTO.
Faculty of Economics and Commerce: Prof. S. VIANELLI.
Faculty of Letters and Philosophy: Prof. G. COCCHIARA.
Faculty of Medicine and Surgery: Prof. MICHELE GERBASI.
Faculty of Science: Prof. ALBERTO MONROY.
Faculty of Pharmacy: Prof. FRANCESCO BRUNO.
Faculty of Engineering: Prof. MARIO RUBINO.
Faculty of Agriculture: Prof. SALVATORE MONASTERO.
Faculty of Architecture: Prof. SALVATORE CARONIA.

PROFESSORS:

Faculty of Jurisprudence:
ALBANESE, B. (History of Roman Law).
ARENA, A. (Institutions of Private Law).
CATINELLA, SALVATORE (Italian Constitutiona and Comparative Law).
GIARDINA, C. (History of Italian Law).
LIPARI, F. (Civil Law Procedure).
MARRONE, M. (Roman Law).
MONTALBANO, GIUSEPPE (Penal Procedure).
MUSOTTO, G. (Penal Law).
ORLANDO, S. (Institutions of Private Law).
SCADUTO, G. (Civil Law).
SINAGRA, V. (Labour Law).
VIRGA, P. (Administrative Law).
ZANCLA, PLACIDO (International Law).

Faculty of Economics and Commerce:
ARCURI, L. (Economic Geography).
LA LOGGIA, GIUSEPPE (Labour Law).
MORSELLI, E. (Science of Finance and Financial Law).
RESTIVO, FRANCO (Institutions of Public Law).
VIANELLI, S. (Statistics).
ZERBI, T. (General and Applied Accountancy).

Faculty of Letters and Philosophy:
ADRIANI, A. (Archæology and History of Greek and Roman Art).
ALFONSI, L. (Latin Literature).
ARGAN, GIULIO CESARE (History of Medieval and Modern Art).
CANZIANI, P. (Psychology).
CARAMELLA, S. (Theoretical Philosophy).
COCCHIARA, G. (Folk Literature).
GIUNTA, FRANCESCO (Medieval History).
LANDINI, P. (Geography).
LAVAGNINI, B. (Greek Literature).
MANNI, E. (Greek and Roman History, Roman Epigraphy).
MORELLI, E. (History of Risorgimento).
RIZZITANO, U. (Arabic Language and Literature).
ROGNONI, L. (History of Music).
SANTINI, E. (Italian Literature).
TITONE, P. L. V. (Modern History).
TROMBATORE, G. (Italian Literature).
VALENTINI, GIUSEPPE (Albanian Language and Literature).

Faculty of Medicine and Surgery:
BENIGNO, PIETRO (Pharmacology).
BORGHESAN, ETTORE (Clinical Oto-Rhino-Laryngology).
BOSCO, ISIDORO (Clinical Dermatosyphilopathy).
BRUNO, GIOVANNI (Anatomy).
CACIOPPO, FILIPPO (Biological Chemistry).
CASELLI, P. (General Pathology).
CIGNOLINI, P. (Radiology).
D'ALESSANDRO, GIUSEPPE (Hygiene).
DEL CARPIO, I. (Forensic and Insurance Medicine).
FICI, VINCENZO (Phthisiology).
FRADÀ, GIOVANNI (Industrial Medicine).
GATTO, IGNAZIO (Puericulture).
GERBASI, M. (Clinical Pediatrics).
GUCCIONE, F. (Pathological Anatomy and Histology).
LATTERI, F. S. (General Clinical Surgery).
MARCHESI, FRANCESCO (Obstetrics and Gynæcology).
NICOLOSI, G. (Surgical Pathology and Clinical Propædeutics).
PAVONE, MICHELE (Clinical Urology).
RUBINO, ALFIO (Clinical Ophthalmics).
RUBINO, A. (Mental and Nervous Diseases).
TEMPESTINI, E. (Clinical Odontology).
TURCHETTI, ALDO (Special Pathology).
ZAGAMI, V. (Human Physiology).

Faculty of Science:
BAIADA, EMILIO (Mathematical Analysis).
BELLANCA, A. (Mineralogy).
BRUNO, F. (Botany).
CORRENTI, VENERANDO (Anthropology).
CUSMONO, SIGISMONDO (Organic Chemistry).
GUGINO, E. (Rational Mechanics).
GULOTTA, B. (Geodesy).
LOMBARDO, LUCIO (Analytical Geometry).
MONROY, ALBERTO (Comparative Anatomy).
REVERBERI, G. (Zoology).
SACCONI, LUIGI (General and Inorganic Chemistry).
SANTANGELO, MARIANO (Experimental Physics).

Faculty of Pharmacy:
AIELLO, T. (Pharmaceutical and Toxicological Chemistry).

Faculty of Engineering:
APRILE, G. (Mining Engineering).
BARBARO, D. (Technical Physics).
DE GREGORIO, CAMILLO (Transport).
FALETTI, N. (Industrial Electricity).
MANZELLA, G. (Machine Construction).
RUBINO, M. (Mechanics).
RUSSO SPENA, ANDREA (Hydraulics).
SAVAGNONE, R. (Electrotechnics).
SELLERIO, A. (Technical Physics).
STASSI D'ALIA, F. (Special Technology).
TORTORICI, P. (Topography and Geodesy).
ZIINO, V. (Technical Architecture).

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Faculty of Architecture:
CARACCIOLO, E. (Town Planning).
CARONIA, S. (Architectural Composition).
LEVI, L. (Interior Architecture).

Faculty of Agriculture:
BARBERA, G. (Rural Industries).
FLORENZANO, G. (Rural Industries).
FRISELLA VELLA, G. (Principles of Economy and Statistics).
MONASTERO, SALVATORE (Agricultural Entomology).
PASINETTI, L. (Plant Pathology).
PLATZER, FRANCESCO (Economics and Agrarian Politics).
ROSSINI, R. (Agricultural Mechanics).
TORTORELLI, NICOLA (General Zootechnics).

UNIVERSITÀ DEGLI STUDI

VIA UNIVERSITÀ, 12, PARMA

Telephone: 75-27

Founded 1065

Rector: Prof. GIANCARLO VENTURINI.
Director and Secretary: Dr. ALBINO ARDUINI.

Number of teachers: 54 professors.
Number of students: 2,774 men, 564 women, total 3,338.

DEANS:

Faculty of Jurisprudence: Prof. U. GUALAZZINI.
Faculty of Medicine and Surgery: Prof. ALESSANDRO LAURINSICH.
Faculty of Pharmacy: Prof. RENATO ANDRISANO.
Faculty of Physical, Mathematical and Natural Sciences: Prof. BRUNO SCHREIBER.
Faculty of Veterinary Medicine: Prof. GINO FEDRIGO.
Faculty of Economics and Commerce: Prof. EUGENIO LEVI.

PROFESSORS:

Faculty of Jurisprudence:
ANDREOLI, GIUSEPPE (Civil Law).
DONATUTI, GUIDO (Roman Law).
FASSÒ, GUIDO (Philosophy of Law).
FERRARI, G. (Constitutional Law).
FERROGLIO, GIUSEPPE (Ecclesiastical Law).
GALATERIA, LUIGI (Administrative Law).
GHIDINI, MARIO (Commercial Law).
GUALAZZINI, UGO (History of Italian Law).
GUARNERI, GIUSEPPE (Penal Procedure).
PROVINCIALI, R. (Civil Procedural Law).
VENTURINI, GIANCARLO (International Law).

Faculty of Medicine and Surgery:
BIANCHI, CARLO (Medical Semeiology).
BINI, GIUSEPPE (Pathological Histology and Anatomy).
BOBBIO, ANTONIO (General Clinical Surgery).
BOCCHI, L. (Clinical Orthopædics).
BUTTURINI, UGO (Medical Semiotics).
ERSPAMER, VITTORIO (Pharmacology).
GUARESCHI, GUGLIELMO (Forensic Medicine).
IMPERATO, CARLO (Puericulture).
LAURINSICH, ALESSANDRO (Clinical Pediatrics).
MATTEUCCI, PELLEGRINO (Clinical Ophthalmology).
MIGONE, L. (Specialised Pathology and Clinical Methodology).
MONACI, V. (Hygiene).
OTTAVIANI, GAETANO (Human Anatomy).
PINOTTI, O. (Human Physiology).
PORTA, CARLO FELICE (Clinical Oto-Rhino-Laryngology).
REZZESI, FRANCESCO (General Pathology).
SANNA, ANTONIO (Microbiology).
TAMPONI, MARIO (Clinical Dermato-Syphilopathy).
VISINTINI, FABIO (Nervous and Mental Diseases).
VOZZA, FRANCESCO (Clinical Obstetrics and Gynæcology).

Faculty of Pharmacy:
ANDRISANO, RENATO (Pharmaceutical Chemistry & Toxicology)

Faculty of Physical, Mathematical and Natural Sciences:
CARDANI, C. (Organic Chemistry).
CAVALCA, L. (Chemical Structure).
CAVALLI SFORZA, LUIGI (Genetics).
FERRARI, ADOLFO (General and Inorganic Chemistry).
GIALI, ALBERTO (Higher Physics).
LONA, FAUSTO (Botany).
LONGO, CARMELO (Analytical Geometry).
MAMBRIANI, ANTONIO (Mathematical Analysis).
MANACORDA, TRISTANO (Rational Mechanics).
SCHREIBER, BRUNO (Zoology).
VENZO, S. (Geology).
VILLI, CLAUDIO (Theoretical Physics).

Faculty of Veterinary Medicine:
ARTIOLI, DELFO (Inspection of Foodstuffs of Animal Origin).
FEDRIGO, GINO (Obstetrics and Gynæcology).
SCACCINI, A. (Anatomy, Histology and Embryology).
VACCARI, ITALO (Pathology and Clinical Medicine).

Faculty of Economics and Commerce:
COSTANZO, ALESSANDRO (Statistics).
DE MADDALENA, A. (History of Economics).
FEROLDI, FRANCO (Political Economy).
GUATRI, LUIGI (Marketing Research).
LEVI, E. (Mathematics of Finance).
MASINI, C. (General and Applied Accountancy).

UNIVERSITÀ DEGLI STUDI

CORSO STRADA NUOVA 65, PAVIA

Telephone: 24,716

Founded 1361 by Emperor Charles IV

Rector: Prof. LUIGI DE CARO.
Administrative Director: Dr. UMBERTO MARCHI.
Curator of the Museum of University History: Prof. ANTONIO PENSA.

Number of teachers: 280, including 72 professors.
Number of students: 3,739 men, 1,079 women, total 4,818.
Publications: ***Haematologica, Mycopathologia, Atti dell'Istituto Botanico e Laboratorio Crittogamico della Università, Athenæum, Studi nelle Scienze giuridiche ed economiche, Rivista di Diritto finanziario e Scienza delle Finanze, Il Politico, Scientia genetica, Genetica agraria, Annuario.***

DEANS:

Faculty of Jurisprudence: Prof. RODOLFO DE NOVA.
Faculty of Political Sciences: Prof. CARLO EMILIO FERRI.
Faculty of Letters and Philosophy: Prof. ENRICA MALCOVATI.
Faculty of Medicine: Prof. GIORGIO FALCHI.
Faculty of Science: Prof. SILVIO CINQUINI.
Faculty of Pharmacy: Prof. PIETRO PRATESI.

PROFESSORS:

Faculty of Jurisprudence:
DE NOVA, RODOLFO (International Law).
DENTI, SERENO VITTORIO (Civil Procedural Law).
GALEOTTI, S. (Constitutional Law).
GALLO, F. C. (Roman Law).
LENTI, LIBERO (Political Economy).
LOMBARDI, GABRIO (History of Roman Law).
MAURO, TOMMASO (Ecclesiastical Law).
NUVOLONE, PIETRO (Penal Law).
SACCO, RODOLFO (Institutions of Private Law).
STOLFI, GIUSEPPE (Civil Law).
VERGA, ANGELO (Commercial Law).
VISMARA, GIULIO (History of Italian Law).

Faculty of Political Sciences:
BEONIO BROCCHIERI, VITTORIO (History of Political Theory).
CURATO, F. (History of Treaties and International Politics).
FERRI, CARLO EMILIO (Political Economy).
GIGLIO, CARLO (History and Institutions of Afro-Asiatic Countries).
LEONI, BRUNO (Theory of the State).

Faculty of Letters and Philosophy:
ALFIERI, VITTORIO ENZO (History of Philosophy).
ARSLAN, JETWART (History of Medieval and Modern Art).
BARIGAZZI, ADELMO (Greek Literature).
BENDISCIOLI, MARIO (Modern History).
CANTONI, REMO (Theoretical Philosophy).
CARETTI, LANFRANCO (Italian Literature).
D'AGOSTINO, N. (English Language and Literature).
MALCOVATI, ENRICA (Latin Literature).
MERIGGI, PIERO (Glottology).

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Ortolani, Mario (Geography).
Pagnin, Beniamino (Palæography and Diplomatic).
Pellegrini, Alessandro (German Language and Literature).
Segrè, C. (Romance Philology).
Tibiletti, Gianfranco (Greek and Roman History).

Faculty of Medicine:
Berlucchi, Carlo (Neuropathology).
Cavallero, Cesare (Pathological Anatomy).
Checcacci, Luigi (Hygiene).
Cherubino, Mario (Clinical Oto-Rhino-Laryngology).
De Caro, Luigi (Physiology).
Donati, Giuseppe Salvatore (Special Surgical Pathology).
Falchi, Giorgio (Clinical Dermosyphilology).
Fornari, A. A. (Legal Medicine).
Introzzi, Paolo (Clinical Medicine).
Locatelli, Piera (General Pathology).
Malamani, Vittorio (Semiology).
Mascherpa, Pietro (Pharmacology).
Maugeri, Salvatore (Industrial Medicine).
Moracci, Espedito (Obstetrics and Gynæcology).
Palumbi, Gennaro (Normal Human Anatomy).
Pellegrini, Giuseppe (Special Medical Pathology).
Ruffo, A. (Chemical Biology).
Sartori, E.
Tinozzi, Francesco Paolo (Clinical Surgery).

Faculty of Science:
Boni, Alfredo (Geology).
Buzzati Traverso, Adriano (Genetics).
Casella, Cesare (General Physiology).
Cavalli-Sforza, L. (Genetics).
Ciferri, Raffaele (Botany).
Cinquini Cibrario, Maria (Mathematical Analysis).
Cinquini, Silvio (Mathematical Analysis).
Fumi, Fausto (Theoretical Physics).
Galafassi, Vittorio Emanuele (Geometry).
Gigli, A. (General Physics).
Giulotto, Luigi (General Physics).
Grünanger, Paolo (Organic Chemistry).
Levi, Giorgio Renato (General and Inorganic Chemistry).
Loinger, Angelo (Theoretical Physics).
Magenes, Enrico (Complementary Mathematics).
Mazzi, Florenzo (Mineraology).
Rolla, Mario (Physical Chemistry).
Rollier, Mario Alberto (General and Inorganic Chemistry).
Udeschini, Paolo (Rational Mechanics).
Vialli, Maffo (Comparative Anatomy).

Faculty of Pharmacy:
Gialdi, F. (Pharmaceutical Chemistry and Toxicology II).
Pratesi, Pietro (Pharmaceutical Chemistry and Toxicology).

UNIVERSITÀ DEGLI STUDI

PIAZZA DELL' UNIVERSITÀ, PERUGIA

Telephone: 24,21

Founded 1200.

Rector: Prof. Giuseppe Ermini.
Director and Secretary: Dr. Alberto Mezzasoma.
Librarian: Dr. Ludovico Scaramucci.

Number of professors: 74.
Number of students: 4,929.

Deans:

Faculty of Jurisprudence: Prof. Guglielmo Nocera.
Faculty of Letters and Philosophy: Prof. Francesco Ugolini.
Faculty of Political Science: Attilio Verna.
Faculty of Medicine: Prof. Lucio Severi.
Faculty of Pharmacy: Prof. Alessandro Seppilli.
Faculty of Agrarian Science: Prof. Pietro Brozzetti.
Faculty of Veterinary Medicine: Prof. Elio Barboni.
Faculty of Natural and Biological Science: Prof. Amedeo Giacomini.

Professors:

Faculty of Jurisprudence:
De Cupis, A. (Civil Law).
De Dominicis, M. (History of Roman Law).
Ermini, G. (History of Italian Law).
Fazzalari, E. (Civil Procedural Law).
Fedele, P. (Ecclesiastical Law).
Frè, G. C. (Commercial Law).
Gasparri, P. (Administrative Law).
Messina, S. (Penal Law).
Nocera, G. (Institutions of Roman Law).
Ravà, Tito (Institutions of Private Law).
Ruffini, E. (History of Italian Law).
Scarpelli, U. (Philosophy of Law).

Faculty of Letters:
Colonna, A. (Greek Literature).
Grabher, C. (Italian Literature).
Magi, F. (Archæology and History of Greek and Roman Art).
Martinelli, V. (History of Medieval and Modern Art).
Petrocchi, M. (Modern History).
Prini, P. (Theoretical Philosophy).
Salvatore, A. (Latin Literature).
Ugolini, F. (Romance Philology).
Vitucci, G. (Roman History).

Faculty of Political and Economical Science:
Crosara, A. (History of Economic Doctrine).
Foderaro, S. (Institutions of Public Law).
Gasperoni, N. (Commercial Law).
Mannelli, G. (Retail Trading).
Merlani, C. (Industrial and Commercial Technics).
Mire, G. (Economic History).
Narduzzi, N. (Political and Financial Economy).
Renzi, A. (Market Research Technics).
Tamborra, A. (History of Treaties, International Politics).
Verna, A. (General and Applied Accountancy).

Faculty of Medicine and Surgery:
Auricchio, G. (Clinical Optics).
Burgio, G. R. (Clinical Pediatrics).
Caccialanza Miglio, P. (Clinical Dermato-Syphilopathy).
Dominici, G. (General Clinical Medicine, Medical Therapy).
Famiani, V. (Human Physiology).
Gigli, G. (Medical Pathology).
Grilli, A. (Radiology).
Larizza, P. (Clinical Medicine).
Merlini, D. (General Pathology).
Oliva, G. (Semiology).
Selli, M. (Urology).
Severi, L. (Pathological Anatomy, Histology).
Spirito, A. (General Biology, Zoology).
Vaglio, N. (Clinical Obstetrics and Gynæcology).

Faculty of Pharmacy:
Bellavita, V. (Pharmaceutical Practice and Legislation).
Seppilli, A. (Hygiene).

Faculty of Agrarian Science:
Bolli, M. (General Botany).
Brozzetti, P. (General Zootechnics).
Castelli, T. (Agricultural Microbiology).
Giorgi, G. (Rural Estimates and Accountancy).
Grimaldi, A. (General Agronomy).
Jacoboni, N. (Silviculture).
Lippi Boncambi, C. (Applied Geology).
Panella, A. (General Agronomy and Grass Crops).
Petrosini, G. (Agrarian Chemistry).
Sacchi, R. (Zooculture).
Scotton, M. (Agricultural Mechanics).
Sempio, C. (Plant Pathology).
Velatta, M. (Agricultural Hydraulics and Design).

Faculty of Veterinary Medicine:
Barboni, E. (General Pathology, Pathological Anatomy).
Calisti, V. (Obstetrics and Gynæcology).
Castigli, G. (Anatomy of Domestic Animals).
Cilli, V. (Infectious Diseases, Prophylaxis and Inspection).
Dozza, G. (Special Pathology and Veterinary Surgery).
Moretti, B. (Pathology and Clinical Medicine).
Romanelli, V. (Technical Autopsy).
Rowinski, P. (Physiology, Biochemistry).

Faculty of Mathematical, Physical and Natural Sciences:
Belluigi, A. (Geophysics and Climatology).
Colombo, G. (Histology and Embryology).
Fava, A. (Physical Chemistry).
Giacomini, Amedeo (Experimental Physics).
Illuminati, G. (Organic Chemistry).
Moretti, G. P. (Hydro-biology and Pisiculture).
Silvestroni, P. (General and Inorganic Chemistry).

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UNIVERSITÀ DEGLI STUDI

LUNGARNO PACINOTTI 8, PISA

Telephone: 22.3.31

Founded 1343.

Rector: Prof. ALESSANDRO FAEDO.
Director: Dr. CARLO ALBERTO PETRAGLIA.

Number of teachers: 96 professors.
Number of students: 9,586

DEANS:

Faculty of Jurisprudence: Prof. PAOLO FREZZA.
Faculty of Economics and Commerce: Prof. GUIDO MANCINI.
Faculty of Letters and Philosophy: Prof. GIOVANNI AMORETTI.
Faculty of Medicine and Surgery: Prof. ENRICO PUCCINELLI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. MARIO BENAZZI.
Faculty of Pharmacy: Prof. REMO DE FAZI.
Faculty of Engineering: Prof. ENRICO PISTOLESI.
Faculty of Agrarian Science: Prof. DARIO PERINI.
Faculty of Veterinary Medicine: Prof. BRUNO ROMBOLI.

PROFESSORS:

Faculty of Jurisprudence:
DE LOGU, TANCRED TULLIO (Penal Law).
DE LUCA, LUIGI (Ecclesiastical Law).
DE MARTINI, ANGELO (Commercial Law).
FRANCHINI, FLAMINIO (Administrative Law).
FREZZA, PAOLO (Roman Law).
FURNO, CARLO (Civil Procedure).
GIAMPICCOLO, GIORGIO (Private Law Institutions).
LAVAGNA, CARLO (Constitutional Law).
MARONGIU, ANTONIO (History of Italian Law).
NATOLI, UGO (Civil Law).
PALAZZOLO, VINCENZO (Philosophy of Law).
PESENTI, ANTONIO (Financial Science and Fiscal Law).
RIVA SANSEVERINO, LUISA (Industrial Economics).
SPERDUTI, GIUSEPPE (International Law).
VERRUCOLI, PIERO (Comparative Private Law).

Faculty of Letters and Philosophy:
ARIAS, PAOLO ENRICO (Archæology and History of Greco-Roman Art).
AMORETTI, GIOVANNI (German Language and Literature).
BARONE, FRANCESCO (Theoretical Philosophy).
BERTOLINI, OTTORINO (Medieval History).
BOLELLI, TRISTANO (Glottology).
GABBA, EMILIO (Greek and Roman History).
MASSOLO, ARTURO (History of Philosophy).
MORI, ALBERTO (General Geography).
PELLEGRINI, GIULIANO (English Language and Literature).
PELLEGRINI, SILVIO (Romance Philology).
PERETTI, AURELIO (Greek Literature).
PIZZORUSSO, ARNALDO (French Language and Literature).
RAGGHIANTI, LODOVICO (History of Art).
SAITTA, ARMANDO (Modern History).
TRAGLIA, ANTONIO (Latin Literature).

Faculty of Medicine and Surgery:
BANDETTINI, RENATO (Odontology).
CAVALLO, GIORGIO (Microbiology).
COMEL, MARCELLO (Dermatology and Syphilology).
DOMENICI, FOLCO (Legal Medicine).
DORDONI, FRANCO (Pharmacology).
FOCOSI, MARCELLO (Ophthalmology).
GENTILI, AUGUSTO (Pediatrics).
MASSART, CURZIO (Human Anatomy).
MONASTERIO, GABRIELE (Medicine).
MORUZZI, GIUSEPPE (Physiology).
PALTRINIERI, MARIO (Orthopædics).
PAROLI, GIOVANNI (Obstetrics and Gynæcology).
PUCCINELLI, ENRICO (General Pathology).
ROSSI, C. ALFONSO (Biochemistry).
SCALORI, GIUSEPPE (Oto-Rhino-Laryngology).
TONELLI, LUIGI (Special Pathology, Surgical Clinical Propædeutics).
TONIOLO, GIUSEPPE (Radiology).
TRONCHETTI, FABIO (Medical Pathology).

Faculty of Mathematical, Physical and Natural Sciences:
ANDREOTTI, ALDO (Superior Geometry).
BARSOTTI, JACOPO (Analytical and Descriptive Geometry).
BENAZZI, MARIO (Zoology).
BONATTI, STEFANO (Mineralogy).
COZZI, DANILO (Analytical Chemistry).
FRANZINETTI, CARLO (Experimental Physics).
FAEDO, ALESSANDRO (Algebraic and Infinitesimal Analysis).
GOZZINI, ADRIANO (Spectroscopy).
MARINELLI, GIORGIO (Petrography).
MARTINOLI, GIUSEPPE (Botany).
PAPI, FLORIANO (Zoology).
PINO, PIERO (Industrial Organic Chemistry).
SCROCCO, EOLO (Physical Chemistry).
STAMPACCHIA, GUIDO.
TAVANI, GUIDO (Palæontology).
TREVISAN, LIVIO (Geology).
VESENTINI, EDOARDO (Analytical Geometry).

Faculty of Pharmacy:
DE FAZI, REMO (Pharmaceutical Chemistry, Clinical Chemistry).

Faculty of Engineering:
BACCAREDDA BOY, MARIO (Industrial Chemistry).
BALLARIN, SILVIO (Topography, Land Surveying).
BASCHIERI, LUIGI (Road and Rail Construction).
BATTISTINI, GIULIO (Electrotechnics).
DINI, DINI (Aeroplane Engines).
DONATO, LETTERIO (Science of Construction).
GUZZANTI, CORRADO (Transport Technics and Economy).
LAZZARINO, LUCIO (Aeronautical Construction).
MANOCORDA TRISTANO (Rational Mechanics).
NERLI, NERLO (Machinery).
PERA, LUIGI (Technical Architecture).
POGGI, LORENZO (Technical Physics).
RUGGIERO, CORRADO (Hydraulics).
TIBERIO, UGO (Radiotechnics).
VALLINI, ALFREDO (Construction of Electric Machinery).

Faculty of Agrarian Science:
D'AMATO, FRANCESCO (Genetics).
FAVILLI, RANIERI (General Agronomy and Grass Crops).
GIANNOTTI, DAVID E. (Special Zootechnics).
MOSCHINI, ENRICO (Horticulture and Floriculture).
PERINI, DARIO (Agrarian Economy and Politics).
ROTINI, ORFEO TURNO (Agrarian Chemistry).
SCARAMUZZI, FRANCO (Tree Culture).
VENTURI, FILIPPO (Agrarian Entomology).
VERONA, ONORATO (Agrarian and Technical Microbiology).

Faculty of Veterinary Medicine:
CASAROSA, LISIMACO (Parasitology).
GOBETTO, ARMANDO (Anatomy and Histology of Animals).
PALTRINIERI, SEBASTIANO (Special Pathology and Medicine).
ROMBOLI, BRUNO (General Pathology, Pathological Anatomy).
SALERNO, GIUSEPPE (Special Pathology and Surgery).
SPISNI, DINO (Physiology of Animals and Biochemistry).

Faculty of Economics and Commerce:
DE VERGOTTINI, MARIO (Statistics).
GANCIKOFF, LEONIDA (Russian Language and Literature).
GIANESSI, EGIDIO (General and Applied Accountancy).
MANCINI, GUIDO (Spanish Language and Literature).
MASTRELLI, CARLO ALBERTO (Germanic Philology).
MELIS, FEDERIGO (Economic History).
MENEGAZZI, GUIDO (Political Economy).

UNIVERSITÀ DEGLI STUDI

CITTÀ UNIVERSITARIA, ROME

Telephone: 48.91.91

Founded 1303 by Pope Boniface VIII, with the Papal Bull "In Supremae praeminentia dignitatis".

Rector: Prof. GIUSEPPE UGO PAPI.
Director: FRANCESCO RUGGERI.
Librarian: FERNANDA ASCARELLI.

Number of teachers: 187 professors.
Number of students: 34,645.

DEANS:

Faculty of Jurisprudence: Prof. FRANCESCO CALASSO.
Faculty of Political Science: Prof. LUIGI AMOROSO.

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Faculty of Economics and Commerce: Prof. GIUSEPPE CHIARELLI.

Faculty of Statistics, Demography and Actuarial Science: Prof. ANTIGONO DONATI.

Faculty of Letters and Philosophy: Prof. ANGELO MONTEVERDI.

Faculty of Education: Prof. FRANCESCO PICCOLO.

Faculty of Medicine and Surgery: Prof. VITTORIO PUNTONI.

Faculty of Mathematics, Physics and Natural Science: Prof. SABATO VISCO.

Faculty of Pharmacy: Prof. ETTORE INORATO.

Faculty of Civil, Industrial and Mining Engineering: Prof. FILIPPO NERI.

Faculty of Aeronautical Engineering: Prof. LUIGI BROGLIO.

Faculty of Architecture: Prof. VITTORIO BALLIO MORPURGO.

School of Library and Paleograph Archivists: Prof. RAFFAELLO MORGHEN.

PROFESSORS:

Faculty of Jurisprudence:

CALASSO, FRANCESCO (History of Italian Law).
COSCIANI, CESARE (Financial Law).
D'AVACK, PIETRO AGOSTINO (Canon Law).
DOMINEDÒ, FRANCESCO (Law of Navigation).
ESPOSITO, CARLO (Constitutional Law).
FERRO, GIUSEPPE (Commercial Law).
GIANNINI, MASSIMO SEVERO (Administrative Law).
GORLA, LUIGI (Comparative Private Law).
JEMOLO, ARTURO CARLO (Ecclesiastical Law).
LEONE, GIOVANNI (Penal Procedure).
MORELLI, GAETANO (International Law).
NICOLÒ, ROSARIO (Institutions of Private Law).
ORESTANO, RICCARDO (History of Roman Law).
PAPI, GIUSEPPE UGO (Political Economy).
PUGLIESE, GIOVANNI (Origins of Roman Law).
SANTORO PASSARELLI, FRANCESCO (Civil Law).
SATTA, SALVATORE (Law of Bankruptcy).
SEGNI, ANTONIO (Civil Procedural Law).
VARSALLI, GIULIANO (Penal Law).
VOLTERRA, EDUARDO (Institutions of Roman Law).

Faculty of Political Science:

AGO, ROBERTO (International Law).
D'ADDARIO, RAFFAELE (Statistics).
D'ALBERGO, ERNESTO (Science of Finance).
DI MATTEI, RODOLFO (History of Political Doctrine).
DI NARDI, GIUSEPPE (Political Economics).
MEDICI, GIUSEPPE (Political Economy and Finance).
MONACO, RICCARDO (Administrative Law).
PERTICONE, GIACOMO (History of Political Parties).
TOSCANO, MARIO (Treaties and International Politics).
VALSECCHI, FRANCO (Modern History).
VOLPICELLI, ARNALDO (Doctrine of the State).

Faculty of Economics and Commerce:

ARENA, CELESTINO (Financial Science and Law).
BOSCO, GIACINTO (International Law).
CAFFÉ, FEDERICO (Political Economy and Finance).
D'ALESSANDRO, LUIGI (Public Service Administration).
DE FINETTI, BRUNO (Actuarial Mathematics).
FANFANI, AMINTORE (History of Economics).
FERRI, GIUSEPPE (Commercial Law).
FOSCHINI, ARNALDO (Study of Commodities).
LIVI, LIVIO (Statistics).
MAZZANTINI, MARIO (Banking and Professional Technics).
MILONE FERDINANDO (Economic Geography).
ONIDA, PIETRO (General and Applied Accountancy).
RENZI, ANTONIO (Commercial and Industrial Technics).
RESTA, RAFFAELE (Administrative Law).
RUBINO, DOMENICO (Institutions of Private Law).
TRAVAGLINI, VOLRICO (Political Economy).

Faculty of Statistics, Demography, and Actuarial Science:

CASTELLANO, VITTORIO (Methodological Statistics).
COPPINI, MARIO ALBERTO (Social Insurance).
DE MEO, GIUSEPPE (Economic Statistics).
DONATI, ANTIGONO (Insurance Law).
OTTAVIANI, GIUSEPPE (Financial and Actuarial Mathematics).
POMPILJ, GIUSEPPE (Analytical Geometry).

Faculty of Letters and Philosophy:

ARGAN, GIULIO CARLO (History of Modern Art).
BIANCHI BANDINELLI, RANUCCIO (Archæology and History of Greco-Roman Art).
BRELICH, ANGELO (Religious History).
BUSSAGLI, MARIO (History of Indian Religions).
CALOGERO, GUIDO (History of Ancient Philosophy).
CECCHELLI, CARLO (Christian Archæology).
CENCETTI, GIORGIO (Palæography).
DE FRANCOVICH, GEZA (History of Medieval Art).
DOUADOUI, FABRIZIO, (Egyptology).
FERRABINO, ALDO (Roman History and Latin Epigraphy).
GABRIELI, FRANCESCO (Arabic Language and Literature).
GALLAVOTTI, CARLO (Greek and Latin Grammar).
GHISALBERTI, ALBERTO M. (History of the Risorgimento).
GUARDUCCI, MARGHERITA (Greek Epigraphy).
KOLIQI, ERNESTO (Albanian Language and Literature).
LO GATTO, ETTORE (Russian Language and Literature).
LOMBARDI, FRANCO (Moral Philosophy).
LUGLI, GIUSEPPE (Roman Topography).
MACCHIA, GIOVANNI (French Language and Literature).
MAVER, GIOVANNI (Polish Language and Literature).
MORGHEN, RAFFAELLO (Medieval History).
MOSCATI, SABATINO (Semitic Philology).
PAGLIARO, ANTONIO (Glottology).
PALLOTTINO, MASSIMO (Archæology and Etruscology).
PARATORE, ETTORE (Latin Literature).
PERROTTA, GENNARO (Greek Literature).
PETECH, LUCIANO (History and Geography of Asia).
PINCHERLE, ALBERTO (History of Christianity).
PRAZ, MARIO (English Language and Literature).
RICCARDI, RICCARDO (Geography).
RONCAGLIA, AURELIO (Romance Philology).
RONGA, LUIGI (History of Music).
SAPEGNO, NATALINO (Italian Literature).
SCHIAFFINI, ALFREDO (History of the Italian Language).
SCHIRO, GIUSEPPE (Byzantine Philology and History).
SPIRITO, UGO (Theoretical Philosophy).
TECCHI, BONAVENTURA (German Language and Literature).
TOSCHI, PAOLO (Folk Literature).
TUCCI, GIUSEPPE (Religion and Philosophy of India and the Far East).
VALERI, NINO (Modern History).
VINAY, GUSTAVO (Medieval Latin Literature).

Faculty of Education:

BALDINI, GABRIELE (English Language and Literature).
BARIDON, SILVIO (French Language and Literature).
BOSCO, UMBERTO (Italian Language and Literature).
CARACI, GIUSEPPE (Geography).
FILIASI CARCANO, PAOLO (Philosophy).
GRASSI, LUIGI (History of Art).
MARMORALE, VINCENZO (Latin Language and Literature).
PICCOLO, FRANCESCO (Romance Philology).
SAMONA, CARMELO (Spanish Language and Literature).
VOLPICELLI, LUIGI (Education).

Faculty of Medicine and Surgery:

AJELLO, LUIGI (Anatomy and Pathological Histology).
BENAGIANO, ANDREA (Clinical Dentistry).
BIETTI, G. BATTISTA (Clinical Optics).
BIOCCA, ETTORE (Parasitology).
BUFANO, MICHELE (Medical Semeiology).
CANESTRELLI, LEANDRO (Psychology).
CASSANO, CATALDO (Medical Pathology).
CIMMINO, ALDO (Microbiology).
COLORIZI, ARRIGO (Pædiatrics).
CONDORELLI, LUIGI (Clinical Medicine).
DEL VECCHIO, VITTORIO (Hygiene).
DI MACCO, GENNARO (General Pathology).
DI MATTEI, PIETRO (Pharmacology).
GEDDA, LUIGI (Medical Genetics).
GERIN, CESARE (Forensic Medicine).
GIROLAMI, MARIO (Clinical Tropical and Sub-tropical Diseases).
GOZZANO, MARIO (Clinic of Nervous and Mental Diseases).
MALAGUZZI, VALERI ORAZIO (Child Welfare).
MARINO ZUCO, CARLO (Clinical Orthopædics).
MARTINO, GAETANO (Human Physiology).
MAURIZIO, EUGENIO (Clinical Obstetrics and Gynæcology).
MESSINI, MARIANO (Medical Hydrology).
MONACELLI, MARIO (Clinical Syphilology).
OMODEI ZORINI, ATTILIO (Physiology).
PAZZINI, ADALBERTO (History of Medicine).

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ROSSI FANELLI, ALESSANDRO (Biological Chemistry).
STEFANINI, PARIDE (Special Clinical Surgery and Clinical Propedeutics).
TURANO, LUIGI (Radiology).
VALDONI, PIETRO (Surgery).
VIRNO, VINCENZO (Normal Human Anatomy).

Faculty of Mathematics, Physics and Natural Science:
ACCORDI, BRUNO (Geology).
AMALDI, EDOARDO (Experimental Physics).
BERNARDINI, GILBERTO (Spectroscopy).
CAGLIOTI, VINCENZO (General and Inorganic Chemistry).
CARERI, GIORGIO (Experimental Physics).
CATTANEO, CARLO (Rational Mechanics).
CIMINO, MASSIMO (Astronomy).
CINI, MARCELLO (Quantum Theory).
CONVERSI, MARCELLO (Higher Physics).
FICHERA, GAETANO (Mathematical Analysis).
FORNASERI, MARIO (Geochemistry).
GENNA, GIUSEPPE (Anthropology).
GHIZZETTI, ALDO (Analytical Mathematics).
GIORDANI, MARIO (Analytical Chemistry).
LAURO, CARLO (Petrology).
LOMBARDO, LUCIO (Analytical Geometry).
MARTINELLI, ENZO (Analytical Geometry).
MEDI, ENRICO (Terrestrial Physics).
MONTALENTI, GIUSEPPE (Genetics).
ONORATO, ETTORE (Mineralogy).
PANIZZI, LUIGI (Organic Chemistry).
PASQUINI, PASQUALE (Zoology).
PERSICO, ENRICO (Higher Physics).
PESCE, BIAGIO (Physical Chemistry).
SALVINI, GIORGIO (Experimental Physics).
SARTORI, GUIDO (Inorganic and General Chemistry).
SEGRE, BENIAMINO (Algebraic Geometry).
STEFANELLI, ALBERTO (Comparative Anatomy).

Faculty of Pharmacy:
GIACOMELLO, GIORDANO (Pharmaceutics and Toxicology).

Faculty of Engineering:
ANGELINI, ARNALDO MARIA (Construction of Electrical Machinery).
AQUILINA, CARMELO (Geophysics).
ARREDI, FILIPPO (Hydraulic Construction).
BARZILAI, GIORGIO (Electronics).
BOAGA, GIOVANNI (Topography).
CASTAGNA, ARNALDO (Mechanics applied to Machinery).
DE CARLI, FELICE (Metallurgy and Metallography).
DI RICCO, GUIDO (Hydraulics).
FALINI, FILIPPO (Mineral Deposits).
LEUZZI, VINCENZO (Technique and Economics of Transport).
MARIANI, EUGENIO (Industrial Chemistry).
MARINO ALGERI (Electrical Communications).
NERI, FILIPPO (Industrial Electricity).
NICOLOSI, GIUSEPPE (Architectural Composition).
OBERZINER, MANLIO (Specialised Technology).
PAROLINI, GINO (Technical Physics).
PARRINO, MICHELE (Surveying).
PENTA, FRANCESCO (Applied Geology).

School of Aeronautical Engineering:
BROGLIO, LUIGI (Aeronautical Construction).
EULA, ANTONIO (Aerodynamics).

Faculty of Architecture:
CARBONARA, PASQUALE (Architectural Planning).
DE ANGELIS D'ORSAT GUGLIEMO (Restoration of Monuments).
DEL DEBBIO, ENRICO (Elements of Monumental Architecture).
DE RENZI, MARIO (Decoration).
MARCONI, PLINIO (Town Planning).
MARINO, ROBERTO (Materials and Construction).
MINNUCCI, GAETANO (Elements of Construction).
MURATORI, SAVERIO (Architectural Composition).

UNIVERSITÀ DEGLI STUDI

SASSARI, SARDINIA

Telephone: 23401

Founded 1562.

Rector: Prof. PASQUALE MARGINESU.
Administrative Director and Secretary: Dr. GIUSEPPE PITZORNO.

Number of teachers: 112, including 37 professors.
Number of students: 807 men, 159 women, total 966.
Publications: *Annuario, Studi.*

DEANS:

Faculty of Jurisprudence: Prof. SERGIO COSTA.
Faculty of Medicine and Surgery: Prof. GIUSEPPE MEZZANDRA.
Faculty of Pharmacy: SALVATORE CARBONI.
Faculty of Veterinary Medicine: Prof. ARTURO CARTA.
Faculty of Agriculture: Prof. OTTONE SERVAZZI.
Faculty of Mathematical, Physical and Natural Science: Prof. VICENZO LEONE.

PROFESSORS:

Faculty of Jurisprudence:
AMELOTTI, MARIO (Roman Law).
BUTTARO, LUCA (Commercial Law).
CASTIGLIA, TOMMASO ANTONIO (Philosophy of Law).
COSSIGA, FRANCESCO (Constitutional Law).
COSTO, SERGIO (Procedural and Labour Law).
DE STEFANO (Ecclesiastical Law).
FORTELEONI, LORENZO (Political Economy).
PAU, GIOVANNI (Internationla Law).
PIGLIARU, ANTONIO (Agrarian Law).
PIRAS, SALVATORE (Institutions of Private Law).
PROTO, EMANUELE (Penal Law).
ROTA, ANTONIO (Foundations of Italian Law).
SUPPIEJ, GIUSEPPE (Labour Law).
ZANETTI, GINEVRA (Ecclesiastical Law).

Faculty of Medicine and Surgery:
ALAMANNI, UMBERTO (Chemistry).
ANGELILLO, BRUNO (Hygiene).
BARGONI, ELEONORA (Biological Chemistry).
BOCCA, ETTORE (Oto-rhino-laryngology).
BREDA, RAFFAELLO (General Medicine and Medical Therapy).
CASTIGLIONI, GIAN CARLO (General Surgery and Surgical Therapy).
DE VINCENTIIS, GIOVANNI (Legal and Assurance Medicine).
DELITALA, PALMERIO (Special Pathological Surgery and Clinical Propadeutics).
GIOTTI, ALBERTO (Pharmacology).
GIUNCHI, GIUSEPPE (Infectious Medicine).
GRAZIANI, GIUSEPPE (Industrial Medicine).
GRAZIOSI, FRANCO (Microbiology).
GUALTIEROTTI, TORQUATO (Human Physiology).
IMPERATI, LUIGI (Surgical Semeiology).
LUZZATTO, ALBERTO (Nervous and Mental Disorders).
MAGLIOCCA RAFFAELE (Parasitology).
MAIONE, MARIO (Clinical Opthalmology).
MANUNTA, CARMINA (General and Biological Zoology).
MEZZADRA, GIUSEPPE (Clinical Dermato-Syphilopathy).
MILIA, GIROLAMO (Clinical Odontology).
OTTONELLO, PIETRO (Radiology).
PARODO, ANGELO (Physics).
PAZARDJIKLIAN, ENZO (Constitutional Medicine and Endocrinology).
PAZARDJIKLIAN, MIRTHAD (Phthysiology).
PIETROGRANDE, VINCENZO (Clinical Orthopædics).
SERAFINI, UMBERTO (Medical Semiology).
TARDINI, ARMANDO (Pathological Anatomy and Histology).
VACIRCA, FRANCESCO (General Pathology).
VECCHIETTI, GIUSEPPE (Obstetrics and Gynæcology).
VECCHIO, FEDERICO (Pædiatrics and Children's Medicine).

Faculty of Pharmacy:
ANGELILLO, BRUNO (Bromatological Chemistry).
CARBONI, SALVATORE (Technical and Legislative Pharmacy).
CORDELLA, GIOVANNI (Chemical Pharmaceutics and Toxicology).
DESOLE, LUIGI (Pharmaceutical Botany).
FANELLI, FABIO (Pharmaceutics and Toxicology).
GIOTTI, ALBERTO (Pharmacology and Pharmacognosy).
LEONE, VINCENZO (Applied Biochemistry).
LIBONATI, MASSIMO (Physical Chemistry).
MANCA, PEPPINA (Vegetable Physiology).
PIRISINO, GEROLAMO (Pharmaceutics and Toxicology).
PRINCIVALLE, EMILIA (General Chemistry).
SASSU, GRAZIA (Human Anatomy).
VACIRCA, FRANCESCO (Chemistry on Bromides).

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Faculty of Veterinary Medicine:
ARRU, EFISIO (Zoology).
BAGEDDA, GIULIO (Surgery, Obstetrics and Pedology).
BORTOLAMI, RUGGERO (Anatomy of Domestic Animals).
CARTA, ARTURO (General Pathology and Anatomy).
CORTICELLI, BRUNO (Legal Veterinary Medicine).
CHIAPPINI, MANLIO (Botany).
DEIANA, SALVATORE (Parasitology).
FLUMENE, ANTONIO (Food Industry of Animal Origin).
LAI, MARIO (Pedology).
LAI, PAOLINO (Zooculture).
LEPORI, NULLO GLAUCO (General Zoology).
MAGULEDDA, ANTONIO (Animal Topography and Operative Surgery).
MANUNTA, GIOVANNI (General Physiology).
MARONGIU, ANTONIO (Chemistry).
MARRAS, GIUSEPPE (Pharmacy).
MURA, DIONIGI (Microbiology and Immunisation).
NUVOLE, PAOLO (Animal Breeding).
PALMIERI, GIOVANNI (Topographic Anatomy and Operative Surgery).
PEGREFFI, GIUSEPPE (Infectious Diseases).
TANDA, SALVATORE (Inspection of Animal Foodstuffs).
UBERTALLE, ANTONIO (General and Special Zootechnics).
ZEDDA, ANTONIO (Physics).

Faculty of Agriculture:
BARBIERI, RAFFAELE (General Agronomy and Grass Crops).
BORTOLAMI, RUGGERO (Anatomy and Physiology of Domestic Animals).
BULLITTA, PIETRO (Horticulture and Flower Growing).
CANCELLARA, EDUARDO (Agrarian Hydraulics and Mathematics).
CARRERAS, UGO (Statistics).
DATTILO, MICHELE (Animal Breeding).
FILIGHEDDU, PASQUALE (Alpine and Plain Cultivation).
FIORI, GIORGIO (Zooculture).
GIRETTI, ALDO (Farm Accounting).
LEONE, ANGELO MARIO (General and Inorganic Chemistry).
LUCIFERO, MARIO (Zootechnics).
MILELLA, ANTONIO (Vine and Olive Cultivation).
MONTALDO, PAOLO (Mineralogy and Geology).
PAMPALONI, ENZO (Economics and Political Agronomy).
PINNA, LUCIANO (Topography).
ROSA, GIOVANNI (Technics of Land Cultivation).
SERVAZZI, OTTONE (Vegetable Pathology and Agrarian Microbiology).
TASSI, FERNANDO (Mechanics of Agriculture).
VALSECCHI, FRANCESCA (Systematical Botany).
VITAGLIANO, MICHELE (Agricultural Industry).
VODRET, ANTONIO (Organic Chemistry).

Faculty of Mathematical, Physical and Natural Sciences:
ALBERGONI, VINCENZO (Chemistry of Fermentation).
ALIA, EMANUELE (Human Anatomy).
BARBONI, ELEONARA (Biological Chemistry).
DESOLE, LUIGI (Botany).
FARINA ELIO (General and Inorganic Chemistry).
FRAU, ANNA MARIA (Comparative Anatomy).
LEONE, VINCENZO (Biological Chemistry).
LEPORI, NULLO GLAUCO (Zoology).
LIGUORI, ELVIRA (Vegetable Physiology).
MAGLIOCCA, RAFFAELE (Parasitology).
PALA, MARIA (Experimental Embryology).
PRANZETTI, PAOLA (Food Science).
ZEDDA, ANTONIO (Physics).

UNIVERSITÀ DEGLI STUDI

BANCHI DI SOTTO 55, SIENA

Telephone: 20,939

Founded 1242.

Rector: Prof. GIUSEPPE BIANCHINI.
Director: Dr. CAMILLO AMIC.

Number of professors: 90.
Number of students: 1,600.
Publications: *Studi Senesi* (Law, Political and Social Science), *Atti della Facoltà Medica Senese* (Medical School), *Annuario Accademico.*

DEANS:

Faculty of Jurisprudence: ALESSANDRO RASELLI.
Advanced Banking School: GIUSEPPE FANELLI.
School for Social Assistance: ALESSANDRO RASELLI.
M. Braci College: GIOVANNI GROTTANELLI DE SANTI.
Faculty of Medicine and Surgery: ALBERTO BENCINI.
Advanced School of Clinical Obstetrics and Gynaecology: POMPEO SPOTO.
Advanced School of Clinical Ophthalmology: ALBERTO BENCINI.
Advanced School of Clinical Pediatrics: ANGELO CHIEFFI.
Advanced School of Urology: EGIDIO TOSATTI.
Advanced School of Cardiovascular Diseases: FERDINANDO MARCOLONGO.
Advanced School of Obstetrics for Midwives: POMPEO SPOTO.
School of Anaesthesiology: EGIDIO TOSATTI.
Faculty of Pharmacy: RUGGERO BERTELLI.

PROFESSORS:

Faculty of Jurisprudence:
ANDREOLI, MARCELLO (Civil Law, Comparative Private Law).
BARILE, PAOLO (Institutions of Public Law; Constitutional Law).
BOZZA, FRANCESCA (History of Roman Law, Institutions of Roman Law).
BUTTARO, L. (Commercial Law, Labour Legislation).
CANTUCCI, MICHELE (Administrative Law, Financial Science and Law).
CONFORTI, B. (International Law).
DELLE PIANE, MARIO (History of Political Theory, Modern History).
MARCHELLO, G. (Philosophy of Law).
NAVA, SANTI (History of Treaties and International Politics).
RASELLI, ALESSANDRO (Civil Procedural Law, Doctrine of the State).
SANTAMARIA, D. (Penal Law).

Faculty of Medicine and Surgery:
BARNI, M. (Forensic Medicine).
BARTORELLI, CESARE (Special Medical Pathology).
BENCINI, ALBERTO (Clinical Ophthalmology).
BERTELLI, RUGGERO (Normal Anatomy, General Histology and Embryology).
BONETTI, EUGENIO (General Pathology).
CESARIS, DEMEL VENCESLAO (Pathological Anatomy and Histology).
CHIEFFI, ANGELO (Clinical Pediatrics).
FLORIS, V. (Nervous and Mental Diseases Clinic).
GALLONE, LUIGI (Special Surgical Pathology).
LENZI, FRANCO (Medical Semiology).
MARCOLONGO, FERDINANDO (Clinical Medicine).
OLIVA, L. (Medical Raeiology).
OMODEO, PIETRO (General Biology and Zoology).
OTTOLENGHI, FRANCO (Clinical Syphilology).
PANA, CARLO (Physiology).
PIERANGELI, C. (Clinical Otology).
RICCI, CARLO (Biological Chemistry).
RITA, GEO (Microbiology, Statistics, Hygiene).
SPOTO, POMPEO (Clinical Obstetrics and Gynæcology).
TOSATTI, EGIDIO (Clinical Surgery, Surgical Anatomy).

Faculty of Pharmacy:
DOMINI, GIOVANNI (General Physiology).
MONTI, LIDIA (Pharmaceutical and Toxicological Chemistry; Organic Chemistry).

UNIVERSITÀ DEGLI STUDI DI TORINO

VIA G. VERDI, 8-VIA PO 17, TURIN

Telephone: 60841

Founded 1405.

Rector. Prof. MARIO ALLARA.
Registrar: IVO MATTUCCI.

Number of teachers: 131 professors.
Number of students: 13,522.

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DEANS:

Faculty of Jurisprudence: Prof. G. GROSSO.
Faculty of Economics and Commerce: Prof. F. GRIBAUDI.
Faculty of Letters and Philosophy: Prof. G. GULLINI.
Faculty of Pedagogy: Prof. P. PIERI.
Faculty of Medicine and Surgery: Prof. D. BOLSI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. R. DEAGLIO.
Faculty of Pharmacy: Prof. G. TAPPI.
Faculty of Agriculture: Prof. A. GOIDANICH.
Faculty of Veterinary Medicine: Prof. P. SARTORIS.

PROFESSORS:

Faculty of Jurisprudence:
ALLARA, MARIO (Civil Law).
BOBBIO, N. (Philosophy of Law).
BODDA, P. (Administrative Law).
CANSACCHI, G. (International Law).
CASETTA, E. (Constitutional Law).
CONSO, G. (Penal Procedure).
CORRADO, RENATO (Labour Law).
DEIANA, GIOMMARIA (Agrarian Law).
FIRPO, L. (History of Political Law).
FORTE, F. (Finance).
GALLO, I. M. (Penal Law).
GILLI, R. (Legal Medicine and Insurance).
GOLZIO, S. (Statistics).
GRIBAUDI, F. (Political and Economic Geography).
GROSSO, G. (Roman Law).
LOMBARDINI, S. (Political Economy and Finance).
MAIORCA, C. (Comparative Private Law).
OLIVERO, G. (Ecclesiastical Law).
PASSERIN D'ENTREVES, A. (State Law).
PASTERIS, C. (Industrial Law).
QUAZZA, G. (Modern History).
ROMANO, S. (Institutions of Roman Law).
VIORA, M. (History of Italian Law).
ZACCAGNINI, E. (Political Economy).

Faculty of Economics and Commerce:
AIROLDI, R. (Marketing).
BARGONI, A. (Insurance).
CAPRARA, U. (Technical and Professional Banking).
CASTELLINO, G. (Technical and Professional Banking).
CERUTTI, A. (Commercial Science).
CHIANALE, A. (General Accounting).
CIPOLLA, C. (Economic History).
COMBA, M. (Labour Law).
DE CASTRO, D. (Statistics).
FACCA, U. (Agrarian Economy).
FERROGLIO, G.-TREVES, G. (Institutions of Public Law).
GIACCARDI, GIRAUD FERNANDO (Financial Mathematics).
GRIBAUDI, F. (Economic Geography).
JONA, L. (Professional Science).
MAIORCA, C. (Commercial Law).
MARAZZI, A. (International Law).
MONTEL, A. (Maritime Law).
PACCES, F. M. (Industrial and Commercial Methods).
PICCATTI, P. (Industrial Law).
RICOSSA, S. (Political Economy).
ROMANO, S. (Institutions of Private Law).

Faculty of Letters and Philosophy:
ABBAGNANO, N. (History of Philosophy).
ANDREOTTI, R. (Roman History).
AVALLE D'ARCO, S. (Romance Philology).
BERTINI, A. (History of Medieval and Modern Art).
BONFANTE, G. (Glottology).
BOTTO, O. (Indology).
CAPELLO, C. (Geography).
FERRIO, C. (Psychology).
GAROSCI, A. (History of the Risorgimento).
GETTO, G. (Italian Literature).
GULLINI, G. (Archæology).
GUZZO, A. (Theoretical Philosophy).
LANA, J. (Latin Literature).
LUPI, S. (German Language and Literature).
MADDALENA, A. (Greek Literature).
MANSELLI, R. (Mediaeval History).
MAZZANTINI, C. (History of Medieval Philosophy).
MELCHIORI, G. (English Language and Literature).
MOMIGLIANO, A. (Roman History).
PAREYSON, L. (Aesthetics).
PELLEGRINO, M. (Ancient Christian Literature).
SCAMUZZI, E. (Egyptology).
SIMONE, F. (French Language and Literature).
VENTURI, F. (Medieval and Modern History).

Faculty of Pedagogy:
BONFANTIMI, M. S. (French Language and Literature).
BERTINI, G. M. (Spanish Language and Literature).
BETTI, B. (Romance Philology).
BONORA, E. (Italian Language and Literature).
CAPELLO, C. F. (Geography).
DE BARTOLOMEIS, F. (Pedagogy).
DE REGIBUS, A. (Philosophy).
FERRERO, G. G. (Romance Philology).
FIORIO, G. (Hygiene).
FORNACA, R. (History of Teaching).
GABRIELI, V. (English Language and Literature).
GASCA, Q. G. (History of the Italian Language).
GIUFFRIDA, (Latin Language and Literature).
GRISERI, A. (History of Arts).
MAZZANTINI, C. (History of Philology).
OFFIDANI, A. (Institutions of Public Law and Scholastic Law).
PIERI, P. (History).
RONDELLI, U. (Physical Education).

Faculty of Medicine and Surgery:
AMBROSINO, C. (Chemistry).
BECCARI, EMILIO (Pharmacology).
BENASSI, E. (Radiology).
BERETTA, ANGUISSOLA A. (Special Medical Pathology).
BIANCALANA, L. (Specialised Surgery and Clinical Propædeutics).
BINOTTI, O. (Human Physiology).
BOLSI, D. (Clinic for Mental and Nervous Diseases).
BORGNO, M. (Urology).
BRUNETTI, F. (Clinical Oto-Rhino-Laryngology).
CAMBOSU, G. (Hygiene).
CASASSA, M. T. (Microbiology).
CEPPELLINI, R. (Genetics).
CIOCATTO, E. (Anæsthesiology).
DAGLIOTTI, A. M. (General Clinical Surgery).
DE GAETANI, G. F. (General Pathology).
DEI POLI, G. (Surgical Anatomy).
DELLEPIANE, G. (Clinical Obstetrics and Gynæcology).
DOGLIOTTI, G. C. (General Clinical Medicine).
FRANCESCHINI, M. (Embryology).
GALLENGA, RICCARDO (Clinical Ophthalmology).
GILLI, R. (Legal Insurance Medicine).
GOMIRATO, M. S. (Child Welfare).
GUASSARDO, G. (Clinical Pediatrics).
LENTI, C. (Biochemistry).
LORETI, FRANCESCO (Human Anatomy).
MAGRI, G. (Semeiology).
MIDANA, A. (Clinical Dermatosyphilopathy).
MONTALENTI, G. (Physiology).
MOTTURA, G. (Pathological Anatomy).
ROCCIA, B. (Clinical Odontology).
ROUSENDA, F. (Clinical Orthopædics).
RUBINO, G. (Labour Medicine).
SANVENERO, ROSSELLI G. (Plastic Surgery).

Faculty of Mathematical, Physical and Natural Science:
AGOSTINELLI, C. (Higher Mechanics).
AVOGADRO, C. L. (Organic Chemistry).
BACCI, G. (Zoology).
BARBERA, O. (Design and Architecture).
BELLION, B. (Biophysics).
BONAZZOLA, G. C. (Electronics).
BOSCO, B. (Theory of Fields).
BROVETTO, P. (Neutron Physics).
BUZANO, P. (Higher Geometry).
CAMPI, E. (Inorganic Chemistry).
CARRUCCIO, E. (History of Mathematics).
CASTAGNOLI, C. (Experimental Physics).
CASTELLANI, E. (Plant Pathology).
CATINO, A. (Industrial Chemistry).
CECCARILLI, G. (Mechanics).
CECCHINI, G. (Astronomy).
CERUTI, A. (Botany).
COLOMBINO, P. (Technical Physics).
COLOMBO, B. (Mathematics).
DEAGLIO, R. (Higher Physics and General Physics).

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De Alforo, V. (Radioactivity).
Demaria, D. C. (Geometry).
Di Modica, G. (Organic Chemistry).
Dupont, P. (Mathematics).
Favello, L. (Kibernetics).
Ferroni, S. (Physics).
Fubini, S. (Higher Physics).
Garelli, C. (Spectroscopy).
Gatteschi, L. (Higher Analysis and Calculus).
Giua, M. (Industrial Organic Chemistry).
Lenti, C. (Chemical Biology).
Lerda, G. (Theory of Calculating Machines).
Longo, C. (Differential Geometry).
Loreti, F. (Human Anatomy).
Malaroda, R. (Geology).
Marchionna, E. (Higher Geometry).
Margara, A. (Quantitative Analysis).
Masali, M. (Anthropology).
Massaglia, B. (Mathematics).
Mazzi, V. (Comparative Anatomy).
Milone, M. (Physical Chemistry).
Montel, A. (Law).
Ostacoli, G. (Electrochemistry).
Phiarelli, C. (Anthropology).
Regge, T. (Relativity).
Ricca, F. (Physical Chemistry).
Rigault, de la L. G. (Geochemistry).
Rossi, P. F. (War Chemistry).
Saini, G. (Analytical Chemistry).
Salvestrini, G. (Architecture).
Stratta, R. (Industrial Chemistry).
Tanturri, G. (Mathematics).
Tira, B. (Mathematics).
Tira, S. (Qualitative Analysis).
Tricomi, F. (Mathematical Analysis).
Ventura, G. (Industrial Chemistry).
Venturello, G. (Science of Metals).
Verde, Mario (Theoretical Physics and Nuclear Physics).
Viola, T. (Complementary Mathematics).
Wataghin, G. (Experimental Physics).
Wataghin, V. (Spectroscopy).
Zeuli, M. (Rational Mechanics).
Zin, G. (Physical Mathematics).

Faculty of Pharmacy:
Alborghetti, A. (Applied Clinical Pharmaceutics).
Beccari, E. (Pharmacognosis).
Biglino, G. (Biological Chemistry).
Bussetti, G. (Physics).
Ferraris, G. (Mineralogy).
Gasco, M. R. (Pharmaceutics).
Longo, B. (Organic Chemistry).
Luppi, A. M., (Pharmaceutical Botany).
Ponte, B. (Pharmaceutical Legislation).
Reynaud, E. V. (Pharmaceutics).
Tappi, G. (Pharmaceutical and Toxicological Chemistry).
Vanini, G. C. (Hygiene).
Venturello, G. (General and Inorganic Chemistry).

Faculty of Agriculture:
Angela, M. (Mineralogy and Geology).
Borello, E. (General and Inorganic Chemistry).
Bosticco, A. (Zoology).
Bottini, E. (Agrarian Chemistry).
Carbone, E. (Zoognostics).
Carlone, R. (Arboriculture).
Castellani, E. (Plant Pathology).
Crocioni, A. (General Agronomy).
Ghilardi, G. (Forestry).
Ghisleni, P. L. (Horticulture).
Godina, G. (Animal Physiology).
Goidanich, A. (Agrarian Entomology).
Malan, C. E. (Microbiology).
Ollivero, L. (Agrarian Law).
Peyronal, B. (Systematic Botany).
Piacco, R. (Irrigation).
Priorelli, G. (Agricultural Mechanics).
Proni, G. (Agrarian Economics).
Raspino, G. (Topography).
Saia, F. (Agrarian Economics).
Sasso, G. (General Botany).
Tarantola C. (Rural Industries).
Tolu, A. (Organic Chemistry).

Faculty of Veterinary Medicine:
Ajemrito, G. (Pharmacology).
Barasa, A. (Zoognostics).
Bisbocci, G. (Pathology and Pathological Anatomy).
Calliera, G. (Technics of Autopsy).
Ceretto, F. (Pathology and Anatomy).
Dotta, U. (Zooculture).
Giulio, L. (Physiology).
Godina, A. (Anatomy of Domestic Animals).
Graziosi, D. (Zoological Hygiene).
Maglione, E. (Tropical Pathology).
Maletto, S. (Zootechnics).
Masoero, P. (General Zootechnics).
Micheletto, B. (Podology and Radiology).
Monti, F. (Pathology and Clinical Medicine).
Pacchioni, Giuseppe (Infectious Diseases).
Pauluccimm, T. (Zoology).
Pozzi, L. (Radiology).
Rota, E. (Surgery).
Sacco, T. (Botany).
Sartoris, P. (Pathology and Clinical Surgery).
Serra, A. (Parasitology).

UNIVERSITÀ DEGLI STUDI DI TRIESTE

PIAZZALE EUROPA 1, TRIESTE

Telephone: 94.6.71

Founded 1938.

Rector: Agostino Origone.
Administrative Director: Dr. Oberdan Marchetti.
Librarian: Carlo Battisti.

Number of students: 4,180.

Deans:

Faculty of Jurisprudence: Renato Balzarini.
Faculty of Commerce and Economics: Claudio Calzolari.
Faculty of Letters and Philosophy: Roberto Salvini.
Faculty of Education: Alfredo Orbertello.
Faculty of Mathematical, Physical, and Natural Sciences: Sergio Morgante.
Faculty of Pharmacy: Benedetto de Bernard.
Faculty of Engineering: Francesco Ramponi.

Professors:

Faculty of Jurisprudence:
Balzarini, Renato (Labour Law).
Cotta, Sergio (Philosophy of Law).
De Dominicis, Mario Filippo Antonio (History of Roman Law).
De Luca, Giuseppe, (Penal Procedure).
Fedele, Alfredo (Civil Law).
Fiorelli, Piero (History of Italian Law).
Gallo, Filippo Carlo (Institutions of Roman Law).
Origone, Agostino (Church Law).
Pavanini, Giovanni (Civil Procedural Law).
Pedrazzi, Cesare (Penal Law).
Udina, Manlio (International Law).

Faculty of Commerce and Economics:
Barbieri, Giuseppe (Economic Geography).
Calzolari, Claudio (Science of the Properties and Quality of Commercial Products).
Casetta, Elio (Administrative Law).
De Dominicis, Ubaldo (General and Applied Book-Keeping)
Di Cocco, Enzo (Agrarian Economy and Politics).
Longo, Antonio (Financial Mathematics).
Resta, Manlio (Political Economy).
Rondini, Ottavio (Marketing Research).

Faculty of Letters and Philosophy:
Braun, Alfonsina (Glottology).
Campo, Mariano (History of Philosophy).
D'Agostino, Nicola (English Language and Literature).
Ferrero, Leonardo (Latin Literature).
Gigante, Marcello (Byzantine Philology).
Giusti, Wolfango (Russian Language and Literature).
Kanisza, Gaetano (Psychology).
Mocchino, Alberto (Latin Literature).

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PELLEGRINI, GIOVANNI BATTISTA (History of Italian Language).
SALVINI, ROBERTO (History of Medieval and Modern Art).
STELLA, LUIGIA ACHILLEA (Greek Literature).
TABACCO, GIOVANNI (Mediaeval and Modern History).

Faculty of Education:
MATHIEU, VITTORIO (History of Philosophy).

Faculty of Mathematical, Physical, and Natural Sciences:
BUDINI, PAOLO (Theoretical Physics).
CACCIAPUOTI, NESTORE (Higher Physics).
COSTA, GIACOMO (Physical Chemistry).
FIDECARO, GIUSEPPE (Experimental Physics).
ILLUMINATI, GABRIELLO (General Chemistry).
MARTIN, ETTORE (Astronomy).
MARUSSI, ANTONIO (Geodesy).
MORGANTE, SERGIO (Mineralogy).
MUSANTE, CARLO (Pharmaceutical Chemistry).
PRODI, GIOVANNI (Mathematical, Algebraic and Infinitesimal Analysis).
SOBRERO, LUIGI (Rational Mechanics).

Faculty of Engineering:
BAROZZI, FRANCESCO (Electrotechnics).
FINZI CONTINI, BRUNO (Technical Physics).
MATERNINI, MATTEO (Technique and Economy of Transport).
MATILDI, PIETRO (Construction-wood, iron and armoured concrete).
MONTESI, PIO (Technical Architecture).
RAMPONI, FRANCESCO (Hydraulics).
SERVELLO, ANTONIO (Naval Architecture).
TAVASCI, BONAVENTURA (Applied Chemistry).
TESSARI, IGINO (Machinery).
TESSAROTTO, MARIO (Applied Mechanics to Machinery).

UNIVERSITÀ DEGLI STUDI DI URBINO

VIA SAFFI 2, URBINO

Telephone: 2715

Founded 1506.

Rector: Prof. Dr. CARLO BO.
Administrative Director: Dr. LEONARDO PALOSCIA.
Librarian: Dr. LUIGI MORANTI.
Number of teachers: 290, including 113 professors.
Number of students: 6,104.
Publication: *Studi Urbinati*.

DEANS:

Faculty of Jurisprudence: FRANCESCO PASTORI.
Faculty of Economics and Commerce: GIUSEPPE ORLANDO.
Faculty of Letters and Philosophy: SCEVOLA MARIOTTI.
Faculty of Education: LUIGI MESCHIERI.
Faculty of Pharmacy: PAOLO CREPAS.

PROFESSORS:

Faculty of Jurisprudence:
ANTONINI, EUCLIDE (Financial Science and Law, Statistics).
BENATTI, FRANCESCO (Institutions of Private Law and Commercial Law).
BOGNETTI, GIOVANNI (Philosophy of Law).
CONSOLI, ANTONINO (Ecclesiastical and Canon Law).
DE MARINI, FRANCE (Exegesis of the Sources of Roman Law).
GALEOTTI, SERIO (Constitutional and Colonial Law).
GUALANDI, GIOVANNI (History of Roman Law).
MANCINI, FEDERICO (Labour Law and Agrarian Law).
MANDRIOLI, CRISANTO (Civil Procedure).
MARAZZI, ALESSANDRO (History of International Political Treaties).
MIGLIAZZA, ALESSANDRO (International Law).
PALEARI, ENRICO (Comparative Private Law).
PASTORI, FRANCO (Roman Law and its Institutions).
PISANI, MARIO (Penal Procedure).
RIBOLI, BRUNO (Forensic Medicine).
ROSSI, GUIDO (History of Italian Law and Exegesis of the Sources of Italian Law).
SCIOLLI, GABRIELE (Political Economy).
SINISCALCO, MARCO (Penal Law).
TENTOLINI, OTTORINO (Administrative Law).
TRIMARCHI, PIERO (Civil Law).

Faculty of Letters and Philosophy:
ASSUNTO, ROSARIO (Aesthetics).
BENFENATI, ARMANDO (Psychology).
BO, CARLO (French and Spanish).
BORGOGELLI, ERCOLE (Physics).
CAMPANA, AUGUSTO (Palcography).
CIARLETTA, NICOLA (Moral Philosophy).
FORNI, GIOVANNI (Greek and Roman History and Classical Antiquities).
GENTILI, BRUNO (Greek Literature and Greco-Latin Philology).
HEMMELER, ANTONIO (Chemistry).
MANCINI, ITALO (Christian History).
MARINI, LINO (Medieval and Modern History).
MARIOTTI, SCEVOLA (Latin Literature, Latin and Greek Grammar).
NEGRI, ANTIMO (Philosophy of Law).
PAIONI, GIUSEPPE (Romance Philology, History of Italian Language).
PARRONCHI, ALESSANDRO (History of Art).
PERUZZI, EMILIO (Glottology, Slav Philology).
PETRUCCIANI, MARIO (History of Modern Italian Literature).
RIZZARDI, ALFREDO (English Language and Literature).
ROSSI, GUIDO (History of Italian Law).
SALVUCCI, PASQUALE (History of Philosophy).
SAMMARTANO, ANTONINO (Pedagogy).
SASSO, GENNARO (History of Political Theory).
SCIOLLI, GABRIELE (Political Economy).
SICHIROLLO, LIVIO (History of Ancient Philosophy).
STUCCHI, SANDRO (Greco-Roman History and Archæology).
TESTA, ALDO (Theoretical Philosophy).
TRAVERSO, LEONE (German).
VARESE, CLAUDIO (Italian Literature).
VILLA, GIOVANNI MARIA (Geography).

Faculty of Education:
BAJARDI CERBONI, G. (Italian Language).
BO, CARLO (French and Spanish Language and Literature).
CURRI, ANTONINO (Institutions of Public Law—Course "A").
FORNI, GIOVANNI (Medieval and Modern History).
FRANCESCHINI, GINO (History).
LEO, ALBERTO (Institutions of Public Law—Course "B").
MARIOTTI, ITALO (Latin Grammar).
MARIOTTI, SCEVOLA (Latin Language and Literature).
MESCHIERI, LUIGI (Psychology).
PAIONI, GIUSEPPE (Romance Philology, History of the Italian Language).
PARRONCHI, ALESSANDRO (History of Art).
RIZZARDI, ALFREDO (English Language and Literature).
SALVUCCI, PASQUALE (History of Philosophy).
SAMMARTANO, ANTONINO (Pedagogy).
SETTE, NICOLA (Hygiene).
TESTA, ALDO (Theoretical Philosophy).
TRAVERSO, LEONE (German Language and Literature and Philology).
VALLI, FRANCESCO (Italian Language and Literature).
VARESE, CLAUDIO (Italian Language and Literature).
VILLA, GIOVANNI (Geography).

Faculty of Pharmacy:
BONI, ELIO (Experimental Chemistry).
BORGOGELLI, ERCOLE (Physics).
CAPPELLINI, OSVALDO (Human Anatomy).
CREPAS, PAOLO (General Physiology and Zoology).
CUPPINI, RENATO (Hydrology).
HEMMELER, ANTONIO (General and Inorganic Chemistry, Bromatological and Analytical Chemistry).
MARCHETTI, MARIO (Applied Biochemistry).
MAZZOLI, GASTONE (Experimental Chemistry).
RABBI, ALFREDO (Biological Chemistry).
RAULLI SCOCCIANTI, MARIA (Mineralogy and Natural Physiology).
RODIGHIERO, GIOVANNI (Pharmaceutical Chemistry).
SCARINCI, VINCENZO (Pharmacology and Pharmacognosy).
SETTE, NICOLA (Hygiene).
TESTA, CORRADO (Physical Chemistry).
TORTORELLA, VINCENZO (Experimental Pharmaceutics and Toxicology).
TRAVAGLI, GIUSEPPE (Organic Chemistry and Pharmaceutical Law).
VIGGIANI, MARIA (Botanical Pharmaceutics).

Faculty of Economics and Commerce:
ANDREATTA, NINO (Political Economy).
AVONDO BODINO, GIUSEPPE (General Mathematics).

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Azzini, Lino (General and Applied Accountancy).
Bo, Carlo (French and Spanish).
Bosco, Manfredi (Administrative Law).
Caracciolo, Alberto (History of Economics).
Consoli, Antonio (Banking Law).
Curri, Antonino (Russian Language).
De Giovanni Pizzorno, A. (Economic Geography).
De Nardo, Vincenzo (Marketing Research).
Elia, Leopoldo (Institution of Public Law).
Fedele, Rocco (Actuarial Mathematics).
Fua, Giorgio (Political Economy and Finance).
Galgano, Francesco (Commercial Law).
Ghezzi, Giorgio (Labour Law).
Giorgetti, Armando (Financial Science and Law).
Lorusso, Ettore (Commercial and Industrial Technics).
Mandrioli, Crisanto (Civil Procedure).
Mauri, Arnaldo (Banking and Professional Technics).
Migliazza, Alessandro (International Law).
Minutilli, Federico (Merchandise).
Orlando, Giuseppe (Political Economy).
Pastori, Franco (Institutions of Private Law).
Predetti, Aldo (Statistics).
Rizzardi, Alfredo (English Language).
Rossi, Guido (History of Economics).
Sordelli, Luigi (Industrial Law).
Stendardi, Giangaleazzo (Maritime Law).
Traverso, Leone (German Language).

POLITECNICO DI MILANO

PIAZZA LEONARDO DA VINCI 32, MILAN

Telephone: 292101

Founded 1863.

Rector: Prof. Dr. Ing. Gino Bozza.
Administrative Director: Dr. Fortunato Vito Catalano.
Librarians: **Prof. Dr. Ing. Arnaldo Masotti, Prof. Dr. Maria Freri.**

Number of teachers: 1,034, including 38 professors.
Number of students: 6,309.

Deans:

Faculty of Engineering: **Prof. Ing. Dr. Giulio De Marchi.**
Faculty of Architecture: **Prof. Arch. Dr. Piero Portaluppi.**

Professors:

Faculty of Engineering:
Amerio, Luigi (Mathematical Analysis).
Bertolini, Italo (Machine Construction).
Bisi, A. (Physics).
Bolla, Giuseppe (Atomic Physics).
Bottani, Ercole (Electrical Engineering).
Bozza, Gino (Technical Physics).
Carassa, F. (Electric Communications).
Cardani, Cesare (Chemistry).
Casci, Corrado (Aircraft Engines and Gas Turbines).
Citrini, Duilio (Hydraulics).
Clauser, E. (Rational Mechanics).
Correggiari, Francesco (Electrical Machinery).
Cugiani, Marco (Mathematical Analysis).
Dadda, Luigi (Electrical Engineering).
Danusso, F. (Macromolecular Chemistry).
De Pol, Pietro (Electrical Plants).
Dei Poli, Alessandro (Technics of Constructions).
Finzi, Bruno (Rational Mechanics).
Gatti, Emilio (Physics).
Grandori, Giuseppe (Science of Construction).
Jelmoni, Aimone (Road, Railway and Airport Constructions).
Locatelli, Pietro (Science of Construction).
Marchetti, Mario (Hydraulic Construction).
Masotti Biggiogero, Giuseppina (Analytical Geometry).
Muzio, Giovanni (Architecture).
Natta, Giulio (Industrial Chemistry).
Piontelli, Roberto (Physical Chemistry).
Preti, E. (Aircraft Structures).
Quilico, Adolfo (General Chemistry).
Regoliosi, Piero (Electrical Measurements).
Silvestri, M. (Nuclear Engineering).
Solaini, Luigi (Topography).
Stabilini, Luigi (Technics of Constructions).
Zoja, Raffaello (Siderurgy).

Faculty of Architecture:
Cassi, Antonio (Architectural Composition).
De Carli, C. (Interior Architecture).
Dodi, Luigi (Town and Country Planning).
Finzi, Leo (Science of Construction).
Masotti, Arnaldo (Rational Mechanics).

POLITECNICO DI TORINO

CORSO DUCA DEGLI ABRUZZI, TURIN

Telephone: 60841

Founded 1859.

Higher Institute of Engineering and Architecture.

Rector: Prof. Antonio Capetti.
Administrative Director: Rag. Gaetano Martini.
Librarian: Ing. Giovanni Biasi.

The library contains 15,000 volumes.

Deans:

Faculty of Engineering: Prof. Bruno Gentilini.
Faculty of Architecture: Prof. Paolo Verzone.

Professors:

Faculty of Engineering:
Boella, Mario (Electrical Communication).
Buzano, Pietro (Mathematical Analysis, Algebraic and Infinitesimal).
Capetti, Antonio (Machinery).
Carrer, Antonio (Construction of Electric Machinery).
Cavinato, Antonio (Mineral Deposits).
Cicala, Placido (Science of Construction).
Cirilli, Vittorio (Applied Chemistry).
Codegone, Cesare (Technical Physics).
Denina, Ernesto (Electro-Chemistry).
Ferrari, Carlo (Mechanics Applied to Machinery).
Gentilini, Bruno (Hydraulics).
Giovannozzi, Renato (Machine Construction).
Oberti, Guido (Construction in Wood, Iron and Cement).
Perucca, Eligio (Experimental Physics).
Rigamonti, Rolando (Industrial Chemistry).
Sartori, Rinaldo (Electrotechnics).
Stragiotti, Lelio (Mining Engineering).
Zignoli, Vittorino (Techniques and Economics of Transport).

Faculty of Architecture:
Bairati, Cesare (Elements of Construction).
Goria, Carlo (General and Applied Chemistry).
Melis, Armando (Distributive Characters of Buildings).
Mollino, Carlo (Architectural Composition).
Pugno, Giuseppe Maria (Science of Construction).
Verzone, Paolo (Style and Construction of Monuments)

School of Aeronautical Engineering:
Gabrielli, Giuseppe (Project of Aircraft).
Iarre, Giovanni (Aerodynamics).

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OTHER UNIVERSITIES, COLLEGES AND INSTITUTES

UNIVERSITÀ CATTOLICA DEL SACRO CUORE
(Catholic University of the Sacred Heart)

PIAZZA S. AMBROGIO 9, MILAN

Telephone: 86.55.51; 86.56.51

Founded 1920; recognised by the Government 1924

Rector: Prof. FRANCESCO VITO.
Secretary: Dr. GUIDO ROSSI.
Treasurer: Dr. GIANCARLO BRASCA.
Librarian: Dr. RUGGERO ORFEI.

Number of teachers: 237 professors.

Number of students: 10,190 men, 2,915 women, total 13,105.

Publications: *Orbis Romanus* (collection of medieval texts), *Aegyptus, Rivista Italiana di Papirologia e di Egittologia* (edited by the School of Papyrology), *Aevum, Rassegna di Scienze Linguistiche, Storiche e Filologiche* (edited by the Faculty of Arts), *Archivio di Psicologia, Neurologia e Psichiatria, Rivista di Filosofia Neo-Scolastica* (edited by the Institute of Philosophy), *Rivista internazionale di scienze sociali, Jus* (edited by the Faculty of Law), *Annali della Facoltà di Agraria* (edited by the Faculty of Agrarian Science), *Bibliografia Italiana di Scienze Sociali* and publications from each Faculty.

DEANS:

Faculty of Law: Prof. GIORGIO BALLADORE PALLIERI.
Faculty of Political Sciences: Prof. GIANFRANCO MIGLIO.
Faculty of Economics and Commerce: Prof. MARIO ROMANI.
Faculty of Letters and Philosophy: Prof. EZIO FRANCESCHINI.
Faculty of Higher Education: Prof. GIUSEPPE NANGERONI.
Faculty of Agrarian Sciences: Prof. GIUSEPPE PIANA.
Faculty of Medicine and Surgery: Prof. FRANCESCO VITO (President of the Provisional Advisory Board).

PROFESSORS:

Faculty of Law:
ACETI, GUIDO (Catholic Doctrine and Ethics).
ALLORIO, ENRICO (Finance and Financial Law).
BALLADORE PALLIERI, GIORGIO (International and Constitutional Law, Doctrine of the State).
BARBERO, DOMENICO (Institutions of Private Law).
BENVENUTI, FELICIANO (Administrative Law).
BIONDI, BIONDO (Institutions of Roman Law and Roman Law).
BISCOTTINI, GIUSEPPE (International Law).
CATTABENI, CAIO MARIO (Forensic and Insurance Medicine).
CONFALONIERI, ANTONIO (Technical and Professional Banking).
CORDERO, FRANCO (Penal Procedure and Philosophy Law).
CRESPI, ALBERTO (Criminal Law).
DALMARTELLO, ARTURO (Commercial Law).
FALESCHINI, LUIGI (Statistics).
GARBAGNATI, EDOARDO (Judicial Procedure and Jurisprudence).
GIACCHI, ORIO (Canonical and Ecclesiastical Law).
GUATRI, LUIGI (Industrial and Commercial Methods).
LOMBARDINI, SIRO (Economics).
MASCHI, CARLO ALBERTO (History of Roman Law).
MENGONI, LUIGI (Labour and Private Law).
NICOLINI, UGO (History of Italian Law and History of International Political Treaties).
POTOTSCHNIG, UMBERTO (Italian and Comparative Constitutional Law).
TEANI, RENATO (Industrial and Commercial Methods).
VAJANI, LUIGI (Demography).
VANZETTI, ADRIANO (Industrial Law).
VITO, FRANCESCO (Economics).

Faculty of Political Sciences:
ACETI, GUIDO (Catholic Doctrine and Ethics).
ALBERONI, FRANCESCO (Sociology).
BALLADORE PALLIERI, GIORGIO (International Law, Doctrine of the State).
BENVENUTI, FELICIANO (Administrative Law).
BISCOTTINI, GIUSEPPE (Italian and Comparative Constitutional Law; Public Law and International Organization).
FALESCHINI, LUIGI (Statistics).
MAZZOCCHI, GRANCARLO (Finance).
MENGONI, LUIGI (Labour Law).
MIGLIO, GIANFRANCO (History of Politics).
NICOLINI, UGO (History of International Political Treaties).
PASSERIN D'ENTREVES, ETTORE (Modern History).
POTOTSCHNIG, UMBERTO (Italian and Comparative Constitutional Law).
PROSDOCINI, LUIGI (Political and Colonial History).
ROMANI, MARIO (Modern History).
SAIBENE, CESARE (Economic and Political Geography).
SCHLESINGER, PIERO (Institutions of Private Law).
VAJANI, LUIGI (Demography).
VITO, FRANCESCO (Economics, Political Economy).

Faculty of Economics and Commerce:
ADOLF, GERTRUDE (German Language).
ALBERONI, FRANCESCO (Sociology).
ALLORIO, ENRICO (Financial Law).
ARDEMANI, EDOARDO (Applied Accountancy).
BALLADORE PALLIERI, GIORGIO (International Law).
BENVENUTI, FELICIANO (Administrative Law).
BERNASCONI, GIACOMO (French Language).
BIGNAMI, ANTONIETTA (Applied Accountancy).
BISCOTTINI, GIUSEPPE (Institutions of Public Law).
BONATO, CORRADO (Economics and Agrarian Politics).
CASSONI, GIUSEPPE (International Law).
CATTANEO, MARIO (Applied Accountancy).
CLAUSER, EMILIO (Mathematics).
CONFALONIERI, ANTONIO (Technical and Professional Banking).
CORDERO, FRANCO (Judicial Procedure and Jurisprudence).
CORTI, GAETANO (Catholic Doctrine and Ethics).
DUCHINI, FRANCESCA (Economics).
ERBA, LUCIANO (French Language).
FABBRICHESI, ELISA (French Language).
FALESCHINI, LUIGI (Statistics).
GARBAGNATI, EDOARDO (Jurisprudence).
GUATRI, LUIGI (Industrial and Commercial Methods).
JELMONI, AIMONE (Transport Economics).
MANARA, CARLO FELICE (Mathematics).
MASOTTI, ARNALDO (Mathematics).
MAZZOCCHI, GIANCARLO (Economics, Finance).
MENGONI, LUIGI (Labour Law).
MORELLI, GERARDO (Catholic Doctrine and Ethics).
NOBILI, RAFFAELE (Commercial Law).
PELLEGRINO, UBALDO (Catholic Doctrine and Ethics).
PELLIZZI, GIOVANNI L. (Commercial Law and Institutions of Private Law).
PISTOIA, ANGELO (Financial Mathematics).
PITTI FERRANDI, FRANCESCO (French Language).
PREDETTI, ALDO (Statistics).
PROVVEDI, FOSCO (Study of Commodities).
ROMANI, MARIO (Economic History)
ROUX, DELFINA (Financial Mathematics).
SAIBENE, CESARE (Economic Geography).
SANCHEZ, MARIA CRISTINA (Spanish Language).
SANT'AMBROGIO, LUIGI (Economic Statistics).
SCHLESINGER, PIERO (Institutions of Private Law).
SPETRINO, LIDIA (English Language).
SPINUCCI, PIETRO (English Language).
TEANI, RENATO (Study of Commodities).
UGGÈ, ALBINO (Statistics).
VACCA, SERGIO (Industrial and Commercial Methods).
VAJANI, LUIGI (Statistics, Demography).
VALENTINI CARLONI, RENATA (French Language).
VANZETTI, ADRIANO (Industrial Law).
VITO, FRANCESCO (Economics, Political Economy).
VOLPATI, EMANUELA (English Language).
ZERBI, TOMMASO (Applied Accountancy).

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Faculty of Letters and Philosophy:

AGAZZI, SPERANDIO ALDO (Pedagogy).
AGENO BRAMBILLA, FRANCA (Italian Philology).
ALBERONI, FRANCESCO (Sociology).
ANCONA, LEONARDO (Psychology).
APOLLONIO, MARIO (Italian Literature, History of the Theatre).
ARATA, CARLO (Philosophy).
BARNETT, ROBERT, Jr. (English Language).
BASINI, ANTONIO (English Language).
BETTONI, EFREM (History of Medieval Philosophy).
BILLANOVICH, GIUSEPPE (Medieval and Renaissance Philology, Palæography and Diplomatics).
BLANC, PIETRO (French).
BOLOGNESI, GIANCARLO (Glottology, German Philology).
BONTADINI, GUSTAVO (Theoretical Philosophy).
BORSANI SCALABRINO, GIUSEPPINA (Sanskrit).
BOVINI, GIUSEPPE (Christian Archæology).
BRISCA MENAPACE, LIDIA (Italian Language).
CAGIANO DE AZEVEDO, MICHELANGELO (Archæology, History of Greek and Roman Art and Christian Archæology).
CASOTTI, FRANCESCO (English Language).
CASOTTI, MARIO (History of Pedagogy).
CORDERO, FRANCE (Philosophical Law).
CREMONA, VIRGINIO (Greek and Latin Grammar).
DAL SANTO, LUIGI (Latin Language).
DE CESARE, RAFFAELE (French Language and Literature).
DELL' ACQUA, GIAN ALBERTO (History of Art).
ERBA, LUCIANO (French Language).
FERRI, PAOLA (English Language).
FERRO, CARMELO (Moral Philosophy).
FRANCESCHINI, EZIO (History of Medieval Latin Literature).
GARZETTI, ALBINO (Greek and Roman History).
GRACIOTTI, SANTE (Polish Language and Slavish Philology).
GUARIGLIA, GUGLIELMO (Ethnology).
GUZZETTI, GIOVANNI BATTISTA (Catholic Doctrine and Ethics).
HUTCHINGS, GEOFFREY CHARLES (English Language).
KAUTSCHISCHWILI, NINA (Russian Language).
LAZZATI, GIUSEPPE (Ancient Christian Literature).
MANARA, CARLO FELICE (Mathematical Logic).
MARINONI, AUGUSTO (Romance Philology).
MASOTTI, ARNALDO (Mathematics).
MEISSLER, HANS-JURGEN (German Language).
MELCHIORRE, VIRGILIO (History, Philosophy).
MIGLIO, GIANFRANCO (History of Politics).
MONTEVECCHI, ORSOLINA (Papyrology, Greek and Roman Antiquities).
NANGERONI, GIUSEPPE (Geography).
NICOLINI, UGO (History of Italian Law).
OBERTI, ELISA (Aesthetics).
PASSERIN D'ENTREVES, E. (Modern History).
PERTUSI, AGOSTINO (Byzantine Philology, Greek Literature).
PITTI FERRANDI, FRANCESCO (French Language).
RINALDI, GIOVANNI (Hebrew and Comparative Semitic Languages, Assyriology and Oriental Archæology).
RIPOSATI, BENEDETTO (Latin Literature, Classical Philology).
ROSELLINI, ALDO (French Language).
ROSSI, MARIA LUISA (German Language and Literature).
ROSSI, SERGIO (English Language and Literature).
RUZICSKA, PAOLO (Hungarian Language and Literature).
SANCHEZ, MARIA CRISTINA (Spanish Language).
SCAZZOSO, PIERO (Greek Language).
SCHENA ARDIZZONE, OLAG (German Language).
SEVERINO, EMANUELE (History of Ancient Philosophy, History of Contemporary Philosophy).
SLADE, GENOVEVA (Serbo-Croatian and Slovene Language).
SNIDER, CAMILLA (German Language).
SPINUCCI, PIETRO (English Language).
VALENTINI CARLONI, R. (French Language).
VANNI ROVIGHI, SOFIA (History of Philosophy).
VECCHI, GIUSEPPE (History of Music).
VELLANI, ANNA MARIA (English Language).
VIAN, FRANCESCO (Spanish Language and Literature).
VIOLANTE, CINZIO (Medieval History).
VITO, FRANCESCO (Economics).
ZERBI, PIERO (Ecclesiastical History).

Faculty of Higher Education:

ADOLF, GERTRUDE (German Philology).
AGOSTI, MARIO (Pedagogy).
ALFONSI, LUIGI (Latin Grammar and Latin Language and Literature).
ANCONA, LEONARDO (Psychology).
APOLLONIO, CARLA GABRIELLA (English Language and Literature).
ARATA, CARLO (Philosophy).
BARNETT, ROBERT, Jr. (English Language).
BASINI, ANTONIO (English Language).
BAUSOLA, ADRIANO (Moral Philosophy).
BETTONI, EFREM (History of Medieval Philosophy).
BOLOGNESI, GIANCARLO (German Philology).
BONTADINI, GUSTAVO (Theoretical Philosophy).
CALVETTI, CARLA (History of Philosophy).
CARBONERI, NINO (History of Medieval and Modern Art).
CASOTTI, MARIO (Pedagogy, History of Pedagogy).
CASTIGLIANO, LUIGI (English Language).
CAVALLI, GIANNINA (French Language).
CHIARI, ALBERTO (Italian Language and Literature, Italian Language and Historical Grammar).
CIGADA, SERGIO (French Language and Literature).
CONSOLI, ANTONINO (Institutions of Public Law and Education Law).
ERBA, LUCIANO (French Language and Literature).
FERRI, PAOLA (English Language).
FERRO, CARMELO (Moral Philosophy).
FRANCESCHINI, EZIO (Latin Language and Literature and Medieval Latin).
GARZETTI, ALBINO (Roman History).
GIRARDI, ENZO (Italian Language and Literature, History of Modern and Contemporary Italian Literature).
GIRAUD, MARIE B. (French Language).
MALINVERNI, BRUNO (Modern History).
MANCINI, ITALO (History of Medieval Philosophy).
MARASTONI, ALDO (Latin Language and Grammar).
MARELLI, EDILIO (Latin Language).
MARINONI, AUGUSTO (Romance Philology).
MEISSLER, HANS-JURGEN (German Language).
MONTEVECCHI, ORSOLINA (Greek Literature and History).
MORELLI, GERARDO (Catholic Doctrine and Ethics).
MUSSIO, GIOVANNI (Geography).
NANGERONI, GIUSEPPE (Geography).
NASALLI ROCCA, EMILIO (Medieval History).
PALADINI, MARIA L. (Roman History).
PETRINI, MICHELANGELO (Hygiene).
PITTI FERRANDI, FRANCESCO (French Language and Literature).
POTOTSCHNIG, UMBERTO (Institutions of Public Law and Education Law).
QUADRIO, ASSUNTO (Psychology).
REALE, GIOVANNI (Natural Philosophy, Philosophy).
ROBUSCHI, ROMAGNOLI, G. (Italian Language).
ROSELLINI, ALDO (French Language).
ROSSI, MARIA LUISA (German Language).
ROSSI, SERGIO (English Language and Literature).
RUSCHIONI, ADA (Italian Language).
SANCHEZ, MARIA CRISTINA (Spanish Language)
SCHENA ARDIZZONE, OLGA (German Language).
SEVERINO, EMANUELE (History of Ancient Philosophy).
SNIDER, CAMILLA (German Language).
SPINUCCI, PIETRO (English Language).
STICCO, MARIA (Italian Language and Literature).
TAMMI, GUIDO (Romance Philology, Catholic Education).
VANNI ROVIGHI, SOFIA (History of Philosophy).
VELLANI, ANNA MARIA (English Language).
VIAN, FRANCESCO (Spanish Language and Literature).
VIOLANTE, CINZIO (Medieval History).
ZORZI, ERVINO (Latin Language).

Faculty of Agrarian Science:

AMOROSA, MICHELE (Organic Chemistry).
BIANCHI, ANGELO (Plant Genetics).
CAPPA, VITTORIO (Zoognostics).
CERVATO, ARNALDO (Horticulture and Floriculture).
DALLARI, FRANCO (Agrarian Mechanics).
EMILIANI, FRANCESCO (Mineralogy and Geology).
FABBRI, GIANFRANCO (General and Inorganic Chemistry).
FENAROLI, LUIGI (Alpiculture).
FOGLIANI, GIUSEPPE (Viticulture).
FONTANA, PAOLO (Agricultural Chemistry, Agricultural Industries).
FORMICA, GIOVANNI B. (Mathematics and Agrarian Hydraulics).
GALIZZI, GIOVANNI (Agricultural Valuation and Accountancy).
GEROLA, FILIPPO (General Botany).
LUMETTI, LANFRANCO (Catholic Doctrine and Ethics).
MAINARDI, BRUNO (Animal Genetics).

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MANFRA, MODESTINO (Economics).
MIRONE, PAOLO (Physics).
NORDIO BALDISSERA, CLAUDIA (Anatomy and Physiology).
ORSENIGO, MARIO (Plant Pathology).
PIANA, GIUSEPPE (General and Specialised Zootechnics).
PRATELLI, GINO (Topography).
PREDETTI, ALDO (Statistics).
ROBERTI, DOMENICO (Agrarian Entomology, General Zoology, Apiculture, Silk Production).
ROSSI, AMEDEO (Catholic Doctrine and Ethics).
SCARDOVI, VITTORIO (Agricultural and Technical Microbiology).
VECCHIOTTI ANTALDI GALIZZI, G. (Hygiene Zootechnics).
ZANINI, EMILIO (General Agronomy and Grass Crops).

Faculty of Medicine and Surgery:
Members of the Provisional Advisory Board:
President: FRANCESCO VITO.
BONINO, GIOVANNI BATTISTA (Chemistry).
BOSSA GUIDO (Clinical Medicine and Medical Therapy).
GASBARRINI, ANTONIO (Clinical Medicine and Medical Therapy).

PROFESSORS:

CASTELLI, ADRIANO (Microbiology).
CHIEFFI, GIOVANNI (General Embryology and Histology).
LAMBERTINI, GASTONE (Normal Human Anatomy).
MARINI BETTOLO MARCONI, GIOVANNI BATTISTA (Chemistry).
MENNONA, GERARDO (Microbiology).
POMPEIANO, OTTAVIO (Physiology).
TERRANOVA, TULLIO (General Pathology).
URBANI, ENRICO (General Biology and Zoology).
VACIAGO, ALESSANDRO (Physics).

UNIVERSITÀ COMMERCIALE LUIGI BOCCONI

VIA R. SARFATTI, N. 23, MILAN

Telephone: 830.129/30/1/2/3

Founded 1902.

Rector: Prof. ARMANDO SAPORI.
Administrative Director: Dr. CARLO BACCARINI.
Secretary: Dr. ENRICO RESTI.
Librarian: Dr. FRANZ MAX.

Number of teachers: 64, including 53 professors.

Number of students: 3,070 men, 2,811 women, total 5,881.

Publications: *Giornale degli Economisti e Annali di Economia, Economia internazionale delle fonti d'energia, Rivista internazionale di scienze economiche e commerciali, Rivista del diritto commerciale e del diritto generale delle obbligazioni, Letterature moderne, La Borsa Valori.*

PROFESSORS:

Faculty of Economics and Commerce:
AMORTH, ANTONIO (Public Law).
AVONDO BODINO, GIUSEPPE (Statistics).
BAGIOTTI, TULLIO (History of Economic Law).
BALMAS, ENEA (French Language).
BELLINI, GIUSEPPE (Spanish Language).
BISCARETTI, PAOLO (Administrative Law).
BRAMBILLA, FRANCESCO (Statistics).
CAPRARA, UGO (Commercial Technique).
DELL'AMORE, GIORDANO (Banking and Professional Technics).
DEMARIA, GIOVANNI (Political Economy).
DI FENIZIO, FERDINANDO (Political Economy and Finance).
GAMBI, LUCIO (Economic Geography).
GRASSETTI, CESARE (Labour Law).
GUATRI, LUIGI (Agricultural Theory).
LENTI, LIBERO (Statistics).
LEVI, EUGENIO (Mathematics of Finance).
LORUSSO, ETTORE (International Commerce Technique).
MASINI, CARLO (Theory of Business Practice).
MIGNOLI, ARIBERTO (Commercial Law).
PAGANI, ALDO (Agricultural Economics and Politics).
PEYRONEL, GIORGIO (Merchandise).
PIVATO, GIORGIO (Industrial Methods).
RICCI, GIOVANNI (General Mathematics).
ROSENFELD, EMMY (German Language).
ROSSI, NAPOLEONE (Book-keeping).
ROSSI, SERGIO (English Language).
ROTONDI, MARIO (Industrial Law).
SAPORI, ARMANDO (Economic History).
SCOTTO, ALDO (Finance).
STENDARDI, G. G. (Civil Procedural Law).
VANZETTI, ADRIANO (Institutions of Private Law).
ZICCARDI, PIETRO (International Law).

Faculty of Foreign Languages and Literatures:
AMORETTI, VITTORIO (German Language and Literature).
BARIDON, SILVIO (French Language and Literature).
BAZZARELLI, ERIDANO (Russian Literature).
BELLINI, GUISEPPE (Spanish Language and Literature).
BERTOLINI, PIERO (Pedagogy).
BO, CARLO (French Language and Literature).
BONORA, ETTORE (Italian Language and Literature).
BORLENGHI, ALDO (Italian Language and Literature).
CANTONI, REMO (Philosophy).
CAZZANIGA, IGNAZIO (Latin Language and Literature).
FOÁ, GIOVANNA (English Language and Literature).
FUBINI, MARIO (Italian Language and Literature).
GALLARDO, PIERO (Italian Language and Literature).
GIANNESSI, FERDINANDO (Italian Language and Literature).
GRANADOS DE BAGNASCO, JUANA (Spanish Language and Literature).
PISANI, VITTORE (German Philology).
RIVA, AMBROGIO (Geography).
ROSENFELD, EMMY (German Language and Literature).
ROSSI, SERGIO (English Language and Literature).
VALERI, NINO (History).
VISCARDI, ANTONIO (Romance Philology).
ZANCO, AURELIO (English Language and Literature).

AFFILIATED COLLEGES:

Istituto di Economia "Ettore Bocconi"
Director: Prof. GIOVANNI DEMARIA.

Istituto di Politica Economica e Finanziaria
Director: Prof. FERDINANDO DI FENIZIO.

Istituto Matematico.
Directors: Profs. GIOVANNI RICCI and EUGENIO LEVI.

Istituto di Tecnica Industriale e Commerciale.
Director: Prof. GIORGIO PIVATO.

Istituto di Finanza.
Director: Prof. ALDO SCOTTO.

Istituto di Storia Economica.
Director: Prof. ARMANDO SAPORI.

Istituto di Economia Aziendale.
Director: Prof. GIORDANO DELL'AMORE.

Istituto di Diritto Comparato Commerciale, industriále e del lavoro "Angelo Sraffa".
Director: Prof. MARIO ROTONDI.

Istituto di Statistica.
Director: Prof. FRANCESCO BRAMBILLA.

Istituto di Geografia Economica.
Director: Prof. LUCIO CAMBI.

Istituto Borsa Valori "A. Lorenzetti".
Director: Prof. GIORGIO PIVATO.

Istituto d'Economia delle Fonti d'Energia.
Director: Prof. GIORDANO DELL'AMORE.

Istituto di Letteratura inglese e americana.
Director: Prof. AURELIO ZANCO.

Seminario di Lingua e Letteratura Francese.
Directors: Profs. SILVIO BARIDON and CARLO BO.

Seminario di Lingua e Letteratura Tedesca.
Director: Prof. GIOVANNI V. AMORETTI.

Seminario di Lingua e Letteratura Spagnola.
Director: Prof. JUANA GRANADOS.

Istituto di Lingua e Letteratura Ispano-americana.
Director: Prof. GIUSEPPE BELLINI.

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UNIVERSITÀ ITALIANA PER STRANIERI
PALAZZO GALLENGA, PERUGIA

Founded 1925.

Founded for the diffusion abroad of Italian language and culture. Open from April to December and gives courses in Italian language and civilisation to foreigners of all nationalities. There are Courses in Advanced Culture on Italian institutions, literature, pedagogy, history of art, the geography of Italy, Italian history, and Italian thought throughout the centuries. There are also Courses in Italian Language and Culture, divided into three sections: Preparatory, Intermediate, Advanced, and in the summer term a special course in Etruscology. Lectures and classes are given by Professors of Italian Universities, leading members of Academies, etc.

Rector: Carlo Vischia.
Vice-Rector: Prof. Ottavio Prosciutti.
Secretary: Dr. Nora Campiani.
Councillors: Luigi Angelini Rota, Prof. Giorgio Dominici, Dr. Gilberto Bernabei, Avv. Vincenzo Parlavecchio, Prof. Mirella Pierucci, Dr. Ottorrio Gurrieri, Prof. Salvatore Valitutti, The Mayor of Perugia, The Treasurer of Perugia, Dr. Count Leonardo Vitetti, Prof. Giorgio Spitella, Prof. Francesco Ugolini, Prof. Luciano Stirati, Dr. Vinci Grossi, Dr. Giancarlo Guelpa.
Librarian: Signora Liliana Pelliccia.

The library contains 40,000 volumes.
Number of teachers: 109.
Number of students: 30,742 of 109 nationalities.

COLLEGIO UNIVERSITARIO ASPIRANTI MEDICI MISSIONARI
VIA GALILEI 18, PADOVA

Founded 1950.

The College accepts medical students from Italy and foreign countries who wish to serve with missions. Students graduate from the University of Padua, receiving their mission training from the College.

President: Prof. Luigi Mazzuccato.
Secretary: Prof. F. Canova, via Memmo 17, Padova.
Number of students: 150.

Professors:

Arslam, M.
Franchini, A.
Raso, M.
Rubaltelli, E.
Santonastaso, A.
Tessari, I.

ISTITUTO SUPERIORE DI SANITÀ
VIALE REGINA ELENA 299, ROME

Telephone: 490-051
Telegraphic Address: Istisan-Rome

Founded 1935.

Director: G. Giacomello.
Administrative Secretary: Italo Domenicucci.
Librarian: Dr. Bruno Manzone.

Number of members: 217 Graduate Scientific Personnel.
Library contains 100,000 volumes.
Publications: *Rendiconti* (issued monthly), Scientific Reports.

Heads of Departments

Administration and Personnel: Italo Domenicucci.
Biological Chemistry: Giovanni B. Marini Bettolo.
Biology: Antonio Galamini.
Chemistry: (Vacant).
Electronics: Marco Frank.
Engineering: Salvatore Salomone.
International Research Centre for Chemical Microbiology: Ernest B. Chain, F.R.S.
Microbiology: Giuseppe Penso.
Parasitology: Ezio Mosna.
Physics: Mario Ageno.
Secretariat and Museum: Giuseppe Russo.
Therapeutic Chemistry: Daniele Bovet.
Veterinary: Vittorio Mazzaracchio.

Among its more important functions, the Institute produces sera, vaccines, antibiotics, etc.

There are two Research Centres: for protection against pests in agriculture; for protection against ionising radiations.

INSTITUT UNIVERSITAIRE D'ETUDES EUROPEENNES
VIA CONTE ROSSO 3, TURIN

Telephone: 553269

Founded 1952.

Director: Prof. Silvio Romano.
Secretary-General: Dr. Gustavo Malan.
Administrative Secretary, in charge of Library and Publications: Mme Laura Felici.

Number of teachers: 70.
Number of students: 30.
Publications: *Essais sur les droits de l'homme en Europe* (First and Second Series): *L'Intégration économique en Europe de la CECA à l'AELE, Tarifs et commerce en Europe occidentale, La planification en cinq Pays de L'Europe occidentale et orientale, Le contrat dans le droit continental et en particulier dans le droit français et italien, Annuaires.*

ISTITUTO UNIVERSITARIO DI ARCHITETTURA
S. TROVASO, VENICE

Telephone: 23271

Founded 1926.

Director: Prof. Dr. Giuseppe Samonà.
Administrative Director: Dr. Pasquale Possamai.
Librarian: Ma. Maria Luisa Bonaldi.

The library contains 4,500 volumes.
Number of teachers: 32.
Number of students: 885.

Professors:

Albini, Franco (Interior Architecture).
Barbiano di Belgioioso, Lodovico (Distribution of Architectural Styles).
Gardella, Ignazio (Elements of Architectural Composition).
Levi, Franco (Science of Construction).
Piccinato, Luigi (Town Planning).
Samona', Giuseppe (Architectural Composition).
Scarpa, Carlo (Decoration).
Zevi, Bruno (History of Art and Styles of Architecture).

ISTITUTO UNIVERSITARIO DI ECONOMIA E COMMERCIO E DI LINGUE E LETTERATURE STRANIERE
PALAZZI FOSCARI E GIUSTINIAN DEI VESCOVI, VENICE

Telephone: 85-420

Rector: Prof. Italo Siciliano.
Administrative Director: Dr. Guido Monaco.
Number of students: 2,572 men, 1,546 women, total 4,118

Deans:

Faculty of Economics and Commerce: Innocenzo Gasparini.
Faculty of Foreign Languages and Literature: Prof. Ladislao Mittner.

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PROFESSORS:

Faculty of Economics and Commerce:
CANDIDA, LUIGI (Economic Geography).
COLOMBO, BERNARDO (Statistics).
GASPARINI, INNOCENZO (Political and Financial Economy).
GENOVESE, ANTEO (Institutions of Private Law).
GERELLI, EMILIO (Financial Science and Law).
LA VOLPE, GIULIO (Political Economy).
ROSSI, NAPOLEONE (General and Applied Accountancy).
SARACENO, PASQUALE (Industrial and Commercial Technics).
VOLPATO, MARIO (General Mathematics).

Faculty of Foreign Languages and Literature:
CAVALIERE, ALFREDO (Romance Philology).
CELLINI, BENVENUTO (English Language and Literature).
GASPARINI, EVELINO (Russian Language and Literature).
MARCAZZAN, MARIO (Italian Language and Literature).
MEREGALLI, FRANCO (Spanish Language and Literature).
MITTNER, LADISLAO (German Language and Literature).
NALLINO, MARIA (Arabic Language and Literature).
SICILIANO, ITALO (French Language and Literature).

ISTITUTO NAZIONALE DI ALTA MATEMATICA

CITTÀ UNIVERSITARIA, ROME

Head of Research: Prof. FRANCO PELLEGRINO.
Administrative Director: Rag. VINCENZO TURANO (acting).

ISTITUTO UNIVERSITARIO NAVALE

VIA AMMIRAGLIO ACTON 38, NAPLES

Telephone: 313.972, 313.975, 320.327

Founded 1920.

President of the Administration: The Rector.
Rector: Prof. GIUSEPPE SIMEON.
Secretary: Dr. RAFFAELE GENNA.
Librarian: The Rector.

The library contains 46,000 volumes.
Number of teachers: 35 professors.
Number of students: 1,398.

DEANS:

Faculty of Nautical Science: Prof. GIUSEPPINA ALIVERTI.
Faculty of Maritime Economy: Prof. GIUSEPPE D'EUFEMIA.

PROFESSORS:

ALIVERTI, GIUSEPPINA (Meteorology and Oceanography).
D'EUFEMIA, GIUSEPPE (Institutions of Public Law).
FANELLI, GIUSEPPE (Commercial Law).
GRAZIANI, AUGUSTO (Political Economy).
LATMIRAL, GAETANO (Theory and Technics of Electromagnetics Wave).
LEGGIERI, GAETANO (Merceology).
SIMEON, GIUSEPPE (Nautical Astronomy).
SPASIANO, EUGENIO (Law of Navigation).

ISTITUTO UNIVERSITARIO ORIENTALE

NAPLES

Founded 1732.

Director: Prof. MARCELLO MUCCIOLI.
Chief Secretary: Rag. VINCENZO PAPPALEPORE.
Dean: Prof. Dr. LEONE PACINI.

Number of teachers: 143, including 38 professors.
Number of students: 1,349 men, 2,144 women, total 3,493.

PROFESSORS:

BARATTA, VINCENZO (Institutions of Private Law).
BAUSIAN, ALLESANDRO (Hindustani, Urdu).
BELARDI, WALTER (Glottology).
BELOOF, ROBERT S. (North American Literature).
BENEDIKTER, MARTINO (Chinese).
BOCCASSINO, RENATO (Ethnography).
BOMBACI, ALESSIO (Turkish and Persian).
CASTALDI, FRANCESCO (Political and Economic Geography).
CESARO, ANTONIO (Berber).
CHINOL, ELIO (English).
CORTESE, NINO (History of Asia).
CUPAIUOLO, FABIO (Latin).
CUTOLO, ITALO (Economic Politics).
DI SARRA, DAN DANINO (Bulgarian, Polish, Serbo-Croat).
EMMANUELE, ELENA (Spanish Language and Literature).
FERRARA, FERNANDO (English).
FIGURELLI, FERNANDO (Italian Language and Literature).
FRAGOLA, UMBERTO (Administrative Law).
FUSELLA, LUIGI (African Religions and Institutions).
LUPI, SERGIO (German and German Philology).
MATUCCI, MARIO (French Language and Literature).
MINISSI, NULLO (Czech).
MINOZZI, MANLIO (History of Treaties and International Law).
MORENO, MARTIN MARIO (Semitic Philology).
MUCCIOLI, MARCELLO (Japanese).
NAPOLITANO, TOMASO (Judicial Institutions of Eastern Europe).
ONCIULESCU, TEODORO (Byzantine History and History Eastern Europe, Rumanian, Romance Philology).
PACINI, LEONE (Slav Philology, Russian Language and Literature).
PANETTA, ESTER (Arabic).
PETECH, LUCIANO (History of Asia).
PETROCCHI, MASSIMO (Modern History).
RESSULI, NANNIK (Albanian).
RICCI, LANFRANCO (Somali, Tigrino).
ROSSI, GIUSEPPE CARLO (Spanish and Portuguese Language and Literature).
RUBINACCI, ROBERTO (Institutions of Public Law).
SANTORO, MARIO (Italian).
SAVIANO, RENATO (Missionary History and Law).
VECCIA VAGLIERI, LAURA (Muslim History and Institutions, Arabic and Arabic Dialects).
ZAGHI, CARLO (History of Africa, Comparative History of Colonisation).

THE BOLOGNA CENTER SCHOOL OF ADVANCED INTERNATIONAL STUDIES OF THE JOHNS HOPKINS UNIVERSITY

VIA BELMELORO 11, BOLOGNA

Telephone: 22 37 77
Telegraphic Address: Centro-JHU

Founded 1955.

Objective: graduate work in international affairs.

Director: C. GROVE HAINES.
Assistant Director: WALTER E. OREBAUGH.

Teachers from U.S.A., Italy, France, Germany: 14.
Students from U.S.A., Italy, France, Austria, Germany, Great Britain, Benelux: 70.

Publications: *The American Review* (four times a year), *Bologna Center Catalogue.*

PROFESSORS:

BAJPAI, SARDA SHANKAR (Government).
CHRISTOPH, JAMES (Government).
DUROSELLE, JEAN-BAPTISTE (Diplomatic History).
EISENSTADT, ABRAHAM (History).
GROSSER, ALFRED (Politics).
LA PERGOLA, ANTONIO (International Law).
MCKENNA, JOSEPH P. (Economics).
MANCINI, FEDERICO (Labour Relations).
MOSCA, RODOLFO (Diplomatic History).
SCHMIDT, KURT (Economics).
SERENI, ANGELO PIERO (International Law).
SPINELLI, ALTIERO (Politics).
SPITZ, DAVID (Politics).
WILLIAMSON, GUSTAVUS (Economics).

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SCUOLA NORMALE SUPERIORE DI PISA
PIAZZA DEI CAVALIERI 6, PISA
Telephone: 24.034, 24.287
Founded 1813.
Only State University College in Italy.

Director: Prof. GIULIO GIANNELLI.
Vice-Director: Prof. LUIGI ARIALDO RADICATI DI BROZOLO.
Administrative Director: Dr. MARIO NENCETTI.

The library contains 100,000 volumes.
Number of teachers: 32.
Number of students: 110 (76 men, 34 women).
Publications: *Annali* (Arts series, Science series), *Studi e Testi, Studi Linguistici e Filologici, Quaderni di Matematica, Testi umanistici inediti o rari.*

PROFESSORS:

Letters and Philosophy:
ARIAS, P. E. (Classical Remains).
BINNI, WALTER (History of Criticism).
BOLELLI, TRISTANO (Comparative History of Classical Languages).
CAMPANILE, E. (Celtic Philology).
CANTIMORI, DELIO (Methodology of History).
CORSI, MARIO (Philosophy).
MASSA, EUGENIO (History of Medieval Philosophy).
MICCOLI, G. (History of the Church).
ORLANDO, F. (History of the French Language and Literature).
QUAZZA, G. (History).
RAGGHIANTI, CARLO LUDOVICO (Aesthetics and Critical Methodology).
RONGA, LIUGI (History of Music).
TRAGLIA, ANTONIO (Classical Philology).

Mathematical and Physical Sciences:
ARRIGHINI, G. (Theoretical Chemistry).
BERTINI, V. (Higher Organic Chemistry).
CALABI, E. (Differential Topology).
DE GIORGI, ENNIO (Mathematical Analysis).
DI GIACOMO, A. (Complementary Physics).
FRANZINI, P. (Atomic Physics).
GEMIGNANI, G. (Theory of Numbers and Algebra).
GOTTARDI, G. (Chemical Chrystallography).
MENOTTI, P. (Complementary Physics).
MIRANDA, MARIO (Complementary Mathematics).
PICASSO, L. (Theory of Fields).
RADICATI DI BROZOLO, L. (Theoretical Physics).
TOMASSINI, G. (Complementary Mathematics).
VILLANI, V. (Superior Geometry).

Literature:
FREER, ALAN (English Language).
FUEHRER, R. (Russian Language).
ORLANDO, F. (French Literature).
WITTERS, REINALD (German Language).

SCHOOLS OF MUSIC AND ART

CONSERVATORIO DI MUSICA "SANTA CECILIA"
VIA DEI GRECI 18, ROME
Founded 1570.

Rector: Maestro GUIDO GUERRINI.
Secretary: Dr. GIUSEPPE ALBERGHINA.
Number of teachers: 95 professors.
Number of students: 311 men, 137 women, total 438.
Publication: *Annuario.*

CONSERVATORIO STATALE DI MUSICA G. B. MARTINI
PIAZZA ROSSINI 2, BOLOGNA
Founded 1804.

Director: ETTORE DESDERI.
Administrative Director: Dr. PIETRO PAOLO BONGI.
Librarian: Dr. LUISA CERVELLI.
The library contains 48,000 volumes.
Number of teachers: 40, including 26 professors.

CONSERVATORIO DI MUSICA G. VERDI
(Music Academy "G. Verdi")
VIA DEL CONSERVATORIO 12, MILAN
Founded 1808.

Director: Mo. JACOPO NAPOLI.
Librarian: Dr. GUGLIELMO BARBLAN.
The library contains 250,000 volumes.

CONSERVATORIO DI MUSICA "GIOACCHINO ROSSINI"
PIAZZA OLIVIERI 5, PESARO
Founded 1882; reorganised 1940.

President: Avv. SALVATORE BARRILE.
Director: RITO SELVAGGI.
The library contains 20,000 volumes.
Number of teachers: 47 professors.
Number of students: 153.

CONSERVATORIO STATALE DI MUSICA "GIUSEPPE VERDI"
VIA MAZZINI 11, TURIN
Founded 1867.

President: Prof. ARNALDO BERTOLA.
Director: Dr. LODOVICO ROCCA.
Librarian: IGINIO FUGA.
Number of teachers: 45 professors.
Number of students: 223.

CONSERVATORIO NAZIONALE DI MUSICA "BENEDETTO MARCELLO"
CAMPO S. STEFANO, VENICE
Founded 1877; reorganised 1940.

President: Dr. Com. GASPARE CAMPAGNA.
Director: Maestro RENATO FASANO.
Librarian: Prof. ALESSANDRO PIOVESAN.
The library contains 18,000 volumes.
Number of teachers: 42 professors.
Number of students: 55 men, 63 women, total 118.

OTHER IMPORTANT SCHOOLS OF MUSIC ARE:

Conservatorio di Musica "C. Monteverdi": Bolzano.
International Busoni Piano Competition held yearly.

Conservatorio Statale di Musica "G. Pier Luigi da Palestrina": Piazza Palazzo 1, Cagliari; f. 1939.
Director: ANTONIO VERETTI.

Conservatorio di Musica "L. Cherubini": piazzetta delle Belle Arti, Florence; f. 1861.
Director: Maestro ANTONIO VERETTI.
Secretary: SILVIA MANCALEONI.

Conservatorio di Musica "S. Pietro a Majella": via S. Pietro a Majella 35, Naples.
Director: Maestro TERENZIO GARGIULO.

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Conservatorio di Musica "V. Bellini": Palermo.

Conservatorio di Musica "A. Boito": Parma.

Istituto Musicale Nicolò Paganini: via Pisa 56, Genoa.

ACCADEMIA ALBERTINA DI BELLE ARTI E LICEO ARTISTICO

VIA ACCADEMIA ALBERTINA 6, TURIN

Founded 1652.

President: Prof. Felice Casorati.
Director: Prof. Enrico Paulucci.
Secretary: Dr. Ferruccio Salvi.

Accademia di Belle Arti e Liceo Artistico: Via Ripetta, 218b, Rome; Pres. Stanislao Ceschi; Dir. Michele Gierrisi.

British School at Rome (*Accademia Britannica*): Via Gramsci 61; f. 1901; archaeology, history, architecture, fine arts; Dir. J. B. Ward Perkins.

Accademia di Belle Arti: Via Brera 28, Palazzo di Brera, Milan.

Accademia di Belle Arti: Piazza S. Marco, Florence.

Accademia di Belle Arti: D. Duro, Campo Carmini 2613, Venice.

Accademia di Belle Arti e Liceo Artistico: Via Belle Arti 54, Bologna.

Accademia di Belle Arti e Liceo Artistico: Palazzo Malaspina, Piazza dell'Accademia 1, Carrara; special courses in marble sculpture.

Accademia di Belle Arti e Liceo Artistico: Via Bellini 36, Naples.

Accademia di Belle Arti e Liceo Artistico: Via Papireto 20, and Piazza Papireto, 2, Palermo.

Accademia di Belle Arti: Piazza S. Francesco al Prato, 5, Perugia.

Istituto Centrale del Restauro (*Central Institute for the Restoration of Works of Art*): Piazza S. Francesco da Paola, 9, Rome.

Istituto Statale d'Arte per la Ceramica: Corso Baccarini, 17, Faenza; normal courses in Ceramic Technology; Higher courses of Industrial Design and Ceramic Technology, special courses for Foreigners.

Istituto d'Arte: Piazza Armi, 16, Sassari; woodwork, metalwork, weaving.

Istituto Statale d'Arte per l'arredamento e la' decorazione della nave e degli interni: Via Pasquale Besenghi, 2, Trieste; furnishing and decoration of ships and interiors.

Istituto d'Arte: Piazza Duca Federico, 1, Urbino; engraving, page-setting, lithography, book-binding, photo engraving (animated cartoons).

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IVORY COAST

Population 3,340,000

RESEARCH INSTITUTES

Centre Recherche Zootechnique: Ninankro.

Direction de la Recherche Scientifique (IFAN): Abidjan; Bibliothèque Nationale, Sciences Humaines et Sciences de la Nature, Musée Ethnographique, Laboratoire d'Hydrobiologie, Aquaterrariu, Station d'Etudes de la Corrosion et des Salissures marines (SCORT); Founder J. L. TOURNIER.

Institut d'Enseignement et de Recherches Tropicales d'Adiopodoumé (a station of O.R.S.T.O.M.): B.P. 20, Abidjan; f. 1946; threefold function: specialist training of research students for tropical regions; fundamental and applied research in Socio-Economy, Botany, Agricultural and Medical Entomology, Ecology of Mammals and Birds, Hydrology, Materia Medica (Pharmacopoeia), Nematology, Pedology, Mineralogy, Sedimentology, Vegetal Physiology, Phytopathology and Phytotechnics; popularisation of research results having agricultural application; Dir. Dr. N. LENEUF; 35 research staff; 16 laboratory technicians.

Institut d'Hygiène: Abidjan.

Institut de Recherches sur les Huiles et Oléagineux (IRHO) (*Research Institute on Oils and Oily Substances*): La Mé, nr. Bingerville.

Institut de Recherches du Coton et des Textiles Exotiques (IRCT) (*Research Institute on Cotton and Tropical Textiles*): Bouaké.

Institut Français d'Afrique Noire: B.P. 389, Abidjan; Dirs. M. HOLAS, M. TOURNIER.

Institut de Recherches sur le Caoutchouc (IRCA) (*Institute of Rubber Research*): Abidjan, La Mé.

Institut des Fruits et Agrumes Coloniaux (FAC) (*Institute of Tropical and Citrus Fruits*): B.P. 606, Abidjan.

Institut Français du Café et du Cacao (IFCC) (*Cocoa and Coffee Research Station*): Divo.

Station Régionale: Bingerville.

Station Régionale: Abengourou.

LIBRARIES

Bibliotheque du Centre Culturel Américain: B.P. 1866, Abidjan.

Bibliothèque Nationale: Abidjan; Direction de la Recherche Scientifique, *see above*.

Centre National de Documentation: B.P. 398, Abidjan.

Hôtel de Ville: Abidjan.

Institut Français d'Afrique Noire (IFAN): Abidjan.

Service d'Information: Abidjan.

MUSEUM

Musée de la Côte d'Ivoire: Abidjan; exhibits of ethnographical, sociological, artistic and scientific nature.

UNIVERSITY

UNIVERSITÉ D'ABIDJAN

BOITE POSTALE 1880, ABIDJAN
Telephone: 96-75, 96-76, 96-77

Founded as the Centre d'Enseignement d'Abidjan 1958; University 1963.

Rector: Prof. CHARLES NOIROT.
Secretaries: M. COMBRIER, M. POTEY.
Librarian: Mme LE JOLY.

Number of teachers: 32.
Number of students: 966.

DEANS:

Faculty of Law: Prof. TIXIER.
Faculty of Medicine: Prof. LANCHOU.
Faculty of Sciences: Prof. HENRY.
Faculty of Letters: Prof. MAYER.

PROFESSORS:

Faculty of Law:
CALAIS-AULOY (Private Law).
TIXIER (Constitutional Law).

Faculty of Medicine:
GUYADER, LE (Anatomy).

Faculty of Sciences:
BAUDET (Physical Chemistry).
BODOT (Chemistry).
HENRY (Botany).
JOHNSON (Zoology).
LENEUF (Geology).
NOIROT (Animal Biology).
SOULIE (General Biology).
THEODORESCO, Mlle. (Physics).

Faculty of Letters:
MAUROCORDATO (English).
MAYER (French Language and Literature).
VIEYRA (History).

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JAMAICA

Population 1,638,309

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: 34 Trafalgar Road, Kingston 10; Rep. Dr. C. HENTSCHEL.

Central Planning Unit: P.O. Box 512, Kingston; Government Research Centre for social and economic development projects.

Institute of Social and Economic Research: *see* under University of the West Indies.

Institute of Jamaica: Kingston; f. 1879; comprises a general library of 30,000 vols.; a West India reference library of over 50,000 items; two junior centres; Museum (Natural History, History and Art and Crafts); School of Art and Crafts; Board of Govs. A. L. HENDRIKS (Chair.); Dir. and Curator C. BERNARD LEWIS, O.B.E., B.A.; Librarian (Vacant); Supervisor Junior Centre, Art and Music ROBERT VERITY, M.B.E.; Dir. of Studies, School of Art and Crafts BARRINGTON WATSON; publs. *Bulletin (Science Series), Occasional Papers of the Museum of the Institute of Jamaica, Glimpses of Jamaican Natural History.*

Sugar Research Department, The Sugar Manufacturers' Association (of Jamaica) Ltd.: Mandeville; research in sugar cane production; laboratories.

LIBRARIES AND MUSEUM

Institute of Jamaica Library: (*see* above).

Jamaica Library Service: Kingston; central library 60,000 vols.; 7 brs., mobile units.

University of the West Indies Library: Mona, St Andrews, Jamaica; f. 1948; approx. 70,000 vols.; Librarian W. E. GOCKING, B.A., F.L.A.

Institute of Jamaica Museum: (*see* above).

UNIVERSITY

UNIVERSITY OF THE WEST INDIES

MONA, KINGSTON 7, JAMAICA

Telephone: 76661

Founded 1948, University 1962

Serves Jamaica, Trinidad and Tobago and the British Colonies in the Caribbean. The Faculties of Agriculture and Engineering are in Trinidad and there is an Extra-Mural Department in British Honduras.

Chancellor: H.R.H. Princess ALICE, Countess of ATHLONE, G.C.V.O., G.B.E., V.A.

Pro-Chancellor: Hon. Dr. ERIC WILLIAMS, B.A., D.PHIL.

Vice-Chancellor: P. M. SHERLOCK, C.B.E., B.A., HON. LLD., M.L.C.

Pro-Vice-Chancellor: Dr. H. D. HUGGINS, M.S., A.M., PH.D.

Registrar: SYDNEY L. MARTIN, M.SC., A.R.C.S., D.I.C., F.R.I.C. (acting).

Number of teaching staff: 230.

Number of students: 2,000.

Publications: *Calendar, Caribbean Quarterly, Caribbean Affairs, Extra-Mural Reporter, Social and Economic Studies, West Indian Medical Journal.*

DEANS:

Faculty of Arts: L. R. B. ROBINSON, M.A.

Faculty of Education: J. J. FIGUEROA, A.B., T.D., M.A., HON. PH.D.

Faculty of Medicine: D. B. STEWART, M.B.E., B.SC., M.D., F.R.C.O.G., F.R.C.S.(C).

Faculty of Social Sciences: C. M. KENNEDY.

Faculty of Natural Sciences: D. M. STEVEN, M.A., D.PHIL., A.M., F.R.S.E.

Faculty of Agriculture (St. Augustine, Trinidad): R. N. WILSON, B.SC.(AGRIC.), M.SC., PH.D. (LOND.), DIP. IN GENETICS.

Faculty of Engineering (St. Augustine, Trinidad): Dr. KENNETH A. EVERARD, B.SC., PH.D., D.I.C., A.M.I.CHEM.E.

PROFESSORS:

ANDREWS, W. H., (Physiology).
ANNAMUNTHODO, H. (Clinical Surgery).
BRAS, G. (Pathology).
CRUICKSHANK, E. K. (Medicine).
CUTTWELL, M.P.H. (English).
FIGUEROA, J, J., (Education).
HAYNES, J. L. (Chemistry).
KENNEDY, C. M. (Economics).
RIMMER, W. G. (History).
SKELDING, A. D. (Botany).
STEVEN, D. M. (Zoology).
STEWART, D. B. (Obstetrics and Gynæcology).
WHINNOM, K. M. (Modern Languages).
WRIGHT, R. W. H. (Physics).

ATTACHED INSTITUTES:

Department of Education.
Director: Prof. J. J. FIGUEROA, A.B., T.D., M.A.(LOND.).

Department of Extra Mural Studies.
Director: H. L. WYNTER, M.A., P.G.C.E.

Institute of Social and Economic Research.

Tropical Metabolism Research Unit.

Soil Research and Survey Station.
Officer-in-Charge: J. K. COULTER, B.SC., B.AGRIC.

Seismic Research Unit.
Seismologist: G. R. ROBSON, PH.D.

Rubber Research Unit.
Agronomist: C. F. ARLETT, B.SC.

COLLEGES

College of Arts, Science and Technology: Kingston; f. 1958; courses for Diplomas in Engineering, Building, Commercial Subjects, Pharmacy and Science; 250 full-time students; day release and evening classes.

SCHOOL OF AGRICULTURE

TWICKENHAM PARK, SPANISH TOWN, JAMAICA

Founded 1910

Principal: G. F. F. GAYLE, D.I.C.T.A., M.SC.

Number of teachers: 28 (18 full-time).

Number of students: 146.

Courses in agricultural economics, agronomy, agricultural engineering, animal husbandry, botany, chemistry, English, extension education, geology, physics, soils, surveying, zoology, veterinary science, etc.

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JAPAN

Population 94,280,000

ACADEMY

NIPPON GAKUSHIIN
(Japanese Academy)

UENO PARK, TOKYO

Founded 1879.

The Japanese Academy—which is a member of the International Union of Academies—is an honorary organisation which affords membership and preferential treatment to those who have made outstanding contributions to the advancement of science and learning.

President: Dr. YUJI SHIBATA.

Secretary: Dr. NAOSHIRO TSUJI.

Total number of members: 150.

Publications: *Proceedings* (10 annually), *Nippon Gakushiin Kiyo* (3 annually).

CHAIRMEN OF SECTIONS:

Section 1 (Social Sciences and Humanities): Dr. SHIGERU NAMBARA.

Section 2 (Natural Sciences and their Application); Dr. SEITARO TSUBOI.

MEMBERS:

Section 1

AOKI, MASARU (Chinese Literature).
ARISAWA, HIROMI (Economics).
DOI, KÔCHI (English Literature).
HARADA, YOSHITO (Archæology).
HISAMATSU, SEN-ICHI (Japanese Literature).
HONJO, EIJIRO (Economic History).
ICHIKAWA, SANKI (English Philology).
ISHIWARA, KEN (History of Philosophy and Christian Theology).
ITO, HANYA (Public Finance).
KAMIKAWA, HIKOMATSU (International Politics and International Political History).
KATSUMOTO, MASAAKIRA (Civil Law, Copyright, and Patent Law).
KAWAMURA, MATASUKE (Constitutional Law).
KIKUCHI, ISAO (Social Law).
KINDAICHI, KYÔSUKE (Philology).
KITAZAWA, SHINJIRO (Economics).
KOIZUMI, SHINZO (Political Economy).
KOMACHIYA, SÔZÔ (Commercial Law).
KOMIYA, TOYOTAKA (German Literature).
MAIDE, CHÔGORÔ (History of Economic Doctrines).
MAKINO, EIICHI (Criminal Law).
MIYASAWA, TOSIYOSI (Constitutional Law).
MURAKAMI, NAOJIRO (Occidental History).
NAKADA, KAORU (Japanese Legal History).
NAKAMURA, MUNEO (Law of Civil Procedure and Civil Law).
NAMBARA, SHIGERU (Political Science and History of Political Science).
OHAMA, NOBUMOTO (Commercial Law).
OJIMA, SUKEMA (Chinese Philosophy).
ONO, SEIITIRO (Criminal Law and Criminal Procedure).
ÔRUI, NOBURU (History of European Civilization).
OTSUKA, KINNOSUKE (History of Modern Social and Economic Thought).
OUCHI, HYOE (Public Finance).
SAITO, TAKESHI (English Literature).
SAKAMOTO, TARO (Japanese History).
SASAKI, NOBUTSUNA (Japanese Literature).
SASAKI, SOICHI (Administrative Law).
SHIMMURA, IZURU (Philology).
SHINOBU, JUMPEI (International Law and Diplomatic History).
SUEKAWA, HIROSHI (Civil Law).
SUGIYAMA, NAOJIRO (Comparative Law).
SUZUKI, DAISETZ TEITARO (Buddhist Philosophy).
SUZUKI, TORAO (Chinese Literature).
TAKAGAKI, TORAJIRO (Economics).
TAKAGI, SADAJI (Psychology).
TAKAGI, YASAKA (Political Science).
TAKAHASHI, SATOMI (Philosophy).
TAKAHASHI, SEIICHIRO (History of Economics).
TAKAYANAGI, KENZO (Anglo-American Law).
TAKEUCHI, YOSHIO (Chinese Philosophy).
TAKIKAWA, YUKITOKI (Criminal Law).
TANAKA, KOTARO (Commercial Law and Philosophy of Law).
TSUJI, NAOSHIRO (Sanskrit Philology).
TSUNETO, KYO (Legal Philosophy).
UI, HAKUJU (Indian Philosophy).
UYENO, NAOTERU (Aesthetics and History of Arts).
WADA, SIE (Far Eastern History).
WAGATSUMA, SAKAE (Private Law).
YAMADA, MORITARO (Economics).
YAMADA, SABURÔ (Private International Law).
YOKOTA, KISABURO (Public International Law).

Section 2

AMEMIYA, IKUSAKU (Fishery and Marine Zoology).
ASAHINA, YASUHIKO (Pharmacy and Pharmacognosy).
FURUHATA, TANEMOTO (Legal Medicine).
FUTAKI, KENZO (Medicine).
GOTO, KAKUJI (Agricultural Chemistry).
HAGIHARA, YUSUKE (Astronomy).
HARA, RYOSABURO (Applied Chemistry).
HASEBE, KOTONDO (Anatomy and Anthropology).
HIRATSUKA, EIKICHI (Sericulture and Agricultural Chemistry).
HORIBA, SHINKICHI (Physical Chemistry).
IMAMURA, ARAO (Internal Medicine).
ISHIHARA, SHINOBU (Ophthalmology).
ITO, SEIYA (Phytopathology and Mycology).
ITO, TEI-ICHI (Crystallography and Mineralogy).
KAMEYAMA, NAOTO (Applied Chemistry).
KATO TOYOJIRO (Internal Medicine).
KATSUNUMA, SEIZO (Medicine).
KAYA, SEIJI (Physics).
KIHARA, HITOSHI (Genetics).
KIKUCHI, SEISHI (Nuclear Physics).
KIMURA, KENJIRO (Analytical Chemistry).
KOMAI, TAKU (Zoology and Genetics).
KONDO, HEISABURO (Pharmaceutical Chemistry).
KOTAKE, YASHIRO (Biochemistry).
KUNO, YAS (Physiology).
KUNUGI, KINJIRÔ (Mathematics).
KUWADA, YOSHINARI (Plant Cytology).
MASIMA, MASAITI (Applied Physics).
MASUI, KIYOSHI (Zootechnical Science).
MASUMOTO, HAKARU (Physical Metallurgy).
MATSUMOTO, SHIN-ICHI (Dermatology and Syphilology).
MISHIMA, TOKUSHICHI (Metallurgy).
MORINAGA, TOSHITARO (Plant Breeding and Agronomy).
MURAKAMI, TAKEJIRO (Physical Metallurgy).
NAGAO, MASARU (Dentistry).
NAITO, TACHU (Architecture).
NISHIHARA, TOSHIO (Mechanical Engineering).
OGATA, TOMOSABURO (Pathology).
OHSHIMA, HIROSHI (Zoology).
OKADA, YÔ KANAME (Zoology).
OKI, IWAO (Mechanical Engineering).
OKUDA, YUZURU (Agricultural Chemistry).

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ONO, AKIMASA (Mechanical Engineering).
ONODERA, NAOSUKE (Internal Medicine).
SAKAGUCHI, KINICHIRO (Microbiology).
SAMESHIMA, JITSUSABURO (Physical Chemistry).
SASAKI, TAKAOKI (Medicine).
SHIBATA, YUJI (Inorganic Chemistry).
SHIBUSAWA, MOTOJI (Electrical Engineering).
SHIOTA, HIROSHIGE (Surgery).
SHODA, KENJIRO (Mathematics).
SÔTOME, KIYOFUSA (Astronomy).
SUETUNA, ZYOITI (Mathematics).
SUZUKI, JUN (Geology of Ore Deposits).
TANAKA, YOSHIMARO (Sericology and Genetics).
TANAKA, YOSHIO (Applied Chemistry).
TANAKA, YUTAKA (Civil Engineering).
TERAZAWA, KWAN-ICHI (Physics).
TOMITA, MASAJI (Biological Chemistry).
TOMONAGA, SIN-ITIRO (Physics).
TORIKAI, RISABURO (Electrical Engineering).
TSUBOI, CHUJI (Geophysics).
TSUBOI, SEITARÔ (Petrology).
UTIDA, YOSIKAZU (Architecture).
WADATI, KIYOO (Geophysics).
YABE, HISAKATSU (Geology and Palæontology).
YABUTA, TEIJIRO (Agricultural Chemistry).
YAGI, HIDETSUGU (Electrical Engineering
YAMAGATA, MASAO (Naval Architecture).
YUKAWA, HIDEKI (Theoretical Physics).

HONORARY MEMBERS

BLUNDEN, EDMUND C. (English Literature).
BOHR, NIELS (Physics).
CAPITANT, RENE (Administrative Law).
DE LA MORANDIERE, LÉON FRANÇOIS JULLIOT (Civil Law).
DES LONGRAIS, FRÉDÉRIC JOÜON (History of Comparative Legislation).
EULER, HANS VON (Biochemistry).
KUHN, RICHARD (Organic and Physiological Chemistry).
MULLER, HERMANN JOSEPH (Genetics).
OPPENHEIMER, J. ROBERT (Physics).
POUND, ROSCOE (Legal Philosophy).
RABI, ISIDOR ISAAC (Physics).
RENOU, LOUIS (Sanskrit).
ROBINSON, SIR ROBERT (Organic Chemistry).
SANSOM, SIR GEORGE (History of Oriental Culture).
TUCCI, GIUSEPPE (Orientalism).
WINGE, ÖJVIND (Genetics).

LEARNED SOCIETIES AND RESEARCH INSTITUTES

NIHON GAKUJUTSU KAIGI
(Science Council of Japan) (J.S.C.)

UENO PARK, TOKYO

Founded on January 20th, 1949, as the governmental organisation representative of all Japanese scientists. Its functions are to promote scientific development throughout national life, industry and administration, to co-ordinate scientific research and to link scientific organisations abroad. It supersedes the former National Research Council.

President: KIYOO WADATI.
Vice-Presidents: TAKEO KUWABARA, MASAO YAMAGATA.
Secretary-General: TOSHIO TAKESHITA.

Library of 112,000 volumes.
Number of members: 210.

Publications in (English): *Annual Report, Law and Politics, Economic Series, Oceanographic Works, Proceedings, Reports,* etc.

CHAIRMEN OF SECTIONS:

Section 1 (Literature, Philosophy, Pedagogy, Psychology and Sociology, History); TOKIOMI KAIGO.
Section 2 (Law and Political Science); YOSHITARO HIRANO.
Section 3 (Economics, Commerce and Business Administration); KANAME HAYASHI.
Section 4 (Pure Science); YOSHIO FUJIOKA.
Section 5 (Engineering); YASUJIRO NIWA.
Section 6 (Agriculture); MASATAKA OHMASA.
Section 7 (Medicine, Dentistry, Pharmacology); TOMIZO YOSHIDA.

The council sponsors committees on all branches of science. There are 53 national committees, eleven special and six standing committees, a central returning committee and a management committee.

AGRICULTURE, BOTANY, FISHERIES, ETC.

Danchi-Nogaku Kenkyu-Kai (*Southern Agricultural Society*): Miyazaki University, Faculty of Agriculture, Funatsuka-cho, Miyazaki; f. 1947; 200 mems.; Pres. SHIGEO ASANO; publ. *Danchi-Nogaku.*

Engei Gakkai (*Japanese Society for Horticultural Science*): Faculty of Agriculture, University of Tokyo; f. 1923; 1,600 mems.; Pres. MAKOTO KAJIURA; publ. *Journal* (quarterly).

Gyogyo Keizai Gakkai (*The Fisheries Economic Society*): c/o Nippon Univ., Dept. of Economics, Chiyoda-Ku, Tokyo; f. 1953; 350 mems.; Pres. SEIZO OKAMOTO; publ. *Journal* (quarterly).

Nihon Ju-i Gakkai (*Japanese Society of Veterinary Science*): Faculty of Agriculture, University of Tokyo; f. 1885; 1,500 mems.; Pres. YUICHI OCHI; publ. *Journal* (bi-monthly).

Nihon Suisan Gakukai (*Japanese Society of Scientific Fisheries*): c/o Tokyo University of Fisheries, Shiba Kaigandori 6, Minato-ku, Tokyo; f. 1932; 1,752 mems.; Pres. Dr. MORISABURO TAUTI; Gen. Sec. Dr. JUNSAKU NONAKA, Chief Editor Dr. YASUO OSIMA; publ. *Bulletin* (monthly).

Nippon Chikusan Gakkai (*The Japanese Society of Zootechnical Science*): c/o Faculty of Agriculture, University of Tokyo; f. 1924; 1,200 mems.; Pres. SHOJI UESAKA; publ. *Journal* (bi-monthly).

Nippon Dojyo-Hiryo Gakkai (*The Society of the Science of Soil and Manure of Japan*): c/o National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1914; Pres. SHINGO MITSUI.

Nippon Ikushu Gakkai (*Japanese Society of Breeding*): c/o Faculty of Agriculture, The University of Tokyo; f. 1951; 1,300 mems,; Pres. SEIJIN NAGAO; publ. *Journal* (quarterly).

Nippon Mokuzai Gakkai (*The Japan Wood Research Society*): c/o Government Forest Experiment Station, Meguro-ku, Tokyo; f. 1955; 700 mems.; Pres. KAMEKICHI YASAWA.

Nippon Nogakkai (*Japanese Association of Agricultural Science Societies*): Faculty of Agriculture, University of Tokyo; f. 1930; 21 mem. societies; Pres. EIKICHI HIRATSUKA.

Nippon Nogei Kagaku Kai (*Agricultural Chemical Society of Japan*): Faculty of Agriculture, University of Tokyo; f. 1923; 4,800 mems.; Pres. HIDEO KATAGIRI; publs. *Journal* in English and Japanese, (monthly).

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Nippon Nogyo Keizai Gakkai (*Agricultural Economic Society*): Faculty of Agriculture, University of Tokyo; f. 1924; 450 mems.; Pres. KEIJI KAMIYA; publ. *Journal of Rural Economics* (quarterly).

Nippon Oyo-Dobutsu-Konchu Gakkai (*Society of Applied Entomology and Zoology*): c/o National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1957; 1,200 mems.; Pres. AKIRA KAWADA; publ. *Journal* (quarterly).

Nippon Ringakkai (*The Japanese Forestry Society*): c/o Government Forest Station, Meguro-ku, Tokyo; f. 1914; 6,000 mems.; Pres. SADAO OGIWARA; publ. *Journal* (monthly).

Nippon Sakumotsu Gakkai (*Crop Science Society of Japan*): c/o Faculty of Agriculture, University of Tokyo; f. 1927; 1,800 mems.; Pres. KENJI TOJO; Sec. YOSHIJI TOGARI; publ. *Proceedings* (quarterly).

Nippon Sanshi Gakkai (*The Sericulture Society of Japan*): c/o The Sericultural Experiment Station, Suginami-ku, Tokyo; f. 1930; 1,300 mems.; Pres. TADAO YOKOYAMA; publ. *Journal* (bi-monthly).

Nippon Seitai Gakkai (*Ecological Society of Japan*); Biological Institute, Tohoku University, Sendai; f. 1954; 1,100 mems.; Pres. DENZABURO MIYADI; publ. *Japanese Journal of Ecology* (bi-monthly).

Nippon Shio Gakkai (*The Society of Salt Science of Japan*): c/o Central Research Institute, Japan Monopoly Corporation, Yutaka-machi, Shinagawa-ku, Tokyo; f. 1950; 500 mems.; Pres. KENZO KOBO; publ. *Bulletin* (bi-monthly).

Nippon Shokubutsu-Byori Gakkai (*The Phyto-Pathological Society of Japan*): c/o National Institute of Agricultural Science, Kita-ku, Tokyo; f. 1916; 1,016 mems.; Pres. IWAO HINO.

Nippon Shokubutsu Gakkai (*Botanical Society of Japan*): Department of Botany, Faculty of Science, University of Tokyo; f. 1882; 1,353 mems.; Pres. SHIZUO HATTORI; publ. *Botanical Magazine* (monthly).

Nippon Zoen Gakkai (*Japanese Institute of Landscape Architects*): c/o Faculty of Agriculture, The University of Tokyo; f. 1924; 900 mems.; Pres. AKIRA SATO.

Nogyo-Doboku Gakkai (*Agricultural Engineering Society of Japan*): Faculty of Agriculture, University of Tokyo; f. 1929; 6,200 mems.; Pres. Prof. HITOSHI FUKUDA; publ. *Journal* (8 issues per annum), *Transactions* (twice yearly).

Nogyo-Kikai Gakkai (*The Society of Agricultural Machinery*): c/o Institute of Agricultural Machinery, Konosu-shi, Saitama Prefecture; f. 1937; 1,500 mems.; Pres. FUSANOBU SHOJI; publ. *Journal* (quarterly).

Sapporo Norin Gakkai (*Sapporo Society of Agriculture and Fisheries*): Faculty of Agriculture, Hokkaido University; f. 1908; 700 mems.; Pres. UCHIDA TOICHI; publ. *Journal* (annual).

Shokubutsu Bunrui Chiri Gakkai (*Phytogeographical Society*): Botanical Institute, Faculty of Science, Kyoto University; f. 1932; 340 mems.; Pres. SHIRO KITAMURA.

Suisan Gakkai (*Scientific Fisheries Association*): Faculty of Agriculture, University of Tokyo; f. 1915; activities suspended since 1950; Pres. IKUSAKU AMEMIYA.

Tottori Nogakkai (*Tottori Society of Agricultural Science*) Tottori University, Tottori; f. 1926; 1,200 mems.; Pres. TNETOMO HAVASHI; publ. *Transactions*.

Wood Research Institute: Kyoto University; f. 1944; Dir. Prof. TSUNEO KIJIMA.

ANTHROPOLOGY, ARCHÆOLOGY, PALÆONTOLOGY

Nihon Kokagakkai (*Archæological Society of Japan*): c/o Tokyo National Museum, Ueno Park, Daito-ku, Tokyo; f. 1895; Pres. Dr. YOSHITO HARADA; publ. *Kokogaku Zasshi* (quarterly).

Nippon Jinruigaku Kai (*Anthropological Society of Nippon*): Department of Anthropology, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo; f. 1884; 417 mems.; Pres. KOTONDO HASEBE; publ. *Journal* (quarterly).

Nippon Koseibutsu Gakkai (*Palæontological Society of Japan*): c/o Geological Institute, Faculty of Science, University of Tokyo; f. 1935; 324 mems.; Pres. TEIICHI KOBAYASHI; publ. *Transactions and Proceedings* (quarterly); special papers (occasional).

Nippon Minzokugaku Kyokai (*Japanese Society of Ethnology*): 132 Shimohoya, Hoya-machi, Kitatama-gun, Tokyo; f. 1935; 700 mems.; Pres. KEIZO SHIBUSAWA; Dir. MASAO OKA; Editor NOBUHIRO MATSUMOTO; publ. publ. *Minzokugaku-Kenkyu* (Japanese Journal of Ethnology) (quarterly).

CHEMISTRY

Institute for Chemical Research: Kyoto University; f. 1926; Dir. Prof. REMPEI GOTOH.

Kokusai Saibo Gakkai: c/o Botanical Institute, Faculty of Science, University of Tokyo; f. 1929; 800 mems.; Pres. YOSITO SINOTO; publ. *Cytologia*—International Journal of Cytology (quarterly).

Nihon Kessyo—gaku Kai (*The Crystallographic Society of Japan*): c/o Mineralogical Institute, Faculty of Science, University of Tokyo; f. 1949; 400 mems.; Pres. TOKU WATANABE; publ. *Journal* (3 times a year).

Nippon Butsuri-Kagaku Kenkyukai (*Physico-Chemical Society of Japan*): Faculty of Science, Kyoto University; f. 1926; 360 mems.; Pres. SHINKICHI HORIBA; *Review of Physical Chemistry of Japan*.

Nippon Kagaku Kenkyukai (*Japanese Chemical Abstracting Society*): 187 Higashi-3-bancho, Sendai, Miyagi Prefecture; f. 1926; 1,794 mems.; Pres. SHIN-ICHIRO FUJISE; publ. *Nippon-Kagaku-Soran* (monthly).

Nippon Kagakukai (*Chemical Society of Japan*): 5, 1-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo; f. 1948; 20,000 mems.; Pres. TOYOROKU ANDO; Hon Sec, YONEZO MORINO; publs. *Kagaku to Kogyo* (monthly). *Nippon Kagaku Zasshi* (monthly), *Kogyo Kagaku Zasshi* (monthly), *Bulletin* (monthly).

Nippon Shio Gakkai (*The Society of Salt Science, Japan*): c/o Central Research Laboratory, Japan Monopoly Corporation, Shinagawa-ku, Tokyo; f. 1950; 705 mems.; Pres. MISUO KUBOTA.

Yogyo Kyokai (*Ceramic Association of Japan*): 7 Shibanishikubo-sakuragawamachi, Minatoku, Tokyo; f. 1891; 3,350 mems.; Pres. MASAKICHY OHNO; publs. *Journal of the Ceramic Association, Japan Ceramic Statistical Monthly*.

CULTURAL SCIENCE

Bunka Kagaku Kenkyukai (*Cultural Science Research Institute*): Chuo University, Tokyo; Pres. HIDEO ICHIKAWA.

Chugoku Kenkyujo (*China Research Institute*): 4-2 Kudan, Chiyoda-ku, Tokyo; f. 1946; Pres. YOSHITARO HIRANO; publs. *Bulletin* (annual), *China Year-Book* (yearly), *Report of Chinese Economy* (quarterly), *China Research Information* (monthly), *Asia Economic Bulletin* (three times a month).

Institute of Eastern Culture (*Tôhô Gakkai*): 2, 2-chome, Nishi Kanda, Chiyoda-ku, Tokyo; Chair. TETSUTO UNO.

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Jimbun Kagaku Kenkyusho (*Research Institute of Humanistic Studies*): 50 Kitashirakawa-Oguraché, Sakyo-ku, Kyoto (Sakyô); f. 1939; attached to Kyoto University; Pres. ZENRYÛ TSUKAMOTO; the Institute is divided into three sections, dealing with Japanese, Oriental, and Western Culture; for library see p. 29; publs. *Jimbun Gakuhô, Tôhô Gakuhô, Annual Bibliography of Oriental Studies.*

Nijusseiki Kenkyujo (*Twentieth Century Research Institute*): c/o Iwanami Bookshop, 2-3 Hitotsubashi, Kanda, Chiyoda-ku, Tokyo; f. 1946; 20 mems.; Pres. IKUTARO SHIMIZU.

Okurayama Bunka Kagaku Kenkyujo (*Okurayama Research Institute for Cultural Science*): Okurayama, Futoo-machi, Kohoku-ku, Yokohama; f. 1923; Pres. YASABURO SHIMONAKA.

Society of International Culture: 2 Daikancho, Chiyoda-ku, Tokyo.

Tokyo Shina Gakkai (*Tokyo Sinological Society*): Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1897; Pres. SEIICHI UNO; publ. *Tokyo Shinagaku-ho.*

Toyo Bunka Kenkyusho (*Institute for Oriental Culture*); The University of Tokyo; 56 Otsuka-machi, Bunkyo-ku, Tokyo; f. 1941; Dir. NAMIO EGAMI.

ECONOMICS, SOCIOLOGY, STATISTICS, ACCOUNTANCY

Foreign Affairs Association of Japan: Togyo Kaikan; 7, 1-chome, Yuraku-cho, Chiyoda-ku, Tokyo; f. 1932, Rep. HELEN M. UNO; publ. *Contemporary Japan* (quarterly), *Japan Year Book.*

Hitotsubashi Daigaku Keizai Kenkyujo: (*The Institute of Economic Research, Hitotsubashi University*): Kunitachi-machi, Tokyo; f. 1940; 52 mems.; library of 92,000 vols.; Pres. CHOTARO TAKAHASHI; publs. *Economic Review* (quarterly), *Economic Research Series* (irreg.).

Institute of Asian Economic Affairs (*Ajia Keizao Kenkyusho*): 42 Honmura-cho, Ichigaya, Shinjuku-ku, Tokyo, Japan; f. 1958; 175 mems.; Chair. ATARU KOBAYASHI; Pres. SEIICHI TOBATA; Dir. MASAKAZU SHIBUSAWA; Chief, General Affairs Division MASAKAZU SHIBUSAWA; Chief, Public Information Division NOBUYUKI FUJISAKI; Chief, Library Services Division SADAYOSHI SAKATA; library of 18,000 vols.; publs. *Ajia Keizai* (monthly); *Developing Economies* (in English, quarterly). Research Report Series, Asian Economic Study Series, Translation Series (irregularly), Catalogue (annual), Accessing List (monthly), Selected Periodicals Index (monthly). Bibliographies (irregularly).

Institute of World Economy: 3, 1-chome, Nagata-cho, Chiyoda-ku, Tokyo; f. 1941; 30 mems.; Pres. SETSUZO SAWADA; Man. Dir. NIBUTANE KIUCHI; library of 20,000 vols.; publs. *World Economy* (monthly), *Study on Africa, Study on Latin America* (both in Japanese).

Japan Society for the Study of Economic Policy: Hosei University, Fujimi-cho, Chiyoda-ku, Tokyo; f. 1940.

Keiri Kenkyujo (*Accountancy Institute*): f. 1885; Dir. TETSUZO OHTA; publ. *Accountants Forum* (monthly).

Kobe Daigaku Keizai Keiei Kenkyujo (*Research Institute for Economics and Business Administration, Kobe Univ.*): Rokkodai, Nada-ku, Kobe; f. 1919; 45 mems.; library of 62,000 vols.; Dir. SUSUMU WATANABE; Sec. TOSHIO HARA; publs. *Annual Report, International Economic Review, Business Review, Kobe Economic and Business Review* (English) (annual), *Kokumin Keizai Zasshi* (monthly).

Kokka Gakkai (*Association of Political and Social Sciences*: Faculty of Law, Tokyo University; f. 1885; Pres. SHIGERU NAMBARA; publ. *Kokka Gakkai Zasshi.*

Mitsubishi Keizai Kenkyusho (*Mitsubishi Economic Research Institute*): 1-3 Nagata-cho, Chiyoda-ku, Tokyo; f. 1932; 58 mems.; Chair. SHINICHI TAKASUGI; Pres. ICHIRO MACHIDA; publs. *Survey of Economic Conditions in Japan* (in English; monthly), *Analysis of Business Results* (Japanese; semi-annually); *see also* under Libraries.

Nihon Keiei Gakkai (*Japanese Society for the Study of Business Administration*): Hitotsubashi University; f. 1926; Pres. SOTARO TAKASE.

Nihon Tokei Gakkai (*Japan Statistical Society*): Tokyo-to, Shinzuku-ku, Wakamatsu-cho; f. 1931; 455 mems.; Pres. ICHIRO NAKAYAMA.

Nihon Zaisei Gakkai (*Japanese Association of Fiscal Science*): Hitotsubashi University, Kunitachi, Tokyo; f. 1940; 195 mems.

Nippon Shakai Gakkai (*Japanese Sociological Society*): Department of Sociology, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1923; Pres. KAZUTA KURAUCHI; publ. *Shakaigaku Hyóron* (Japanese Sociological Review; quarterly).

Nippon Tokei Kyokai (*Japanese Statistical Association*): Bureau of Statistics, Wakamatsu-cho, Shinjuku, Tokyo; f. 1944; Pres. KOTARO FUJIMOTO.

Ohara Shakai Mondai Kenkyusho (*Ohara Institute for Social Research*): Hosei University, 1 3-chome, Fujimicho, Chiyoda-ku, Tokyo; f. 1919; 13 mems.; library of 15,000 vols.; Pres. SAMEZO KURUMA; publ. *The Labour Yearbook of Japan.*

Riron Keizai Gakkai (*Association of Theoretical Economics*), c/o Hitotsubashi University, Kunitachi; f. 1934, 147 mems.; Pres. ICHIRO NAKAYAMA, ISAMU YAMADA; YUKIO KITANO.

Rôdô Kagaku Kenkyusho (*Japanese Institute of Labour Science*): 1226, 2-chome, Soshigaya, Setagaya-ku: Tokyo; f. 1921; sections: physiology, biochemistry, pathology, hygiene, psychology, economics, agricultural economics, seamen's labour; Chair. of Board of Dirs. TATSUO MORITO; Dir. of Research HAJIME SAITO, M.D.; publs. *Rôdô Kagaku* (Journal of Science of Labour; monthly), *Rôdô no Kagaku* (Digest of Science of Labour; monthly), *Reports of the Institute for Science of Labour* (semi-annually), *Reports* and *Monographs.*

Shakai Kagaku Kenkyujo (*Institute of Social Science*): University of Tokyo; f. 1946; Dir. HACHIRÔUÉMON KÔHACHIRÔ TAKAHASHI.

Shakai Keisai Kenkyujo (*Institute for Social and Economic Problems*): 505 Nukui, Koganei-machi, Kitatama-gun, Tokyo; Dir. MITSUGU TANAKA.

Shiryo Hensanjo (*Historiographical Institute*): The University of Tokyo; f. 1869; Dir YOSHIAKI MORISUE.

Tokyo Daigaku Keizai Gakkai (*Economic Society of the University of Tokyo*): Faculty of Economics, University of Tokyo; f. 1922; 600 mems.; Pres. KAZUO OKOCHI; publ. *Journal* (quarterly).

EDUCATION, DOCUMENTATION, DRAMA

Gakujitsu Bunken Fukyukai (*Association for Science Documents Information*): c/o Tokyo Institute of Technology. Ookayama, Meguroku, Tokyo; f. 1933; 800 mems.; Pres. TAKU UEMURA; publs. *Raag Memoirs of the Unifying Study of Basic Problems in Engineering and Physical Sciences by means of Geometry* (English)

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(annual), *Proceedings of the Japan National Congress for Applied Mechanics* (English) (annual), *Bibliography of the Humanistics Studies and Social Relations* (English) (annual), *Abstracts, Polymer Science* (Japanese) (monthly), *Advanced Library Science and Documentation Series* (irregular).

Kokuritsu Kyoiku Kenkyusho (*National Institute for Educational Research*): 284 Chojamaru Kamiosaki, Shinagawa-ku, Tokyo; f. 1948; library of 141,461 vols.; research into educational methods, curricula and systems; centre for advice on educational problems; Pres. TAKAKATU SEKIKUTHI.

Nihon Kyoikugakkai (*The Japanese Society of the Study of Education*): Faculty of Education, University of Tokyo; f. 1941; 1,315 mems.; Pres. TOKIOMI KAIGO; publ. *The Japanese Journal of Educational Research* (quarterly).

Nihon Kyoiku-shakai Gakkai (*The Japan Society for the Study of Educational Sociology*): Faculty of Education, University of Tokyo; f. 1949; 430 mems.; Pres. TATSUMI MAKINO; publ. *The Journal of Educational Sociology* (annual).

Nihon Kyoiku-shinri Gakkai (*The Japanese Association of Educational Psychology*): Faculty of Education, University of Tokyo; f. 1953; 1,200 mems.; Pres. MANTARO KIDO; publ. *The Japanese Journal of Educational Psychology* (quartley)), *The Annual Report of Educational Psychology*.

Noh-Play Institute of Hosei University (*Toyoichiro Nogami's Memorial Institute for Noh-Play Research*): Hosei University, 1–3 chome, Fujimicho, Chiyoda-ku, Tokyo; f. 1952; 4 mems.; library of 6,000 vols.; Pres. TETSUZO TANIKAWA; publ. *Catalogue Noh-Play Collections*.

ENGINEERING, ARCHITECTURE

Disasters Prevention Research Institute: Kyoto University; f. 1951; Dir. Prof. EIICHI NISHIMURA.

Doboku-Gakkai (*Japan Society of Civil Engineers*): 1-chome, Yotsuya Shinjuku-ku, Tokyo; f. 1914; 16,016 mems.; Pres. MATSUTARO FUJII; Vice-Pres. SHUNZO OKAMOTO, SABURO YANAMOTO; Man. Dir. TAKEO SUEMORI; publs. *Journal of the Japan Society of Civil Engineers, Transactions*.

Denki Gakkai (*Institute of Electrical Engineers of Japan*): 3, 1-chome, Yurakucho, Chiyoda-ku, Tokyo; f. 1888; 15,000 mems.; 9 brs.; Pres. SHIGENORI HAYASHI; publs. *Journal of the Japan Institute of Electrical Engineers* (monthly), *Technical Reports* (quarterly).

Engineering Research Institute: Kyoto University; f. 1941; Dir. Prof. FUJIO NAGAO.

Keisoku Jidoseigyo Gakkai (*Society of Instrument and Control Engineers*): Faculty of Engineering, University of Tokyo; f. 1962; 3,000 mems.; Pres. MIYAJI TOMOTA; publ. *Journal* (monthly).

Kenchiku Gakkai (*Institute of Japanese Architects*): Tokyo-to, Chuo-ku, Ginza Nishi 3-1; Pres. TACHU NAITO.

Kogyo Kayaku Kyokai (*The Industrial Explosive Society of Japan*): Faculty of Engineering, The University of Tokyo; f. 1939; 790 mems.; Pres. GINJIRO YOSHIDA; publ. *Journal* (bi-monthly).

Koku Kenkyusho (*Aeronautical Research Institute*): The University of Tokyo; Komaba-cho, Meguro-ku, Tokyo; f. 1958; Dir. ITIRO TANI.

Nihon Kikai Gakkai (*Japan Society of Mechanical Engineers*): Nihon Kikaku Kyokai Bldg., 89 Akasaka Hitotsugi-cho, Minato-ku, Tokyo; f. 1897; 36,707 mems.; Pres. Dr. HIROSHI OHINOUYE; publs. *Yearbook, Journal, Transactions* (monthly), *Bulletin* (in English, quarterly).

Nihon Kogakkai (*Engineering Society of Japan*): No 11, 1-Chome, Sakuma-cho, Kanda Chiyoda-ku, Tokyo.

Nihon Koku Gakkai (*Japan Society for Aeronautical and Space Sciences*): c/o Hiko Kan 3, 1-chome, Shiba Tamura-cho, Minato-ku, Tokyo; f. 1934; re-organised 1953; 1,750 mems.; Pres. MASAO YAMANA; publs. *Journal, Transactions*.

Nippon Kasai Gakkai (*The Fire Prevention Society of Japan*): Faculty of Engineering, The University of Tokyo; f. 1951; 986 mems.; Pres. YOSHIKAZU UCHIDA; publs. *Fire, Journal* (both quarterly).

Nippon Kenkikai (*Japanese Association of Electricians*): Tokyo-to, Chiyoda-ku, Yurakucho, 1-3 (Denki Kurabu); Pres. SHOJI ARAI.

Nippon Kinzoku Gakkai (*Japan Institute of Metals*): Faculty of Engineering, The University of Tokyo; f. 1933; 7,700 mems.; Pres. IKUO YASUDA; publ. *Journal* (monthly).

Nippon Tekko Kyokai (*Iron and Steel Institute of Japan*): Japan Travel Bureau Building, 1 Marunouchi 1-chome, Chiyoda-ku, Tokyo; f. 1915; 8,400 mems.; Pres. TOKUSHICHI MISHIMA; Vice-Pres. KIZO TAKEDA, TSUNEYO IKI; publs. *Tetsu-to-Hagané* (Iron and Steel—monthly), *Tetsu-to-Hagané Overseas* (quarterly).

Nippon Yukagaku Kyokai (*Japan Oil Chemist Society*): Faculty of Engineering, The University of Tokyo; f. 1951; 2,000 mems.; Pres. TSUTOMO KUWATA; publ. *Journal* (monthly).

Oyo-butsuri Gakkai (*Japan Society of Applied Physics*); Faculty of Engineering, The University of Tokyo; f. 1932; 5,000 mems.; Pres. YOSHIO SUGE, publ. *Journal* (monthly).

Seiki Gakkai (*Society for Precision Mechanics of Japan*): Faculty of Engineering, The University of Tokyo; f. 1933; 3,300 mems.; Pres. TAKASHI NAKADA; publ. *Journal* (monthly).

Seisan Gijitsu Kenkyusho (*Institute of Industrial Science*); The University of Tokyo; 10 Shinryudo-cho, Azabu Minato-ku, Tokyo; f. 1949; Dir. Prof. Dr. SHUHEI FUJITAKA.

Shomei Gakkai (*Illuminating Engineering Institute of Japan*): Tokyo-to, Chiyoda-ku, Yurakucho 1-3; f. 1916; 2,834 mems.; Pres. SHINJI TOGO; publ. *Shomei Gakkai Zasshi* (Journal of the Illuminating Engineering Institute).

Zosen Kiokai (*Society of Naval Architects*): No. 11 1-chome, Sakuma-cho, Kanda Chiyoda-ku, Tokyo; f. 1897; 3,300 mems.; Pres. MASAO YOSHIKI; publs. *Journal of Zosen Kiokai* (twice yearly), *Zosen Kiokai-shi* (monthly).

GEOGRAPHY, GEOLOGY

Chigaku Dantai Kenkyu-kai (*The Association for Geological Collaboration*): 3-516, Zôshigaya, Toshima-ku, Tokyo; f. 1947; 500 mems.; Pres. YOSHIO KASENO; Sec. MASAYOSHI ABE; publs. *Geologoj Demokratiaj* (monthly), *Earth Science* (quarterly), *Cenozoic Research* (irregular), *Monograph* (irregular), *Earth Science Series* (irregular),

Jishin Kenkyusho (*Earthquake Research Institute*): The University of Tokyo; f. 1925; Dir. HIROSI KAWASUMI; publ. *Bulletin* (quarterly).

Nihon Chiri Gakkai (*Association of Japanese Geographers*): Institute of Geography, Faculty of Science, University of Tokyo; f. 1925; 2,000 mems.; Pres. HISAO AONO; publ. *Geographical Review of Japan* (monthly).

Nippon Chishitsu Gakkai (*Geological Society of Japan*): Faculty of Science, University of Tokyo; f. 1893; 1,983 mems.; Pres. TAKEO WATANABE; publ. *Journal* (monthly).

Nippon Ganseki Kobutsu Kosho Gakkai (*Japanese Association of Mineralogists, Petrologists and Economic Geolo-*

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gists): Faculty of Science, Tohoku University; f. 1930; 1,300 mems.; Pres. MANJIRO WATANABE; publ. *Journal* (fortnightly).

Nippon Seibutsuchiri Gakkai (*Biogeographical Society of Japan*): c/o The National Science Museum, Uyeno Park, Taito-ku, Tokyo; f. 1928; 300 mems.; Pres. YAICHIRO OKADA; publs. *Bulletin, Biogeographica.*

Tokyo Chigaku Kyokai (*Tokyo Geographical Society*): 12 Nibancho, Chiyoda-ku, Tokyo; f. 1879; 596 mems.; Pres. MORITATSU HOSOKAWA; publ. *Journal of Geography* (bi-monthly).

HISTORY, FOLKLORE, ART

Academy of Japanese History: Kokugakuin University; f. 1910; publ. *Kokushigaku* (Journal of Japanese History).

Folklore Society of Japan: c/o Mrs. T. Noda, 2-12 Nishiogikubo, Suginami-ku, Tokyo; f. 1958; publ. *Nihon-Minzokugaku-Kaiho* (Bulletin of the Folklore Soceity of Japan).

Institute of Art Research: Ueno Park, Taito-ku, Tokyo; f. 1930; 45 mems.; library of 53,000 vols.; Dir. I. TANAKA; publ. *Bisutsu Kenkyu* (Journal of Art Studies) (every two months), *The Year-Book of Japanese Art.*

Shigaku-kai (*Historical Society of Japan*): University of Tokyo, Hongo; f. 1889; Pres. KENTARO MURAKAWA; publ. *Shigaku-Zasshi* (Historical Journal of Japan).

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Sazuki Building, 13 Samon-cho, Shinjuku-ku, Tokyo; Rep. E. W. F. TOMLIN, O.B.E.; also at c/o Applied Science Research Institute, 9, Tanaka-Oi-cho, Sakyo-ku, Kyoto; Dir. F. H. KING.

Deutsches Kulturinstitut: Minato-Ku, Akasaka, Tokyo.

Institut Franco-Japonais de Tokyo: 15 Funagawara-cho, Ichigaya, Shinjuku-ku; Sec. J. GONTIER.

Istituto Italiano di Cultura: 4 Sanbancho, Chiyoda-ku, Tokyo; Pres. Prof. GUISEPPE TUCCI; Dir. Prof. ENZO GIACHINO.

U.S. Information Centers: Shimohonda machi, Kanazawa; 43, Sannomiya-cho 1-chome, Ikuta-ku, Kobe City; Sanjo Karasuma Nishi, Nakagyo Ku, Kyoto; 5 Horinouchi-cho, Matsuyama City; 21, 1-chome Nakaichiba-cho, Naka-ku, Nagoya; Chuo Kaikan, Hachibancho, Furumachi-dori, Niigata; Sankei Kaikan Bldg.; 27, Umeda-cho, Kita-ku, Osaka; West 1, North 1, Sapporo; Saito Hoon Kaikan, 3-banchi, Taishoji Uramon-dori, Sendai; 12 Shiba Park, Minato-ku, Tokyo; No. 4, Yamashita-cho; Naka-ku, Yokohama.

LAW

Hogaku Kyokai (*Law Society*): Faculty of Law, University of Tokyo; f. 1884; 600 mems.; Pres. SHIGEMITSU DANDO; publ. *Hogaku Kyokai Zasshi.*

Hosokai (*Lawyer's Association*): 1, 1-chome, Kasumigaseki, Chiyoda-ku, Tokyo; f. 1891; 20,000 mems.; library of 30,000 vols.; Pres. KOTARO TANAKA; Dir. KOSATO SEKINE; publ. *Hoso Jiho.*

Japan Association of Private Law: Faculty of Law, University of Tokyo; f. 1948; Pres. SAKAE WAGATSUMA; publ. *Shiho* (Journal of Private Law).

Japan Maritime Law Association: 5-chome, Tamura-cho, Minato-ku, Tokyo; f. 1901.

Kokka Gakkai (*Association of Political and Social Sciences*): Faculty of Law, University of Tokyo; f. 1887; Pres. SHIGERU NANBARA; publ. *Kokka Gakkai Zassi* (Journal of the Association of Political and Social Sciences).

Kokusaiho Gakkai (*Association of International Law*): Seminary Room, Faculty of Law, University of Tokyo; Pres. KISABURO YOKOTA; publ. *Journal of International Law and Diplomacy.*

Nihon Hikakuho Kenkyusho (*Institute of Comparative Law of Japan*): Chuo University, Tokyo; f. 1948; Pres. NAOJIRO SUGIYAMA; Vice-Pres. KINSHO KATAYAMA; publ. *Comparative Law Review* (quarterly).

LITERATURE, PHILOLOGY

Gengo Bunka Kenkyujo (*Research Institute for Linguistic Culture*): 38 Nampeidai-machi, Shibuya Ku, Tokyo; Pres. NAOE NAGANUMA.

Gogaku Kyoiku Kenkyujo (*Institute for Research in Language Teaching*): 108 Central Corporus, 15 Ageba-cho, Shinjuku-ku, Tokyo; f. 1922 as the Institute for Research in English Teaching; Pres. SANKI ICHIKAWA, D.LITT., F.R.S.L.

Japan P.E.N. Club: P.O. Box 586, Tokyo Central; (c/o Asahi Shimbun, Yurakucho, Tokyo); Gen. Sec. YOKO MATSUOKO.

Kokugogakkai (*Society for Japanese Philology*): Faculty of Letters, University of Tokyo; f. 1944; 1,000 mems.; Pres. MOTOKI TOKIEDA; publ. *Studies in the Japanese Language* (quarterly).

Nihon Dokubungakkai (*Japanese Society of German Literature*): Faculty of Letters, University of Tokyo; 1,100 mems.; Chair. Dr. TOMIO TEZUKA; publ. *German Literature* (twice yearly).

Nihon Eibungakkai (*English Literary Society of Japan*): Faculty of Letters, University of Tokyo; f. 1917; Pres. FUMIO NAKAJIMA; publ. *Studies in English Literature,* (three times a year).

Nihon Esperanto Gakkai (*Japanese Esperanto Society*): 13, 1 Motomachi, Bunkyo-ku, Tokyo; f. 1919; 2,250 mems.; Pres. SEIHO NISHI; Sec. SIHEI MIYAKE; publ. *La Revuo Orienta* (monthly).

Nihon Furansu-go Furansu-bungaku-kai (*Japenese Society of French Language and Literature*): Nichi-futsu Kaikan (Maison Franco-Japonaise), Tokyo; f. 1946, reorganised 1962; 700 mems.; Pres. SHINTARO SUZUKI; publ. *Studies in French Language and Literature* (three times a year).

Nippon Gengogakkai (*Linguistic Society of Japan*): Faculty of Letters, University of Tokyo; f. 1938; 530 mems.; Pres. IZURU SHIMMURA; publ. *Journal.*

Nippon Romazikai (*Japanese Society for Roman Letters*): 1-tyome, Motomati, Bunkyo-ku, Tokyo; f. 1910; Pres. HORIUTI-YOSON; publ. *Romazi Sekai* (The World of Roman Letters).

Shimbun Kenkyusho (*Institute of Journalism*): University of Tokyo; f. 1949; Dir. KEIICHI TONOKI.

MATHEMATICS

Nippon Sugaku Kai (*Mathematical Society of Japan*): c/o Faculty of Science, University of Tokyo; f. 1877, reorganised 1946; 1,950 mems.; Pres. Prof. SHOKICHI IYANAGA; Sec. KOSAKU YOSHIDA; publs. *Journal, Sugaku* (both quarterly).

Nippon Sugaku Kyoikukai (*Japan Society of Mathematical Education*): c/o Tokyo University of Education, Otsuka Kubomachi, Bunkyo-ku, Tokyo; f. 1919; 7,150 mems.; publs. *Journal of Japan Society of Mathematical Education* (monthly), *Reports of Mathematical Education* (bi-annual).

MEDICINE

Densenbyo Kenkyusho (*Institute for Infectious Diseases*): The University of Tokyo; Shirokane-daimachi Minato-ku, Tokyo; f. 1892; Dir MASASHIRO KUDO.

Nihon Fujinka Gakkai (*Japanese Obstetrical and Gynæcological Society*): 5, 2-chome, Kanda-Surugadai, Chiyoda-ku, Tokyo; Pres. GEN-ICHI OGAWA.

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Nihon Ganka Gakkai (*Japanese Ophthalmological Society*): No. 5 2-chome, Kanda-Surugadai, Chiyoda-ku, Tokyo (Nihon Ishikaikan); f. 1897; Chief Man. MISAO UEMURA.

Nihon Geka Gakkai (*Japanese Surgical Society*): Surgical Department, Medical Faculty, University of Tokyo; f. 1901; 11,200 mems.; Pres. HAJIME IMANAGA.

Nihon Hifuka Gakkai (*Japanese Dermatological Association*): Department of Dermatology, Faculty of Medicine, University of Tokyo; f. 1900; 1,800 mems.; Chief Dir. TARO KAWAMURA.

Nihon Hoi Gakkai (*Medico-legal Society of Japan*): Department of Legal Medicine, Faculty of Medicine, University of Tokyo; f. 1914; 600 mems.; Dir. TSUGUO MURAKAMI; publ. *Japanese Journal of Legal Medicine* (bi-monthly).

Nihon Naika Gakkai (*Japanese Society of Internal Medicine*): 5, 2-chome Kanda-Surugadai, Chiyoda-ku, Tokyo; f. 1903; 10,000 mems.; Chief Dir. SHIGEO OKINAKA; publs. *Journal* (monthly in Japanese), *Japanese Journal of Medicine* (quarterly in English).

Nihon Seika Gakkai (*Japanese Biochemical Society*): Department of Biochemistry, Faculty of Medicine, University of Tokyo; f. 1923; 2,200 mems.; Pres. NORIO SHIMAZONO; Standing Dir. CHUNOSHIN UKITA; publs. *Journal of Biochemistry* (English, German and French), *Seikagaku* (Japanese).

Nihon Seiri Gakkai (*Physiological Society of Japan*): Physiological Department, Faculty of Medicine, University of Tokyo; 1,600 mems.; Sec. TSUTOMU WAKABAYASHI; publ. *Nihon Seirigaku Zasshi* (monthly).

Nihon Seishin Shinkei Gakkai (*Japanese Society of Neurology and Psychiatry*): Neuropsychiatric Clinic, Faculty of Medicine, University of Tokyo; 3,400 mems.; Pres. HARUO AKIMOTO; publs. *Seishin Shinkeigaku Zasshi* (Japanese—monthly), *Psychiatra et Neurologia Japonica* (English—quarterly).

Nihon Shonika Gakkai (*Societas Paediatrica Japonica*): Koei Building, 78 Hanazono-cho, Shinjuku-ku, Tokyo; f. 1896; 4,300 mems.; Pres. TADAO TAKATSU; publ. *Acta Paediatrica Japonica.*

Nihon Yakuri Gakkai (*Pharmacological Society of Japan*): Department of Pharmacology, Faculty of Medicine, University of Tokyo; Sec. Dr. H. KUMAGAI; publ. *Journal.*

Nippon Byorigakkai (*Japanese Pathological Society*): c/o Department of Pathology, Faculty of Medicine, University of Tokyo, Bungyoku, Tokyo; f. 1911; 1,800 mems.; Sec.-Gen. TOMIZO YOSHIDA; publ. *Acta Pathologica Japonica* (quarterly).

Nippon Gan Gakkai (*Japanese Cancer Association*): c/o Cancer Institute, Nishisugamo, Toshimaku, Tokyo; f. 1941; 1,700 mems.; Pres. SANJI KISHI; publ. *Proceedings of the Japanese Cancer Association* (annual).

Nippon Jibi-Inkoka Gakkai (*Oto-Rhino-Laryngological Society of Japan*): c/o Kojimachi Mansion, 5-3 Kojimachi, Chiyoda-ku, Tokyo; f. 1893; 4.100 mems.; Pres. JUNICHI SATO; publ. *Journal of the Oto-Rhino-Laryngoiogical Society of Japan* (monthly).

Nippon Kaibo Gakkai (*Japanese Anatomical Association*): Anatomical Department, Faculty of Medicine, University of Tokyo; f. 1893; 1,095 mems.; Pres. TSUNETARO FUJITA; publ. *Kaibogaku Zasshi.*

Nippon Kesseigakkai (*Serological Society of Japan*): Department of Serology, Medical School, University of Tokyo; f. 1942; 200 mems.; Pres. TOMIO OGATA.

Nippon Naibumppigaku-Kai Tobu-bukai (*Eastern Branch of Japan Endocrinological Society*): Faculty of Pharmaceutical Sciences, University of Tokyo; f. 1954; 770 mems.; Pres. KIN-ICHIRO HANAOKA; publ. *Endocrinologia Japonica* (quarterly in English, German, French).

Nippon Rai Gakkai (*Japanese Leprosy Association*): c/o Tofu Kyokai, Shinei Building, Uchisaiwaicho, Chiyoda-ku, Tokyo; f. 1927; 355 mems.; Pres. SHUNPEI YAMAMOTO; publ. *La Lepro* (bi-monthly).

Nippon Saikingakkai (*Japanese Bacteriological Society*): Department of Microbiology, Keio University School of Medicine, 35 Shinanomachi, Shinjuku-ku, Tokyo; f. 1927; 1,800 mems.; Gen. Sec. DAIZO USIBHA; publs. *Japanese Journal of Bacteriology, Japanese Journal of Microbiology.*

Nippon Seikei Geka Gakkai (*Japanese Orthopaedic Association*): c/o Department of Orthopædic Surgery, Faculty of Medicine, University of Tokyo, Bunkyoku, Tokyo; f. 1926; 3,300 mems.; Pres. ISAO AOIKE; publ. *Journal of Japanese Orthopædic Association* (monthly).

Nippon Yakugaku-Kai (*Pharmaceutical Society of Japan*): Faculty of Pharmaceutical Sciences, University of Tokyo; f. 1881; Pres. KÔITI KIMURA; publs. *Chemical and Pharmaceutical Bulletin* (monthly), *Yakugaku Zasshi* (journal—monthly).

Research Institute for Food Science: Kyoto University; f. 1946; investigates the properties and chemical reactions of proteins, vitamins and enzymes; Dir. Prof. Dr. TADAO HATA.

Tuberculosis Research Institute: Kyoto University, Shogoin-Kawara-machi, Sakyo-ku, Kyoto; f. 1941; Dir. Prof. SABURO UGEDA; publs. *Acta Tuberculosea Japonica* (twice yearly; in English), *Kyoto-Daigaku-Kekkaku-Kenkyusho-Kiyo* (twice yearly; in Japanese).

METEOROLOGY, ASTRONOMY, OCEANOGRAPHY

Ikomasan Tenmon Kyokai (*Ikomasan Astronomical Society*): Ikoma-Sanzyo, Ikoma-gun Nara Ken; f. 1942; 750 mems.; Pres. JOE UETA; Sec. H. HAMANE; publ. *Tenmon Kyositu* (Astronomical Class) (monthly).

Kaiyo Kenkyusho (*Ocean Research Institute*): The University of Tokyo, 3 Yayoi-cho, Mukogaoka, Bunkyo-ku, Tokyo; f. 1962; Dir. KOJI HIDAKA.

Kaiyoo Kisho Gakkai (*Oceanographical and Meteorological Society*): 7-chome, Ikutaku, Kobe; f. 1921; 310 mems.; Pres. TAKEMATSU OKADA; publ. *Sea and Sky* (bi-monthly).

Nippon Kaiyo Gakkai (*Oceanographical Society of Japan*): c/o Geophysical Institute, University of Tokyo, Yayoi-cho, Bunkyo-ku, Tokyo; f. 1941; 561 mems.; Pres. KOJI HIDAKA; publ. *Journal of the Oceanographical Society of Japan* (quarterly).

Nippon Kisho Gakkai (*Meteorological Society of Japan*): Central Meteorological Observatory, Ote-cho, Chiyoda-ku, Tokyo; f. 1882; 1,425 mems.; Pres. K. WADACHI; publ. *Journal* (monthly).

Nippon Nogyo-Kisho Gakkai (*Agricultural Meteorology Society of Japan*): c/o Japan Meteorological Agency, Chiyoda-ku, Tokyo; f. 1942; 523 mems.; Pres. SEITARO SUZUKI; publ. *Journal of Agricultural Meteorology.*

Nippon Tenmon Gakkai (*Astronomical Society of Japan*): Tokyo Astronomical Observatory, Mitaka, Tokyo; f. 1908; 1,150 mems.; Pres. Dr. YOSHIO FUJITA; publs. *Astronomical Herald* (monthly), *Publications of the Astronomical Society of Japan* (quarterly).

Sokko Kenkyu Kai (*Meteorological Research Organisation*): Central Meteorological Observatory, Takehira-cho, Chiyoda-ku, Tokyo; f. 1934; Pres. KIYOO WADACHI; publ. *Tenmon-to Kisho* (monthly).

Tokyo Tenmondai (*Tokyo Astronomical Observatory*): The University of Tokyo, Osawa-machi, Mitaka-shi, Tokyo; f. 1888; Dir. HIDEWO HIROSE.

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Philosophy, Psychology

Bigaku-Kai (*Japanese Society for Aesthetics*): Department of Aesthetics, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1950; 600 mems.; Pres. Toshio Takeuchi; publ. *Bigaku* (Aesthetics; quarterly).

Nihon-Indogaku-Bukkyôgakukai (*Japanese Association of Indian and Buddhist Studies*): c/o Department of Indian Philosophy and Sanskrit Philology, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1951; Pres. Shoson Miyamoto; publ. *Journal of Indian and Buddhist Studies* (Indogaku Bukkyôgaku Kenkyu).

Nihon Oyo Shinri-gakkai (*Japan Association of Applied Psychology*): Psychological Laboratory, Nihon University, Tokyo; f. 1931; Pres. Yataro Okabe (I.C.U.); Sec. Mitsugi Hasegawa.

Nihon Rinrigakukai (*Japanese Society for Ethics*): Department of Ethics, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1952; Pres. Takezo Kaneko; publ. *Rinrigakunenpo* (Annals of the Society for Ethics).

Nihon Shukyo Gakkai (*Japanese Association for Religious Studies*): Department of Science of Religion and History of Religion, Faculty of Letters, University of Tokyo, Bunkyo-ku, Tokyo; f. 1930; Pres. Terugi Ishizu; publ. *Journal of Religious Studies*.

Nippon Shinrigakkai (*Japanese Psychological Association*): Faculty of Letters, University of Tokyo, Bunkyo-ku, Tokyo; Pres. Moriji Sagara; publs. *Japanese Journal of Psychology* (bi-monthly), *Japanese Psychological Research* (quarterly).

Teiyu Rinrikai (*Society for the Study of Ethics*): 2-chome, Koenji, Suginami-ku, Tokyo; Pres. Masaharu Anezaki

Tetsugaku-kai (*Philosophical Society*): Faculty of Letters, University of Tokyo, Motofuji-cho, Bunkyo-ku, Tokyo; f. 1884; Pres. Juichi Katsura; publ. *Tetsugaku-zasshi* (quarterly).

Tohoku Daigaku Bungakubu Shinrigaku Kenkyusho (*Tohoku University Institute of Psychological Research*); Tohoku University, Sendai; Pres. Seiro Kitamura.

Physics, Geophysics

Bussei Kenkyusho (*Institute for Solid State Physics*): The University of Tokyo, 10 Azabu, Shinryudo-cho, Minato-ku, Tokyo; f. 1957; Dir. Toshinosuke Muto.

Butsuritanko Gijitsu Kyokai (*Japanese Geophysical Exploration Society*): Geological Survey, 135 Hisamoto-cho Kawasakishi, Kanagawa-ken; f. 1948; 670 mems.; Pres. K. Sasaki; publ. *Butsuri-Tanko* (Geophysical Exploration) (quarterly).

Genshikaku Kenkyusho (*Institute for Nuclear Study*): The University of Tokyo, Tanashi-machi, Kitatama-gun, Tokyo; f. 1955; Dir. Itaru Nonaka.

Nihon Sokuchi Gakkai (*Geodetic Society of Japan*): c/o Geographical Survey Institute, 7-1000, Kamimeguro, Meguro-ku, Tokyo; f. 1954; 502 mems.; Pres. Toyozo Okuda; publ. *Journal of the Geodetic Society of Japan* (quarterly).

Nippon Butsuri Gakkai (*Physical Society of Japan*): 342 Physics Building, Faculty of Science, University of Tokyo; f. 1873; 5,902 mems.; Pres. Hiroo Kumagi; publs. *Nippon Butsuri Gakkaishi, Journal of the Physical Society of Japan, Japanese Journal of Applied Physics* (monthly), *Progress of Theoretical Physics* (monthly).

Nippon Chikyu Denki Ziki Gakkai (*Society of Terrestrial Magnetism and Electricity of Japan*): Geophysical Institute, Faculty of Science, University of Tokyo; f. 1947; 300 mems.; Dir. Ken-Ichi Maeda.

Research Institute for Fundamental Physics: Kyoto University; f. 1953; Dir. Prof. Hideki Yukawa.

Uchu-Butsurigaku Kenkyukai (*Society for Cosmo-Physical Research*): Miyake Building, 8 Nishi-8 Ginza, Chuo-ku, Tokyo; f. 1942; Pres. Dr. Toshima Araki.

Uchusen Kansokusho (*Cosmic-Ray Laboratory*): The University of Tokyo, Mt. Norikura, Nyukawamura, Ono-gun, Gifu-ken; office c/o Institute for Nuclear Study; f. 1953; Dir. Itaru Nonaka.

Zisin Gakkai (*Seismological Society of Japan*): c/o Geophysical Institute, Faculty of Science, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1929; 460 mems.; Chair. Kyozi Tazime; publs. *Zisin* (Journal of the Seismological Society of Japan; quarterly), *Journal of Physics of the Earth* (semi-annually).

Zoology, Entomology and Allied Sciences

Jikken Keitai Gakkai (*Japanese Society of Experimental Morphology*): Zoological Institute, Faculty of Science, University of Tokyo; f. 1941; 300 mems.; Pres. Yó K. Okada; publ. *Journal* (annual).

Nihon Dobutsu Gakkai (*Zoological Society of Japan*): Faculty of Science, University of Tokyo; f. 1878; 1,465 mems.; Pres. Tadao Sato; publs. *Zoological Magazine* (monthly), *Annotationes Zoologicae Japonenses* (quarterly).

Nippon Cho Gakkai (*Ornithological Society of Japan*) Yamashina's Institute for Ornithology and Zoology, (Yamashina Museum of Birds), 49 Nanpeidai-machi Shibuya-ku, Tokyo; f. 1912; 340 mems.; Pres. Yoshimaro Yamashina; publ. *Tori* (semi-annual).

Nippon Eisei-Konchu Gakkai (*Japanese Society of Medical and Veterinary Entomology*): Research Institute of Natural Resources, 4 Hyakunin-cho, Shinjuku-ku, Tokyo; f. 1943; 150 mems.; Pres. Takeo Tamiya.

Nippon Iden Gakkai (*Genetic Society of Japan*): c/o National Institute of Genetics, Misima; f. 1915; 1,288 mems.; Pres. D. Moriwaki; publ. *Japanese Journal of Genetics* (bi-monthly).

Nippon Kai-Rui Gakkai (*Malacological Society of Japan*): Zoological Institute, Faculty of Science, Kyoto University, P.O. Sakyo; f. 1928; 400 mems.; Pres. Tokubei Kuroda; publ. *Venus* (annual).

Nippon Kontyu Gakkai (*Entomological Society of Japan*): c/o Department of Medical Entomology, National Institute of Health, Kamiosaki, Shinagawa-ku, Tokyo; f. 1917; 850 mems.; Pres. Keizo Yasumatsu; publ. *Kontyu* (quarterly).

Nippon Rikusui Gakkai (*Japanese Society of Limnology*): Otsu Hydrobiological Station, 109 Kwannonji-machi, Otsu City, Shiga Prefecture; f. 1931; 370 mems.; Pres. T. Kawamura; Sec. and Treas. K. Yamamoto; Editor M. Uéno; publ. *Japanese Journal of Limnology*.

Oyo Biseibutsu Kenkyusho (*Institute of Applied Microbiology*): The University of Tokyo; f. 1953; Dir. Kakuo Kitahara; publs. *Journal of General and Applied Microbiology* (quarterly), *Report* (annual).

Oyo-Dobutsu-Konchu Gakkai (*Society of Applied Entomology and Zoology*): National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1957; 1,050 mems.; Pres Akira Kawada; publ. *Oyo-Dobutsu-Konchugaku Zasshi* (Journal of Applied Entomology and Zoology; quarterly).

Toa Kumo Gakkai (*Arachnological Society of East Asia*): c/o Otemon Gakuin, Higashi-ku, Osaka; f. 1936; 150 mems.; Pres. Dr. T. Fukui; publ. *Acta Arachnologica* (semi-annual).

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LIBRARIES

Tokyo

Cabinet Library: within Ote Gate, Imperial Palace Grounds, No. 1 Chiyoda Ward; f. 1885; 496,675 vols.; special collections: Momiji-yama Library, established in Yedo Castle in 1602 by Iyeyasu Tokugawa (74,700 Japanese and Chinese books), and Shohei School Library, attached to the University of Tokugawa Shogunate and established 1630; Librarian Takejiro Uneme.

China Research Institute Library: Suru-Gadai 2-chome, Kanda, Chiyoda-ku, Tokyo; f. 1946; 20,000 vols.

Chuo University Library: Chiyoda-ku; f. 1885; over 200,000 vols.

Communications Museum Library: Teishin Hakubutsukan, 3 Fujimi-cho 2-chome, Chiyoda-ku; 50,000 vols.

Fujiyama Industrial Library: f. 1927; donated to Keio University, 1944; 56,400 vols.

Hitotsubashi University Library: Tokyo-to, Kitatama-gun, Kunitachi-machi; f. 1886; 431,394 vols.; Librarian Prof. Yuzo Morita.

Keio University Library: Mita, Shiba, Minato-ku; f. 1912; 400,000 vols.; Chief Librarian Prof. Shohei Takamura.

Keio University Medical Library (*Kitasato Memorial Library*): Shinanomachi, Shinjuku-ku; f. 1937; 73,000 vols.

Kokugakuin University Library: Wakagi-cho 9, Shibuya; f. 1882; 180,471 vols.; Head Iwatomo Fujino; publs. *Kokugakuin Zasshi* (Literary Journal), *Seikei Ronso* (The Journal of the Faculty of Politics, Law and Economics).

Komazawa University Library: Komazawa, Setagaya-ku; 81,215 vols.

Library Science Library: Keio University, Mita; introduced by Japan Library School Project, 1951; 2,404 vols.

Meiji University Library: Surugadai, Kanda-ku; f. 1903; 524,600 vols.; Librarian Masao Shimada.

Mitsubishi Economic Research Institute Library: 1-3 Nagata-cho, Chiyoda-ku, Tokyo; f. 1932; 80,813 vols., 1,435 periodicals.

National Diet Library: 1-14 Nagata-cho, Chiyoda-ku, Tokyo; f. 1948; deposit library for Japanese publs., and publs. of U.S. Government, U.N., U.N.E.S.C.O., and I.L.O.; W.H.O., I.C.A.O., G.A.T.T., etc.; international book exchange and information centre of Japan; is divided into one department and six divisions: Research and Legislative Reference Dept., Administrative, Acquisitions, Processing, Reference, Inter-library Services, and Building and Grounds Divisions; consists of the Central Library (1,362,494 vols.) the Ueno (former National) Library (958,272 vols.), Seikado Library (195,442 vols.), Toyo (Oriental) Library (494,067 vols.), and 30 branch libraries in the Executive and Judicial branches of the Government (2,327,787 vols.); Chief Librarian Takao Suzuki; Asst. Chief Librarian Shiro Okabe; publs. *Japanese National Bibliography* (annual), *Japanese Periodicals Index* (monthly), *Current Publications* (weekly), *Bulletin* (monthly), *Union Catalogue of Foreign Books* (annual), *National Diet Library Catalogue* (annual), *Index to the Proceedings of the National Diet*, *Index to the Japanese Laws and Regulations in Force* (annual), *Indo-Pacific Exchange Newsletter*, *Japanese Economic Indicators* (monthly), *Reference* (monthly), *Statistical Abstracts of Japan* (annual), *Annual Report of the National Diet Library*, etc.

Nihon University Library: Chiyoda-ku, Kanda Misaki-cho; f. 1889; 428,335 vols.; Librarian Satoshi Saito.

Ohashi Library: Kojimachi-ku; f. 1902; 190,200 vols.; Dir. Seiichi Otani.

Oriental Library (*Toyo Bunko*): 147 Kami-Fujimae-cho, Bunkyo; f. 1924; 500,000 vols.; Librarian Hirosato Iwai; publs. *Toyo Gakuho* (quarterly), *Memoirs of the Research Department*, Monographs, Series A. Miscellaneous Series C. (*see also* National Diet library).

Rikkyo University Library: Ikebukuro, Toshima-ku; 115,000 vols.; Librarian Eiichi Banshoya.

Seikado Bunko Library (Branch of the National Diet Library): 912 Okamoto-cho, Setagaya-ku, Tokyo; 187,600 vols. of Chinese and Japanese classics.

Sophia (Jôchi) University Library: Chiyoda-ku, Kioichô; f. 1913; 181,022 vols.; Librarian Aloysius Piovesana.

Tokyo Geijutsu Daigaku Toshokan (*Tokyo University of Arts Library*): Ueno Park, Daito-ku, Tokyo; over 74,364 vols.; also music and gramophone record collections (48,370 scores, 2,560 records); 42,500 exhibits including paintings, sculpture and industrial art of Japan, China and Korea.

Tokyo Metropolitan Hibiya Library: f. 1908; 384,700 vols.; Dir. Kiyoshi Seki.

Tokyo University Library: Motofujicho, Bunkyo-ku; f. 1893; reorganised 1928; 2,660,000 vols.; Dir. Dr. H. Kishimoto.

Waseda University Library: Totsuka-machi, Tokyo-to, Shinjuku-ku; 600,000 vols.; Librarian Minoru Harada.

Provinces

Akita Prefectural Library: 69 Higashi-Nekoya-cho, Akita, f. 1899; 150,000 vols.; Librarian Kojiro Inoue.

Doshisha University Library: Kyoto-shi, Kamikyo-ku, f. 1887; 335,820 vols.; Chief Librarian Keizo Munetо.

Hokkaido University Library: Sapporoshi, Sapporo; f. 1918; 411,908 Japanese vols., 339,215 European; Librarian Takeda Shinichi.

Kansai University Library: Osaka-fu, Suita-shi, Senriyama 17; 337,000 vols. in two libraries; Librarian Shinji Okojima.

Kobe City Library: Okurayama, Ikuta, Kobe; f. 1911; 170,000 vols.; Librarian Kakuro Shichi.

Kobe University Library: Rokko Dai-cho, Nada-ku, Kobe; 701,755 vols.; Dir. Dr. Kaoru Yunoki.

Kwansei Gakuin University Library: Uegahara, Nishinomiya-shi, Hyogo-ken; 156,953 vols., nearly half of which are English; Librarian S. Azuma.

Kyoto Prefecture Library: Okazaki Park, Kyoto Shi, Kyoto; f. 1909; 269,034 vols.

Kyoto University Library: Kyoto; f. 1899; 2,129,082 vols.; Librarian Dr. Kanetomo Tanaka.

Kyushu University Library: Hakozaki-machi, Fukuoka City, Fukuoka Prefecture; f. 1911; 1,103,927 vols.; Librarian Michio Aoyama.

Mie Shinto Library: Kushimoto-Machi, Kanda, Ujiyamada, Mie Prefecture; 189,000 vols.; Librarian Masaatsu Nogami.

Nagasaki Prefectural Library: 1 Kami-Nishiyama-machi, Nagasaki; f. 1912; 750,000 vols.; Librarian Taneo Morinaga.

Nagoya City University Library: 1 Kawasumi-cho, Mizuho-ku, Nagoya; f. 1943; 65,823 vols.; Librarian Tohru Ogawa, M.D.

Nagoya University Library: 6 Minami-sotobori-cho, Naka-ku, Nagoya; 498,000 vols.; Librarian Seizaburo Shinobu; Sec. Gonnai Takeii.

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Naritasan Cultural Foundation Library: 312 Narita, Narita-Machi, Chiba Pref.; f. 1901; 150,000 vols.; Librarian JIKAI IMAZAWA.

Niigata Prefectural Library: Hakusan Park, Ichiban-bori, Niigata; f. 1915; 180,000 vols.; Librarian MASAI WATANABE.

Niigata University Library: Asahimachidori 1-Bancho; Niigata City; f. 1949; 301,285 vols., 3,190 periodicals, Librarian YUNOSUKE NAKAYAMA.

Osaka Prefectural Library: Nakanoshima, Kita-ku, Osaka; f. 1903; 650,000 vols.; Head Librarian YUKICHI NAKAMURA.

Tennoji Branch: Reijin-cho, Tennoji-ku, Osaka; f. 1950; 100,000 vols.; Librarian YUZO MINAMI.

Osaka City University Library: 459 Sugimoto-Cho, Sumiyoshi-ku, Osaka; f. 1928, re-organised 1949; 594,996 vols.; Dir. KONDO BUNJI.

Osaka University Library: Shibahara, Toyonaka-shi, Osaka-fu; 574,116 vols.; Librarian EIICHI KIMURA.

Otani University Library: Kazusa-Machi, Koyama, Kamifyo-ku, Kyoto; f. 1920; 300,000 vols.; Librarian AKIHIDE MISHINA.

Research Institute of Humanistic Sciences Library: 50 Ogurachô, Kitashirakawa, Sakyo-ku, Kyoto; attached to Kyoto University; 211,510 vols., including a large collection of Chinese Classics; Dir. Prof. TAKEO KUWABARA.

Ritsumeikan University Library: Kyoto-shi, Kamikyo-ku, Hirokoji-dori, Tera-machi; f. 1905; 304,212 vols.

Tenri Central Library: Tenri City, Nara; f. 1930; Tenri University Library also open to the public; 703,738 vols.; 45 mems.; Chief Librarian MAKITA TOMINAGA; special libraries: Yorozuvo Library on Christian Missions (Jesuit mission printings in Japan), Kogido Library of Ito Jinsai on Confucian Studies, Wataya Library on Renga and Haikai Works (approx. 20,000 items), Africana Collection (5,137 vols.); publ. *Biblia* (quarterly).

Tohoku University Library: Katahiracho, Sendai, Honshu; f. 1911; 1,103,000 vols., including Kano collection of 108,000 vols. in Japanese and Chinese, the Wundt collection (15,800 vols.), Zeitelmann collection (8,280 vols.), and the Tibetan Buddhist Canons (4,569 vols.); Dir. TAKENOSUKE TAKAGI; medical library at Kitayobancho, Sendai; f. 1915; 129,000 vols.; Dir. TSUGIO MURAKAMI.

Yamaguchi University Library: Kami-Unore, Yamaguchi; f. 1949; 211,000 vols.; Librarian REN ISHIZU.

MUSEUMS AND ART GALLERIES

Museums in Japan, except for a few modern ones in the big cities, take the form of treasure halls, and are usually in the precincts of temples and shrines.

TOKYO CITY

Bridgestone Gallery: Kyobashi, Chuo-ku, Tokyo; private collection by Shojiro Ishibashi of modern Japanese and Western art; Curator SHIN IWASA.

Gotoh Art Museum: No. 111, Kaminoge-cho, Setagaya-ku, Tokyo.

Inokashira Onshi Kóen Shizen Bunkaen (*Natural Science Park in Inokashira Park*): Mitaka-machi, Kitatama-gun; zoo, botanical garden, research room, marine biology room.

Kokuritsu Hakubutsukan (*National Museum*): Ueno Park, Daitô-ku; f. 1871; 85,000 objects of fine arts, including paintings, calligraphy, sculpture, metal work, ceramic art, textiles, lacquer ware, archæological exhibits, etc.; Dir. NAGATAKE ASANO; publ. *Museum* (monthly).

Kokuritsu Kagaku Hakubutukan (*National Science Museum*): Ueno Park, Daito-ku, Tokyo; f. 1931; 96 mems., 488,151 exhibits of natural science and experimental equipment; includes specimens of botany, zoology, geology, physics, chemistry, engineering and astronomy; Dir. Dr. Y. K. OKADA; Chief of Science Divn. Dr. Y. SATAKE; Chief of Information and Education Dept. T. TOMIYASU; Librarian Dr. J. OHWI; publs. *Bulletin, Natural Science and Museums* (Japanese), *Miscellaneous Reports*.

Kótsû Hakubutsukan (*Museum of Transportation*): 25 1-chôme, Kanda-Suda-chô, Chiyoda-ku; f. 1921; 15,000 articles, including locomotives, electric equipment, motor-cars, aircraft, ships, etc.

Meiji Gingû Hómotsuden (*Meiji Shrine Treasure Museum*): Yoyogi, Shibuya-ku; f. 1921; 102 treasures and possessions of Emperor Meiji and 74 objects belonging to Empress Shoken; there is also a Memorial Picture Gallery.

National Museum of Modern Art: 3-chome, Kyobashi, Chuo-ku, Tokyo; collection mainly consists of modern Japanese art works.

Nezu Art Museum: Akasaka, Tokyo; private collection by Kaichiro Nezu of over 6,700 paintings, calligraphy, sculpture, swords, ceramics, lacquer-ware, archæological exhibits; 160 items designated as national treasures.

Nippon Mineikan (*Japanese Folk-craft Art Museum*): 861 Komaba-machi, Meguro-ku; 20,000 objects of folk-craft arts from all parts of the world.

Okura Shukokan (*Okura Museum*): Akasaka-Aoicho, Minato-ku; f. 1917; 2,688 articles of fine arts and industrial arts, 15,600 vols. Chinese classics.

Shodô Hakubutsukan (*Calligraphy Museum*): 125 Kaminegishi, Daitô-ku; 1,000 rubbed copies of the stone tablets and "hôjô", ancient texts of calligraphy (10,000 articles).

Teishin Hakubutsukan (*Communications Museum*): 3 Fujimi-cho, 2-chome, Chiyoda-ku; 12,774 exhibits; Curator TAKEO MIYAMOTO.

Tokyo Daigaku Rigakubu Fuzoku Shokubutsuen (*Botanic Gardens of University of Tokyo*): 106 Hakusan-gotenmachi, Bunkyo-ku; f. 1877; Nikko branch f. 1902; 4,000 different kinds of plants; 2,000 in Nikko; library of 3,000 vols.; Dir. Prof. M. MONSI; publ. *List of Seeds* (bi-annually).

Tokyo University of Arts Museum: *see under* Tokyo University of Arts Library.

Tokyo Yóseikan (*Yôseikan Art Gallery*): 1 Azabu-Moriokachô, Minato-ku; 77 frescoes representing scenes from the history of Japan.

Waseda Daigaku Tsubouchi Hakase Kinen Engeki Hakubutsukan (*Museum of Theatrical Arts in Memory of Dr. Shôyô Tsubouchi*): Waseda University, 1-chôme, Totsuka-machi, Shinjuku-ku; f. 1935; 64,980 books on drama and over 150,000 items including wood-block prints, programmes, pictures, costumes, properties, and other equipment used on the stage; Curator KOHEI IIJIMA; publ. *News Bulletin* (quarterly).

KYOTO CITY

Bukkyô Jidô Hakubutsukan (*Children's Buddhist Museum*), in Maruyama Park, Higashiyama-ku; 14,432 objects of interest in the study of Buddhism, history, geography: science, the fine arts, and old customs.

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Chishakuin (*Treasure Hall of the Chishakuin Temple*): Higashi - Kawaramachi, Higashiyama - ku; Buddhist equipment and utensils, old documents, paintings, calligraphs, sutras, and books in Japanese and in Chinese.

Daugoji Reihoden (*Treasure Hall of the Daigoji Temple*). Daigo, Fushimi-ku.

Jishoji (popularly known as **Ginkakuji,** the Silver Temple): Ginkakuji-cho, Sakyo-ku, Kyoto; f. 1483 by Soami, a Shogun of Ashikaga, as twelve separate buildings in the grounds of his villa; only the Ginkaku or Silver Hall, and the Togudo are now left; Curator Rev. G. SUGA.

Kitanojinja Hómotsuden (*Treasure Hall of the Kitano Shrine*): Kitano Shrine, Kamikyō-ku; several hundred art objects, including paintings, calligraphy, lacquerware, swords, etc., among which are the "Kitanoengi" Painted Scrolls, an ancient copy of the "Nihon Shoki", and "Tomokiri-maru" (a sword) by Yasutsuna.

Kódaiji (*Treasure House of the Kōdaiji Temple*): Shimokawara-machi, Higashiyama-ku.

Kóryūji Reihóden (*Treasure Museum of the Koryuji Temple*): Kóryuji Temple, Uzumasa, Ukyō-ku; f. 1922; Curator EIKO KIYOTAKI.

Kyoto Daigaku Bungakubu Chinretsukan (*Museum of Faculty of Letters, Kyoto University*): YoshidaHonmachi, Sakyō-ku, Kyoto; f. 1911; 63,850 specimens of interest in the study of archæology, history and geography of the Far East, including Japan and China; library of 93,000 vols.; Dir. Prof. JITSUZO TAMURA; publ. *Report upon Archæological Research.*

Kyoto Kokuritsu Hakubutsukan (*Kyoto National Museum*): Higashiyama Shichijo, Higashiyama-ku; f. 1889 as Imperial Kyoto Museum; exhibition rooms opened 1897; re-org. 1900 and 1924; finally in 1952 as National Museum; 53 mems.; 5,183 exhibits including fine art and industrial art exhibits and historical materials of Asia, chiefly of Japan; Dir. ZENRYU TSUKAMOTO; Chief Curator JIRO UMEZU.

Kyoto-shi Bijutsukan (*Kyoto Municipal Museum of Fine Arts*): Okazaki Park, Kyoto; f. 1933 for exhibitions of contemporary arts; the collection of contemporary fine arts object, include 311 Japanese pictures (of which 96 are oils), 27 Japanese sculptures and 44 decorative arts exhibits.

Myóhóin (*Treasure House of the Myōhōin Temple*): Daibutsu Myōhōinmae-machi, Higashiyama-ku; possessions of Tnootomi-Hideyoshi and many other national treasures.

National Museum of Modern Art: Enshoji-machi, Okazaki, Sakyo-ku; branch of Tokyo Museum of same name.

Ninnaji Reihóden (*Treasure Hall of the Ninnaji Temple*): Ninnaji Temple, Omuro Daimon-chō, Ukyō-ku.

Rengeoin (*Treasure House of the Rengeoin Temple*): Daibutsu Myōhōinmae-machi, Higashiyama-ku; "One Thousand Images" and many other Buddhist images.

Rokuonji (*Treasures of the Rokuonji Temple*): Kinkakuji-cho, Kitaku, Kyoto; famed for its garden and gold pavilion.

Shóren-in (*Treasure House of the Shōren-in Temple*): Sanjōbō-machi, Awadaguchi, Higashiyama-ku; f. 1153; Dir. JIKO HIGASHIFUSHIMI; library of 5,000 vols.; rare books, writings, paintings, etc.

Taiten Kinen Kyoto Shokubutsuen (*Kyoto City Museum Botanical Garden*): Hangi-machi, Shimokamo, Sakyō-ku; 20,000 plants and 3,135 botanical specimens.

Toyokuni Jinja Hómotsuden (*Treasure Hall of the Toyokuni Shrine*): Chayamachi, Higashiyama-ku treasures and possessions of Toyotomi-Hideyoshi, including paintings, painted screens, swords, etc.

Yógen-In (*Treasure Hall of the Yōgen-In Temple*): Sanjusangendō-mae, Yamato-ōji Shichijō Higashi Iru, Higashiyama-ku.

Yūrinkan (*The Yurinkan Collection*): 44 Okazaki-Enshōji-machi, Sakyō-ku, Kyoto; f. 1926; some 30,000 exhibits of rare antique Chinese fine arts and curios, including bronze and jade ware, porcelain, seals, Buddhist images, pictures, and calligraphy; Curator S. FUJU. The collection is privately owned by the Fuju family.

OSAKA CITY

Electricity Museum: 1-5 Kitadori, Nagahori, Nishi-ku, Osaka; f. 1937.

Osaka Municipal Art Museum: Tennoji Park, Chausuyama, Tennoji-ku, Osaka; f. 1936; Dir. NOBUNARI MOCHIZUKI.

Osaka Museum of Natural History: Utsubo Park, Nishi-ku, Osaka.

AICHI PREFECTURE

Nagoya Castle: 6-1 Minami-Sotobori-Cho, Naka-ku, Nagoya.

EHIME PREFECTURE

Oyamazumi Jinja Kokuhokan (*Treasure Hall of the Oyamazumi Shrine*): Oyamazumi Shrine, Omishima town, Ochigun; f. A.D. 1; 1,099 exhibits, including a large collection of ancient armour, swords, and the oldest mirrors in Japan; library of 1,000 vols.; Curator YASUHISA MISHIMA.

HIROSHIMA PREFECTURE

Itsukushima Jinja Hómotsukan (*Treasure Hall of the Itsukushima Shrine*): Miyajima-chô, Saeki-gun; f. 1895; 130 permanent exhibits of paintings, calligraphy, sutras, swords, and other ancient weapons; Curator and Chief Priest MOTOSADA NOZAKA.

HOKKAIDO PREFECTURE

Abashiri Kyodo Hakubutsukan (*Abashiri Municipal Museum*): Katsuragaoka Park, Abashiri; 600 local products, 8,500 articles of historical, geographical and archaeological interest, and 100 miscellaneous exhibits.

Hokkaidó Takushokukan (*Hokkaido Colonial Museum*): Nakajima Park, Sapporo City; 1,797 articles, including specimens of birds and animals, and various objects used in the different industries, in civil engineering, and in the colonisation projects in Hokkaido.

Kushiro Shiritsu Kyódo Hakubutsukan (*Kushiro Municipal Museum*): Turugadai Park, Kushiro; f. 1936; 3,745 earthenware articles, many different kinds of birds and animals, plants, insects and objects of local interest.

HYŌGO PREFECTURE

Art Museum: 1-chome, Kumauchi-Machi, Fukiai-ku, Kobe; Dir. JUNTI KAMIZUKI.

Hakutsuru Bijitsukan (*Hakutsuru Museum*): 1545 Ochiai, Sumiyoshi-cho, Higashi-nada-ku, Kobe; f. 1933; 1,000 specimens fine art, including noted Chinese ceramics and old bronze vases and silver-ware; Dir. JIHEI KANO; Curator TAKATOSHI MISUGI; publs. *Chinese Bronze Collections.*

IWATE PREFECTURE

Chūsonji Chinretsukan (*Museum in the Chusonji Temple*): Hiraizumi-mura, Nishi-Iwai-gun; 3,117 articles, including objects associated with the history of the locality and objects of natural science.

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KAGAWA PREFECTURE

Kotohira-gū Gakugeikan (*Museum in the Kotohira Shrine*): Kotohira-gū Shrine, Kotohira-machi, Nakatadogun; 3,011 exhibits; Chair. MITSUSHIGE KOTOOKA; Sec. HAZIME HIRAO KOTOHIRA.

KANAGAWA PREFECTURE

Hakone Art Museum: Gora, Kanagawa Pref.; f. 1952; private collection by M. Okada of Japanese and Chinese ceramic work of art; Dir. YOJI YOSHIOKA.

Kamakura Kokuhokan (*Kamakura Museum*): Hachimangu Shrine, 1034 Yukinoshita, Kamakura City; f. 1928; 680 valuable specimens of Japanese fine arts; Dir. SHIBUE JIRO.

Kanagawa Prefectural Modern Art Museum: 1051 Yukinoshita, Kamakura; f. 1952; Dir. RYOAKU MURATA.

Kanazawa Bunko (*Museum and Library*): Shomyoji Temple, 217 Kanazawa-machi, Yokohama City; Temple f. 1275; 680 articles, including various specimens of Japanese fine arts, 20,000 old books and 5,000 documents; nine national treasures (images of Buddha. etc.); Curator MASAO KUMAHARA.

KŌCHI PREFECTURE

Kóchi Kóen Kaitokukan (*Museum in Kóchi Park*): Marunouchi, Kóchi City; 800 exhibits, including autographs and material of interest in Japanese historical research.

MIE PREFECTURE

Iga Bunka Sangyó Kyókai (*Iga Art and Industry Institute*): 6, 1-Marunouchi, Ueno, Ueno City; 3,000 articles.

Jingū Chókokan (*Jingu Historical Museum*): Kuratayama, Ise-city; 1,734 exhibits, including treasures of the Grand Shrine of Ise (Naiku Shrine and Geku Shrine) and many objects of historical interest; library of 1,082 vols., MSS. and pictures; Dir. and Chief of Cultural Section of the Grand Shrine of Ise YASUJI AKIOKA.

Jingū Nogyōkan (*Agricultural Museum*): Kuratayama, Ise-city; f. 1905; 9,583 exhibits connected with agriculture, forestry, and fishing (including collection of over 40 species of shark); Dir. YASUJI AKIOKA.

MIYAZAKI PREFECTURE

Miyazakijingū Chókokan (*Historical Museum in the Miyazaki Shrine*): Miyazaki Shrine, Jingu-machi, Miyazaki City; 4,000 objects of historical and archæological interest.

NAGANO PREFECTURE

Matsumoto Kinenkan (*Matsumoto Historical Museum*): 2 Marunouchi, Matsumoto City; 45,000 exhibits of geological, historical and archæological interest; fine art.

NARA PREFECTURE

Hōryūji (*Hōryūji Temple*): Aza Hōryūji, Ikaruga-cho, Ikoma-gun, Nara Prefecture; a large number of Buddhist images and paintings; the buildings themselves are good examples of the architecture of various periods, such as the Asuka, Nara, Heian, Kamakura, Ashikaga, and Tokugawa periods.

Kasugataisha Hómotsuden (*Treasure Hall of the Kasugataisha Shrine*): Kasugataisha Shrine, Kasugano-cho, Nara City; f. 1934; the ancient, curvilinear style of architecture is called "Kasuga Zukuri" after this shrine; Shrine Master Tadamaro Miyagawa; Man-nyo Library of 4,000 vols.; publ. *Shrika* (The Deer).

Nara Kokuritsu Hakubutsukan (*Nara National Museum*): Noboriôji-chô, 50, Nara City; 1,465 objects of fine art from ancient days, many Buddhist sculptures and paintings; Dir. MOSAKU ISHIDA.

Tódaiji (*Treasure Hall of the Tódaiji Temple*): Zoshi-cho, Nara City; f. 752; 26 mems.; Daibutsuden: the world-famous Great Image of Buddha, a big bronze lantern, Two Deva Kings, and many other treasures and ancient documents; attached buildings are the Hokkedo, Kaidan-in, Nigatudo, which contain many famous images of Buddha; Shosoin Treasure House; 3,000 treasures and personal belongings of Emperor Shomu; Dir. TSUTSUI--EISHUN; library of 150,000 vols.; publ. *Nanto Bukkyó* (quarterly).

Yakushiji (*Yakushiji Temple*): Nishi-no-Kyō-machi, Nara City; famous bronze images of the Yakushi Trinity; a pagoda 1,300 years old.

Yamato Bunkakan Museum: Nara City; Dir. YUKIO YAZHIRO.

OKAYAMA PREFECTURE

Ohara Bijitsukan (*Ohara Art Gallery*): 312 Shinkawa-machi, f. 1930; ceramics and sculptures from Egypt, Persia and Turkey; European paintings of nineteenth and twentieth centuries; gallery of Japanese paintings; Curator TAKEUCHI-KIYOMO.

SHIMANE PREFECTURE

Koizumi-Yakumo Kinenkan (*Lafcadio Hearn Memorial Hall*): 322-4 Okudani-machi, Matsue City; 49 possessions of Lafcadio Hearn, 530 books and pictures.

SHIZUOKA PREFECTURE

Atami Art Museum: Atami; f. 1957; art collection of Okada Mokichi; paintings *Yuna*, early Ukiyo-e painting, *Red and White Plum Trees*, Korin Ogata, *Lady Under a Tree*, Tang Dynasty; Dir. YOSHIOKA YOJI.

TOTTORI PREFECTURE

San-in Rekishikan (*San-in Historical Museum*): Nishimachi, Yonago City; f. 1940; 23,500 exhibits, including specimens and material of value in historical and archæological research.

WAKAYAMA PREFECTURE

Kóyasan Reihókan (*Treasure Hall of the Kóyasan Temple*): Kóyasan Temple, Kóya-machi, Izu-gun; 5,000 exhibits, including Buddhist paintings and images, sutras and old documents.

YAMANASHI PREFECTURE

Minobusan Kuonji Hómotsuden (*Treasury of the Kuonji Temple*): Kuonji Temple, Minobu-machi, Minami-Koma-gun; 283 articles, examples of the fine arts, and materials connected with the history of the Nichiren Sect of Buddhism, the biography of Saint Nichiren.

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President: KYUJI TANIKAWA.
Director of Administration: RITSUHEI OKAMOTO.
Librarian: Prof. YOSHINORI YOSHITAKE.

Number of teachers: 603, including 163 professors.
Number of students: 4,740.

DEANS:

Faculty of Arts and Science: JIROKICHI NAGATOMO.
Faculty of Education: Prof. HIDEMASA YOSHINO.
Faculty of Medicine: MASAO SUZUKI.
Faculty of Pharmacy: AKIRA MINATO.
Faculty of Engineering: SEIJI TSUJII.
Faculty of Horticulture: TEINOSUKE KAWAMURA.

DIRECTORS:

Institute of Food Microbiology: KOOMEI MIYAKI.
University Hospital: HIROTAKE KAKEHI.
Junior Engineering College: KYUJI TANIKAWA.

GUNMA UNIVERSITY

280 IWAGAMICHO, MAEBASHI-CITY
Telephone: 4321-9
Founded 1949

President: SHUJI HASEGAWA.
Librarian: SHOEI ISEKI.

Number of teachers: 372.
Number of students: 2,554.

DEANS:

Faculty of Liberal Arts and Science: SEIICHIRO KAKISHITA.
Faculty of Medicine: KATSUHIRO SHIBATA.
Faculty of Engineering: KENJI IWAMOTO.

HIROSAKI UNIVERSITY

1 BUNKYO-CHO, AOMORI-KEN, HIROSAKI
Telephone: (2) 3241
Founded 1949

President: HIROSHI SATO.
Administrator: NOBUO UJI.
Librarian: HAJIME UCHIDA.
Director of the Hospital: YASABURO OIKE.

Number of teachers: 372.
Number of students: 2,034.
Publications: Handbooks, Bulletins of the Faculties, *Humanism and Society*.

DEANS:

Faculty of Science and Liberal Arts: TATSURO AKEBI.
Faculty of Education: TETSUTOSHI NAKAIZUMI.
Faculty of Medicine: TSUTOMU NAKAMURA.
Faculty of Agriculture: MUTSUO TERUI.
Students Department: MASAO IMAZAWA.

PROFESSORS:

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IMAZAWA, MASAO (English Literature).
INOUE, YUTAKA (Japanese Literature).
KASUMI, SHINZABURO (Philosophy).
KAWAKUBO, TEIRO (History).
KOBAYASHI, TOKISABURO (Economics).
KOJIMA, HISASHI (German Literature).
KUSAKABE, MASAYA (English Literature).
MANO, KENJI (Mathematics).
NAKAZAWA, JUN (Biology).
SAITO, TAKEO (Philosophy).
SATO, CHOEI (Chemistry).
SATO, MITSUO (Biology).
SHIMA, KUNIO (Japanese Literature).
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SUZUKI, SHIGEMITSU (Physics).
TABUSHI, KISABURO (Chemistry).
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UCHIDA, HAJIME (Biology).
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KOZUKA, TAKICHI (Living Science).
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IZUMI, YUKIO (Pediatrics).
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NAKAMURA, TSUTOMU (Physiology).
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OZAKI, TOSHIYUKI (Physiology).
SASAKI, NAOSUKE (Hygiene).
SATO, KOEI (Pathology).
SHINAGAWA, SHINRYO (Obstetrics and Gynæcology).
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The Library contains 633,991 vols.

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HITOSUBASHI UNIVERSITY

KUNITACHI-MACHI KITATAMA-GUN, TOKYO
Telephone: (0425) 7-1101

Founded 1875

President: TAIZO TAKAHASHI.
Registrar: TAKESHI NISHIKIORI.
Librarian: YUZO MORITA.

Number of teachers: 158.
Number of students: 2,382.

DEANS:

Faculty of Commerce: SHIGETAKA MOHRI.
Faculty of Economics: YUJI MURAMATSU.
Faculty of Law: JOHJI TAGAMI.
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NISHI 5, KITA 8, SAPPORO
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Founded 1918.

President: Dr. HARUSADA SUGINOME.
Administrator: KOICHIRO MIMASAKA.
Head of Student Advice Dept.: KEISAKU TAGUCHI.
Librarian: KOJIRO MIYAZAKI.

Number of professors: 249; students: 6,180.

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FUJIYAMA, HIDETOSHI (Ophthalmology).
HAYASHI, HEIZABURO (Pharmacy).
HIRANO, SHINJI (Oto-Rhino-Laryngology).
ITO, SHINJI (Physiology).
ITO, SHOICHI (Anatomy).
ITO, TAKASHI (Anatomy).
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MIURA, YUSHO (Dermatology).
MIZUNO, YOSHIHISA (Pharmaceutical Chemistry).
OGAWA, GEN-ICHI (Obstetrics and Gynæcology).
SAITO, GINJIRO (Forensic Medicine).
SAITO, SYOZO (Anatomy).
SHIMA, KEIGO (Orthopædics).
SUWA, NOZOMU (Psychiatry and Neurology).
TAKAKUWA, EIMATSU (Hygiene).
TAKASUGI, TOSHIO (Internal Medicine).
TAKEDA, KATSUO (Pathology).
TANABE, TSUNEYOSHI (Pharmacology).
TORII, TOSHIO (Internal Medicine).
TSUJI, ICHIRO (Urology).
WAKABAYASHI, MASARU (Radiology).
YAMADA, MORIHIDE (Bacteriology).
YAMADA, NAOMICHI (Pediatrics).
YAMADA, TOYOJI (Internal Medicine).
YASUDA, MORIO (Biochemistry).

Faculty of Technology:
ABE, ATO (Mining Machinery).
ARIE, MIKIO (Fluid Mechanics and Hydraulic Machinery).
ASAMI, YOSHIHIRO (Electrical Engineering).
CHUBACHI, TATSUO (Precision Machinery).
FUJII, CHUJI (Applied Mechanics).
FUKAZAWA, SHÓICHI (Automotive Engineering).
FUKUSHIMA HISAO (Engineering Science).
HAGIWARA, IWAO (Metallurgy).
HAYASHI, KUNIO (Electrical Engineering).
HAYASHI, TAKEO (Sanitary Engineering).
HORIE, GORÓ (Building Equipment Theory).
HOSHI, KOICHI (Precision Machinery).
IBAMOTO, KANICHIRO (Sanitary Engineering).
ISHIBASHI, MASAO (Applied Geology).
ISOBE, TOSHIRO (Coal Mining).
ITAKURA, CHUZO (Railway Engineering).
ITOH, MITSUOMI (Synthetic Organic Chemistry).
IZAWA, MASANOBU (Non ferrous Metallurgy).
KATAYAMA, TATSUO (Electromagnetics).
KISHI, TSUTOMU (Hydrography).
KOBAYASHI, HARUO (Chemical Reaction Engineering).
KOIKE, TOICHIRO (Electrical Power Engineering).
KON, TOSHIZO (Bridge Engineering).
KUGO, MASAO (Chemical Engineering).
KUNO, ROKUO (Technology of Machine Production).
KUROBE, TEIICHI (Electronics).
KUROIWA, TAMOTSU (Internal Combustion Engine).
KUWAHARA, RINZI (Sanitary Engineering).
MANAI, KÔZÔ (Railway Engineering).
MATANO, ASATARO (Electrical Machine Engineering).
MATSUMOTO, TADASHI (Electrical Engineering).
MIURA, RIOCHI (Automatic Control).
NAKAE, HITOSHI (Applied Physics).
NAKAMURA, TSUNEO (Precision Mechanics).
NISHI, SEIKI (Non-Ferrous Metallurgy).
NISHI, TADAO (Architectural Engineering).
NODA, SOROKU (Sanitary Engineering).
OHNO, KAZUO (Architectural Engineering).
OKAMOTO, GÔ (Electronics).
OTSUKA, HIROSHI (Chemical Engineering).
OZAKI, AKIRA (Harbour Engineering).
OZAWA, YASUTOMO (Nuclear Electronics).
SAITO, TAKESHI (Heat Engineering).
SAKAI, TADAAKI (Structural Dynamics).
SAKAMOTO, SABURO (Electrical Engineering).
TAKADA, YOSHIYUKI (Chemistry of Fats and Oils).
TAKEYA, GEN (Fuel Technology).
WATANABE, SADAYOSHI (Applied Chemistry).
YOKOMICHI, HIDEO (Concrete Engineering).
YOKOYAMA, TAKEO (Town Planning).
YOSHII, CHIKAO (Ferrous Metallurgy).

Faculty of Agriculture:
GONDAIRA, SHÔJI (Agricultural Machinery, Soil).
HANZAWA, MICHIO (Chemistry of Forest Products).
HASHIMOTO, YOSHIO (Milk and Meat).
HOSOKAWA, SADAJI (Industrial Crops).
ISHIZUKA, YOSHIAKI (Soil Science, Plant Nutrition and Fertilizer).
MATSUDA, TAKEO (Agricultural Policy).
MATSUMOTO, KYUKI (Animal Breeding).
MISHIMA, TSUTOMU (Forest Management).
MITAMURA, KENTARÔ (Cattle Husbandry).
MURAYAMA, DAIKI (Plant Pathology).
MURAI, NOBUO (Water Regulation and Erosion Control).
NAGAO, SEIJIN (Plant Breeding).
NAKAMURA, YUKIHIKO (Biochemistry).
OBATA, YATARÔ (Agricultural Technology).
SAITOH, YUICHI (Forest Management).
SAKIMOTO, YUKICHI (Leather Technology).
SASAKI, YUJI (Applied Mycology).
SAWADA, EIKICHI (Horticulture).
TAGAWA, TAKASHI (Plant Physiology).
TAGUCHI, KEISAKU (Agronomy).
TAKAKURA, SHINICHIRO (Agricultural Development).
TATEWAKI, MISAO (Botany, Forestry).
TSUNEMATSU, SAKAE (Agricultural Machinery).
UI, TADAO (Plant Pathology).
WATANABE, CHIHISA (General Entomology, Insecticides).
YAJIMA, TAKESHI (Agricultural Management).
YAZAWA, KAMEKICHI.
YOKOTA, RENICHI (Agricultural Meteorology).

Faculty of Veterinary Science:
HAGA, TADASHI (Animal Biochemistry).
HAMADA, SUKEKAZU (Veterinary Hygiene).
HIRATO, KATSUSHICHI (Animal Hygiene).

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HONMA, KEIZO (Animal Physiology).
ISHIKAWA, TSUNE (Veterinary Science).
MIURA, SHIRO (Animal Diseases).
OHYA, SHOJI (Internal Veterinary Medicine).
SAKAI, TAMOTSU (Surgery).
TAKAHATA, KURAHIKO (Animal Anatomy).
YAMAGIWA, SABURO (Comparative Animal Pathology).
YAMASHITA, JIRO (Animal Diseases).

Faculty of Fisheries:
HAMAI, IZUKO (Marine Biology).
HATTANDA, YOSHITSUNE (Seamanship).
HYUGA, MASAAKI (Navigation).
IGARASHI, HISANAO (Chemistry).
INOUE, NAOICHI (Physics, Fishing Methods).
KAWAHARA, HOSAKU (Marine Chemistry).
KOBAYASHI, KIICHIRO (Fishing Machinery).
KOBAYASHI, SHINJIRO (Ecology and Physiology).
KUROKI, TOSHIRO (Physics, Fishing Method).
KURUMA, TEIKICHI (Shipbuilding).
MOTODA, SIGERU (Planktology).
MURATA, KIICHI (Food Chemistry).
OKADA, SHUN (Marine Botany).
SAITO, SABURO (Embryology and Genetics).
SAITO, TSUNEYUKI (Chemistry).
SAKAI, MINORU (Microbiology).
TAMURA, TADASHI (Marine Animals and Algae).
TANIKAWA, EIICHI (Bacteriology).
TOKITA, JUN (Marine Botany).
YAMAMOTO, KIICHI (Freshwater Fish Culture).
YOSHIMURA, KATSUJI (Biochemistry).

IBARAKI UNIVERSITY

2127 WATARIMACHI, IBARAKI PREF. MITO
Telephone: (2) 4171.
Founded 1949

President: MASANOSUKE TSUZAKI.
Administrator: ATSUSHI FUJITA.
Librarian: MICHIHIRO ISHIHARA.

The Library contains 184,025 vols.
Number of teachers: 360.
Number of students: 3,410.

Publications (in Japanese): Bulletins and Journals of the faculties.

DEANS:

Student Affairs: NOZOMU SAKAI.
Faculty of Liberal Arts: CHIAKI OBA.
Faculty of Education: TADASHI FUTAKATA.
Faculty of Engineering: KAKUJIRO KANESAKI.
Faculty of Agriculture: KICHIHEI HIROSAWA.

KAGOSHIMA UNIVERSITY

UERATA-CHO, KAGOSHIMA
Telephone: (4) 3161
Founded 1949

President: TOKUSHI FUKUDA.
Secretary-General: YUTAKA NAKANO.

The Library contains 288,000 vols.
Number of teachers: 597.
Number of students: 4,162.

DEANS:

Faculty of Literature and Science: NOBUJIRO SAHEKI.
Faculty of Education: MITOSHI ITO.
Faculty of Agriculture: TAKESHI NAGATOMO.
Faculty of Fishery: SABURO MURAYAMA.
Faculty of Medicine: SEKIO MACHINO.
Faculty of Engineering: SADATOSHI OHARA.

KANAZAWA UNIVERSITY

OTMACHI 1, KANAZAWA CITY
Telephone: (3) 3171
Founded 1949

President: ISHIBASHI MASAYOSHI.
Secretary-General: KIYOSHI ONO.

The Libraries contain 322,966 vols.
Publications: Journals, Studies, Memoirs of the faculties.

DEANS:

Faculty of Law and Letter : OHARA HAJIME.
Faculty of Education: MIYOSHI SHINJI.
Faculty of Science: KAWASHIMA HIROSHI.
Faculty of Medicine: OKAMOTO HAJIME.
Faculty of Pharmacy: HIRAMOTO MINORU.
Faculty of Technology: KYODO MUTSUSHIGE.

KOBE UNIVERSITY

ROKKO, NADA-KU, KOBE
Telephone: Kobe (86) 0001-0006
Founded 1903

President: Dr. KEITARO FUKUDA.
Director of Administration: YOSHIHIKO TANAKA.
Dean of Students' Affairs: KATSUHIKO NISHIMURA.

The library contains 701,755 vols.
Number of professors: 145.
Number of students: 5,658.
Publications: *Journals* and *Reviews*.

DEANS:

Faculty of Law: MASAO ONOE.
Faculty of Literature: HARUO KOHZU.
Faculty of Science: OSAMU MINAGAWA.
Faculty of Education: YORITSUNE OHTA.
Faculty of Economics: HIROSHI SHINJOU.
Faculty of Business Administration: OTOJIROU KUBOTA.
Faculty of Engineering: WASABUROU JOHNO.
Director of Mikage Branch School: MITSUTOMO YUASA.
Director of Himeji Branch School: SHIGERU NAKAMURA.
Director of University Library: KAORU YUNOKI.
Director of Research Institute for Economics and Business Administration: SUSUMU WATANABE.

PROFESSORS:

Faculty of Literature:
ABE, MAKOTO (Japanese History).
HORI, YOSHIMOCHI (Sociology).
IMAI, RINTARO (Japanese History).
INO KENJI (Japanese History).
INOUE, MASUJIRO (Linguistics).
KATO, ICHIRO (German Literature).
KOZU, HARUO (Anglo-American Literature).
MITA, HIROO (History of Scientific Thought).
MORITA, TETSUO (Western History).
NAGAZUMI, YASUAKI (Japanese Language and Literature).
OKADA, SHOZO (Philosophy).
SHIDA, FUDOMARO (Sinology).
TAKEICHI, TATEHITO (Philosophy).
TANI, NOBUKAZU (Science of Art).
UCHIDA, GIMPU (Eastern History).
YAMANOTO, TADAO (Anglo-American Literature).

Faculty of Education:
ASAI, HIDEKIYO (Technology).
FUKUDA, TSUTOMU (English).
IGUMA, YOSHIHO (Music).
KANEYUKI, TAKESHIROU (Fine Arts).
KUSUNOKI, MICHITAKA (Japanese).
MIWA, KAZUTOSHI (Educational Methodology).
OGAWA, TARO (Educational History).
OHTA, YORITSUNE (Science).
SAMORI, NOBUO (Educational Hygiene).

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SATUO, MINBU (Science).
SHIOJIRI, KOHMEI (Social Studies).
TAKAGI, TAROU (Educational Administration).
TAKAHASHI, MITSUO (Technology).
TAKAHASHI, SEIKI (Educational Psychology).
YOSHIKAWA, KANICHI (Japanese).
YOSHITAKE, NATSUO (Social Studies).

Faculty of Law:
FAKUDA, TAIRA (Criminal Law).
FUKUMITSU, IEYOSHI (Economic Law).
HAYAKAWA, TAKEO (Anglo-American Law).
KAWAKAMI, TAROU (Private International Law).
KUBOTA, HIROSHI (Maritime Law).
KUNITOSHI, TANEOMI (Commercial Law).
NISHIKAWA, TOMOKAZU (Political Science).
ONOE, MASAO (International Law).
OHTAKE, HIDEO (History of Law).
TAWARA, SHIZUO (Constitutional Law).
YAGI, HIROSHI (Commercial Law).
YAMADA, YUKIO (Administrative Law).
YAMAKIDO, KOKKI (Civil Procedure).
YUNOKI, KAROU (Civil Law).

Faculty of Economics:
FUJII, SHIGERU (International Economics).
HAYASHI, JIICHI (Economics).
IEMOTO, HIDETAROU (Statistics).
KITANO, YUKIO (Economics).
MATSUNO, KENGO (Public Finance).
MINAKATA, KANICHI (Economics).
MIYASHITA, TADAO (Foreign Economy).
NIINO, KOUJIROU (Economics).
SHINJOU, HIROSHI (Monetary Economics).
SHINPO, HIROSHI (Economic History).
YAMASAKI, GISABUROU (Economic Policy).
YAMASE, ZENICHI (Economic History).
YAO, JIROU (Monetary Economics).

Faculty of Business Administration:
ARAKAWA, YUUKICHI (Commercial Science).
ICHIHARA, KIICHI (Business Administration).
INABA, NOBORU (Industrial Management).
IRIE, ITAROU (Foreign Trade).
KAMIBAYASHI, MASANORI (Commercial Science).
KOBAYASHI, YOSHIMOTO (Business Administration).
KUBOTA, OTOJIROU (Accounting).
MIZOGUCHI, KAZUO (Cost Accounting).
NOMURA, TORASABOROU (Transportation).
SUGURO, HIROSHI (Insurance).
SUMINOE, SAICHIROU (Securities).
TAKENAKA, TATSUO (Administrative Morphology).
TANBA, YASUTAROU (Business Finance).
TODA, YOSHIROU (Book-keeping).
YAMASHITA, KATSUJI (Tax Accounting).

Faculty of Science:
FUJII, SUKEICHI (Biology).
FUKAZAWA, HIROSUKE (Biology).
HASHIMOTO, JUNJI (Mathematics).
HIROSE, HIROYUKI (Biology).
ISEKI, KIYOSHI (Mathematics).
KAMEDA, TADASHI (Physics).
KANDA, TEINOSUKE (Physics).
KINUGASA, TOSHIO (Chemistry).
MINAKAWA, OSAMU (Physics).
SATOU, TOKUI (Mathematics).
TANIKAWA, YASUTAKA (Physics).
TSUCHIHASHI, SHOJI (Chemistry).
UHARA, ICHIROU (Chemistry).
URA, TAROU (Mathematics).

Faculty of Engineering:
ABE, KENJI (Electric Engineering).
AKAGAWA, KOUJI (Mechanical Engineering).
BAN, KIYOSHI (Architecture).
BOU, HIROSHI (Electric Engineering).
GYOUTEN, YOSHIHISA (Architecture).
HATANAKA, MOTOHIRO (Civil Engineering).
HAYAMI, KEIJI (Mechanical Engineering).
HORIGUCHI, HIROSHI (Industrial Chemistry).
INOUE, YOSHIKAME (Industrial Chemistry).
JOHNO, WASABUROU (Industrial Chemistry).
KAWAI, EYOJI (Mechanical Engineering).
KUBO, TADAO (Applied Mathematics).
KURODA, KAZUYUKI (Instrumentation Engineering).
MAEKAWA, JUNICHI (Architecture).
NAGATA, SABUROU (Applied Physics).
NAKAGAMI, MINORU (Electric Engineering).
NARUTAKI, RYONOSUKE (Mechanical Engineering).
NOJI, SHUZA (Architecture).
OKU, MASAMI (Industrial Chemistry).
OMURA, HIROSHI (Civil Engineering).
SAKURAI, SUEO (Civil Engineering).
SHINDOU, AKIO (Mechanical Engineering).
SHIBATA, KEIZOU (Instrumentation Engineering).
TANAKA, KOHKICHI (Electric Engineering).
TANAKA, SHIGERU (Civil Engineering).
TANIMOTO, KIICHI (Civil Engineering).
TORITA, IEHIRO (Architecture).
TSUNODA, YOSHIHIRO (Electric Engineering).
TOYODA, MINORU (Instrumentation Engineering).
YAMAMOTO, AKIRA (Mechanical Engineering).

The University is responsible for a Research Institute for Economics at Kobe and for Branch Schools at Mikage and Himeji.

KUMAMOTO UNIVERSITY

KUROKAMI-MACHI, KUMAMOTO
Telephone: Kumamoto (4) 2121, 2131.
Founded 1949

President: HIROTO HONDA.
Chief Administrative Officer: MORIHEI TSUKAMOTO.

The Library contains 361,856 vols.
Number of teachers: 557.
Number of students: 4,478.

DEANS:

Faculty of Law and Literature: TATSUMI TAKANO.
Faculty of Education: KAZUO KOBA.
Faculty of Science: AKIRA NOGUCHI.
Faculty of Medicine: MASACHIKA KUTSUNA.
Faculty of Pharmacy: SUSUMO NONOMURA.
Faculty of Engineering: HIROE USHIO.

KYOTO UNIVERSITY

YOSHIDA-HOMMACHI, SAKYO-KU, KYOTO
Telephone: (77) 8111
Founded 1897.

President: KO HIRASAWA.
Director of Administrative Bureau: MINORU YOKOTA.

Number of professors: 429.
Number of students: 10,583.

DEANS:

Faculty of Law: JUNICHI NAKATA.
Faculty of Letters: ATSUUJI ASHIKAGA.
Faculty of Economics: TOSHIYOSHI OKABE.
Faculty of Medicine: ISOO HORII.
Faculty of Science: SHOITIRO HAYAMI.
Faculty of Engineering: BUSUKE HUDIMOTO.
Faculty of Agriculture: AZUMA OKUDA.
Faculty of Education: TOSHIAKI SHIGEMATSU.
Faculty of Pharmacy: MASAO TOMITA.
School of Liberal Arts: MINORU SHIBATA.

PROFESSORS:

Faculty of Law:
FUKUSHIMA, TOKUJURO (Political Science).
HAYASHI, RYOHEI (Civil Law).
HIRABA, YASUHARU (Criminal Law and Procedure).
INOKI, MASAMICHI (Political History).
INOKUMA, KANESHIGE (Japanese Legal History).
ISOMURA, TETSU (Civil Law).

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KATAOKA, NOBURO (Industrial Law).
KATO, SHIMPEI (Jurisprudence).
MICHIDA, SHINICHIRO (English Law).
MIYAUCHI, HIROSHI (Criminal Law).
NAGAHAMA, MASATOSHI (Administrative Law).
NAKATA, JUNICHI (Civil Procedure Law).
OHO, FUJIO (Civil Law).
OISHI, YOSHIO (Constitutional Law).
OMORI, TADAO (Commercial Law).
OSUMI, KENICHIRO(Maritime Law).
SAITO, TAKEO (International Private Law).
SUGAI, SHUICHI (Administrative Law).
SUGIMURA, TOSHIMASA (Administrative Law).
TABATA, SHIGEJIRO (International Public Law).
TAMEIKE, YOSHIO (German Law).
TANAKA, KANETOMO (Roman Law).
TATSUKAWA, FUMIHIKO (Diplomatic History).
UEYANAGI, KATSURO (Commercial Law).

Faculty of Letters:
AKAMATSU, TOSHIHIDE (Japanese History).
ARIGA, TETSUTARO (Science of Religion).
ARIMITSU, KYOICHI (Archaeology).
ASHIKAGA, ATSUUJI (Sanscrit Language and Literature).
ENDO, YOSHIMOTO (Japanese Language and Literature).
HASUMI, SHIGEYASU (History of Art).
IBUKI, TAKEHIKO (Western Literature).
IJIMA, TSUTOMU (Æsthetics, History of Art).
INOUE, CHIYU (History and Geography).
IZUI, HISANOSUKE (Philology).
KOBATA, ATSUSHI (Japanese History).
KUDO, YOSHIMI (Western Literature).
MAEKAWA, TEIJIRO (Occidental History).
MATSUO, GIKAI (Philosophy, History of Philosophy).
MIYAZAKI, ICHISADA (Oriental History).
NAGAO, GAJIN (Religion).
NAKANISHI, NOBUTARO (Western Literature).
NISHITANI, KEIJI (Religion).
NODA, MATAO (Philosophy, History of Philosophy).
NOGAMI, SOICHI (Italian Language and Literature).
NOMA, KOSHIN (Japanese Language and Literature).
ODA, TAKEO (History and Geography).
OGAWA, TAMAKI (Chinese Language and Literature).
OGOSHI, KAZUSO (English Language and Literature).
OYAMA, SADAICHI (Western Literature).
SAEKI, TOMI (Oriental History).
SHIGEZAWA, TOSHIO (Philosophy, History of Philosophy).
SHIMA, YOSHIO (Ethics).
SONOHARA, TARO (Western Literature).
TAKATA, SABURO (Philosophy, History of Philosophy).
TAKEUCHI, YOSHINORI (Religion).
TAMURA, JITSUZO (Oriental History).
TANAKA, MICHITARO (Philosophy, History of Philosophy).
USUI, JISHO (Sociology).
YOSHIKAWA, KOJIRO (Chinese and Chinese Literature).

Faculty of Economics:
AOYAMA, HIDEO (Statistics).
DEGUCHI, YUZO (Economics).
HORIE, HIDEICHI (Oriental Economic History).
HORIE, YASUZO (Economic History).
HOZUMI, FUMIO (Japanese Economic History).
KISHIMOTO, EITARO (Economics).
KISHIMOTO, SEIJIRO (Principles of Economics).
MATSUI, KIYOSHI (Economics).
NAKATANI MINORU (Economics)
OKABE, TOSHIYOSHI (Economics).
SAWA, SEMPEI (Economics).
SHIMA, YASUHIKO (Science of Revenue).
SHIZUTA, HITOSHI (Economics).
TASUGI, KISOU (Economics).
TOYOSAKI, MINORU (Economic Policy).
YAMAMOTO, YASUZIRO (Business Administration).
YAMAOKA, RYOICHI (Industrial Administration).

Faculty of Medicine:
ARAKI, CHISATO (Surgery).
ARAKI, TATSUNOSUKE (Physiology).
ASAYAMA, RYOJI (Ophthalmology).
FUJIHARA, MOTONORI (Hygiene).
FUKUDA, MASASHI (Radiology).
GOTO, MITSUHARU (Oto-Rhino-Laryngology).
HAYAISHI, OSAMU (Medical Chemistry).
HORII, ISOO (Anatomy).
INADA, TSUTOMU (Urology).
INAMOTO, AKIRA (Anæsthetics).
INOUE, AKIRA (Physiology).
KONDO, EISHI (Orthopædics).
MAEGAWA, MAGOJIRO (Internal Medicine).
MINOGUCHI, GEN (Oral Surgery).
MIYAKE, TADASHI (Internal Medicine).
MURAKAMI, MASASHI (Psychiatry).
NAGAI, HIDEO (Pædiatrics).
NISHIMURA, HIDEO (Anatomy).
NISHIMURA, TOSHIO (Gynæcology and Obstetrics).
NISHIO, MASAHICHI (Public Health).
NISHIURA, MITSUGO (Dermatology).
OKAMOTO, KOZO (Pathology).
OKAMOTO, MICHIO (Anatomy).
SHIMAMOTO, KIRO (Pharmacology).
SUGAHARA, TSUTOMU (Experimental Radiology).
SUZUE, KITASU (Pathology).
TABEI, KANATU (Microbiology).
WAKISAKA, GYOICHI (Internal Medicine).
YAMADA, HAJIME (Pharmacology).

Faculty of Science:
ASHIDA, JOJI (Botany).
FUJINAGA, TAICHIRO (Analytical Chemistry).
GOTO, RYOZO (Chemistry).
HATUDA, ZIN'ITIRO (Geological Physics).
HAYAMI, SHOICHIRO (Geophysics).
HAYASHI, CHUSHIRO (Nuclear Energy).
ICHIKAWA, MAMORI (Zoology).
IMANISHI, KINJI (Anthropology).
ITO, KIYOSHI (Applied Mathematics).
KACHI, SUKEJI (Metallography).
KIMURA, KIICHI (Physics).
KITAMURA, SHIRO (Botany).
KOBAYASHI, MINORU (Physics).
KOBORI, AKIRA (Mathematics).
KODERA, KUMASABURO (Inorganic Chemistry).
KOMATSU, ATSUO (Mathematics).
MATSUBARA, TAKEO (Applied Mathematics).
MATSUSHITA, SUSUMU (Historical Geology).
MIKI, HARUO (Seismology).
MIYAJI, DENZABURO (Zoology).
MIYAMOTO, MASATARO (Cosmophysics).
MIZOHATA, SIGERU (Mathematics).
MORI, SYUITI (Zoology).
NAKAMURA, KENJI (Zoology).
NAKAZAWA, KEIJI (Geology).
NISHIMURA, EIICHI (Geophysics).
OSUGI, JIRO (Physical Chemistry).
OZAWA, IZUO (Geophysics and Applied Geophysics).
SASA, KENZO (Geophysics).
SHIDEI, TSURAHIKO (Physics).
SHIMIZU, TSUTOMU (Spherical Astronomy).
SHINKE, NAMIO (Botany).
TAKAGI, HIDEO (Special Metals).
TAKAHASHI, ISAO (Physics).
TAMURA, YUICHI (Terrestrial Magnetism and Electricity).
TANAKA, KENZO (Physics).
TANAKA, SHOZO (Biochemistry).
TOMITA, KAZUHISA (Theoretical Physics).
TOMOCHIKA, SUSUMU (Physics).
UCHIDA, YOICHI (Radiation and Physics).
UENO, SUEO (Cosmophysics).
UTINOMI, HUZIO (Marine Biology).
YAMAMOTO, TSUNENOBU (Quantum Chemistry).
YOSHIZAWA, HAJIME (Petrology).
YUKAWA, HIDEKI (Physics).

Faculty of Engineering:
AIDA, TOSHIO (Mechanical Engineering).
AKAI, KOICHI (Construction Machinery).
ARAKI, GENTARO (Industrial Chemisrty).
ENDO, KICHIRO (Mechanical Engineering).
FUJINO, KIYOHISA (Polymer Chemistry).
FUKUI, KENICHI (Fuel Chemistry).
FUKUYAMA, TOSHIO (Architecture).
FUNASAKA, WATARU (Industrial Chemistry).
FURUKAWA, JUNJI (Chemistry of High Polymer).
GODA, TAKESHI (Water Works and Sewerage).
GOTO, HISAO (Civil Engineering).
HAGIWARA, HIROSHI (Computer Engineering).
HAYASHI, CHIHIRO (Electrical Engineering).

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HAYASHI, SHIGENORI (Electrical Engineering).
HIRAMATSU, YOSHIO (Mining).
HORIO MASAO (Fibre Chemistry).
HUDIMOTO, BUSUKE (Aeronautical Engineering).
IKENOUE, JUNICHI (Electrical Engineering).
ISHIHARA, TOJIRO (Civil Engineering).
IWAI, SHIGEHISA (Civil Engineering).
KAMIMOTO, GORO (Mechanical Engineering).
KAWAMOTO, MINORU (Mechanical Engineering).
KIYONO, TAKESHI (Geophysical Prospecting).
KOKADO, JUNICHI (Mining Machinery).
KOMETANI, EIJI (Civil Engineering).
KONDO, BUNJI (Electrical Engineering).
KONDO, YOSHIO (Metallurgy).
KONISHI, ICHIRO (Civil Engineering).
KUMATA, MAKOTO (Organo-metallic Compounds).
KUNII, SHUNJIRO (Advanced Mathematics).
KUNUGI .MASANAGA (Industrial Chemistry).
MAEDA, KENICHI (Electrical Engineering).
MAEDA, TOSHIO (Architecture).
MATSUO, SHINICHIRO (Civil Engineering).
MICHIYOSHI, ITARU (Nuclear Reactor Engineering).
MIZUSHINA, TOKURO (Chemical Engineering).
MORI, HARUO (Mechanical Engineering).
MORI, TOSHISADA (Metallurgy).
MORITA, SHIRO (Metallurgy).
MORIYAMA, JYOICHIRO (Metallurgy).
MUKAI, SHIGERU (Mining).
MURAKAMI, YOTARO (Metallurgy).
NAGAO, FUJIO (Mechanical Engineering).
NAGATA, SHINJI (Mechanical Engineering).
NAKAGAWA, YUZO (Chemical Engineering).
NAKAJIMA, AKIO (Polymer Chemistry).
NARUOKA, MASAO (Construction Dynamics).
NISHIHARA, HIROSHI (Electronics).
NISHIHARA, KIYOKADO (Metallurgy).
NISHIYAMA, UZO (Architecture).
OBAYASHI, TATSUZO (Ionosphere and Space Science).
ODA, RYOHEI (Industrial Chemistry).
OHIGASHI, SHUNICHI (Mechanical Engineering).
OISHI, JUN (Nuclear Chemical Engineering).
OKADA, KIYOSHI (Civil Engineering).
OKAMURA, KENJIRO (Mechanical Engineering).
OKAMURA, SEIZO (Fibre Chemistry).
OKUBO, TATSURO (Applied Physics).
OKUSHIMA, KEIJI (Mechanical Engineering).
OTANI, YASUYUKI (Electrical Engineering).
SAKAI, TOSHIYAKI (Electrical Engineering).
SAKISAKA, MASAKATSU (Nuclear Physics and Nuclear Instruments).
SAKURADA, ICHIRO (Fibre Chemistry).
SASAKI, TOKIO (Mechanical Engineering).
SATO, TAKASHI (Mechanical Engineering).
SAWAMURA, TAIZO (Mechanical and Electro-Hydraulic Servo-mechanisms, Automation for Process Control Systems).
SAWARAGI, YOSHIKAZU (Applied Physics).
SHINGU, HARUO (Fuel Chemistry).
SHISHIDO, KEIICHI (Industrial Chemistry).
SHOJI, HIKARU (Hygiene).
TAIRA, SHUJI (Mechanical Engineering).
TAKAMATSU, TAKEICHIRO (Plant Engineering).
TAKAMURA, JUNICHI (Metallurgy).
TAKEGAMI, YOSHINOBU (Fuel Chemistry).
TAKIMOTO, KIYOSHI (Economic Geology).
TAMADA, KO (Aeronautic Engineering).
TAMURA, MIKIO (Industrial Chemistry).
TANAHASHI, RYO (Architecture).
TANAKA, KICHINOSUKE (Aeronautical Engineering).
TARAMA, MIKIO (Fuel Chemistry).
TOEI, RYOZO (Chemical Engineering).
TOKUMURA, HIDEKATSU (Visco-Elasticity and Solid Mechanics).
TSURUTA, TEIJI (Catalysts in Organic Chemistry).
YAMADA, HIKOJI (Advanced Mathematics).
YAMAGUCHI, MASAYA (Mathematics).
YOKOO, YOSHITSURA (Architecture).
YOSHIDA, FUMITAKE (Chemical Engineering).
YOSHIOKA, NAOYA (Chemical Engineering).
YOSHIZAWA, SHIRO (Industrial Chemistry).
YOSHIZUMI, EISABURO (Physical Prospecting).

Faculty of Agriculture:
AKAI, SHIGEYASU (Phytopathology).
ENDO, RYUICHI (Forestry Engineering).
FUJIOKA, YOSHIKAZU (Agricultural Engineering).
HASEGAWA, HIROSHI (Crop Science).
IMAMURA, SHUN'ICHIRO (Applied Botany).
KANZAKI, HIROCHIKA (Agricultural Management).
KASHIWA, SUKEKATA (Agricultural Science).
KAWAGUCHI, KEISABURO (Agricultural Biochemistry).
KAWAKAMI, TASAE (Fisheries).
KIMATA, MASAO (Fisheries).
KOBAYASHI, AKIRA (Horticulture).
KUWABARA, MASANOBU (Agricultural Accountancy).
MASUDA, SHOZO (Agricultural Machinery).
MATSUBARA, KIYOMATSU (Fisheries).
MISUHASHI, TOKIO (Agricultural History).
MITSUDA, HISATERU (Nutritive Chemistry).
MITSUI, TETSUO (Manufacture of Agricultural Products).
NAKAJIMA, CHIHIRO (Agricultural Administration).
NAKAJIMA, WANORU (Agricultural Chemistry).
NAKATO, KANZI (Forestry).
NISHIKAWA, YOSHIMASA (Animal Husbandry).
NISHIYAMA, ICHIRO (Genetics).
OGATA, KOICHI (Physiology of Fermentation and Industrial Microbiology).
OKAZAKI, AYAAKIRA (Forestry).
OKUDA, AZUMA (Soil Science).
ONODERA, KONOSHIN (Agricultural Biochemistry).
SANO, SOICHI (School Forest).
SAWADA, TOSHIO (Agricultural Engineering).
SHAKUDO, KATSUMI (Animal Breeding).
SHIDEI, TSUNAHIDE (Forestry).
SHIMIZU, WATARU (Fisheries).
SUGIHARA, HIKOICHI (Forestry).
TACHI, ISAMU (Forest Chemistry).
TSUKAMOTO, YOTARO (Horticulture).
UCHIDA, SHUNRO (Entomology).
UESAKA, SHOJI (Animal Husbandry).

Faculty of Education:
AJISAKA, TSUGIO (Educational Curriculum).
HIMEOKA, TSUTOMU (Social Education).
IKEDA, SUSUMU (Educational Administration).
KATAOKA, HITOSHI (Educational Guidance).
KURAISHI, SEIICHI (Educational Psychology).
SAGARA, IICHI (Education Administration).
SHIGEMATSU, TOSHIAKI (Social Education).
SHINOHARA, YOJI (History of Education).
SHITAHODO, YUKICHI (Principles of Education).

Faculty of Pharmacy:
INOUYE, HIROYUKI (Phytochemistry).
KAKEMI, KIICHIRO (Pharmacy).
KIMURA, KOITI (Pharmacognosy).
NAKAGAKI, MASAYUKI (Inorganic Chemistry).
OKADA, JUTARO (Pharmaceutical Engineering).
SUZUKI, TOMOJI (Biochemistry).
TAKAGI, HIROSHI (Pharmacology).
TOMITA, MASAO (Organic Chemistry).
UNO, TOYOZO (Analytical Chemistry).
UYEO, SHOJIRO (Manufacturing Chemistry).

KYUSHU UNIVERSITY

HAKOZAKI, FUKUOKA CITY,
FUKUOKA PREFECTURE
Telephone: Fukuoka (65) 0431.
Founded 1910.

President: MUNENORI ENJOJI, D.M.S.
Administrator: TSUTOMU KAWAI.
Librarian: TOSHIO KITAGAWA.

Number of teaching staff: 639, including 266 professors.
Number of students: 6,148 male, 447 female, total 6,595.

DEANS:

Faculty of Literature: KATSUMI TAKIZAWA.
Faculty of Education: KAZUYOSHI IKEDA.
Faculty of Law: KAZUO HAMADA.
Faculty of Economics: NOBUYA TAKAGI.
Faculty of Science: TOYOFUMI YOSHIMURA.
Faculty of Medicine: TAMIKAZU AMAKO.
Faculty of Engineering: YOSHIO OSUMI.

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Faculty of Agriculture: KAZUO YAMAFUJI.
General Education Department: NAOKI TOIDA.
Dean of Students: TOSHIYUKI HARA.

PROFESSORS:

Faculty of Literature:
AKISHIGE, YOSHIHARU (Psychology).
FUKUDA, YOSHISUKE (Japanese Literature).
HINO, KAIZABURO (Oriental History).
KAGAMIYAMA, TAKESHI (Archæology).
KOBAYASHI, EIZABURO (Occidental History).
MAEKAWA, SHUN-ICHI (English Literature).
MATSUNAMI, SEIREN (Indian Philosophy).
MEKADA, MAKOTO (Chinese Literature).
NAGATA, EIICHI (French Literature).
NAITO, KANJI (Sociology).
NAKAMURA, YUKIHIKO (Japanese Literature).
SHINJO, TSUNEZO (Aesthetics).
TAKAHASHI, GIKO (German Literature).
TAKIZAWA, KATSUMI (Ethics).
TANIGUCHI, TETSUO (Aesthetics, History of Fine Arts).
YAMAMOTO, KIYOYUKI (Philosophy).
YAMAMURO, SABURO (Philosophy).
YANAI, KENJI (Japanese History).

Faculty of Education:
HARA, TOSHIYUKI (Educational Methods).
HIRATSUKA, MASUNORI (History of Education).
IKEDA, KAZUYOSHI (Educational Psychology).
ISHII, JIRO (Education).
MASUI, SHIGEO (Comparative Education).
SEKI, KAZUO (Educational Psychology).
USHIJIMA, YOSHITOMO (Educational Psychology).

Faculty of Law:
AOYAMA, MICHIO (Civil Law).
FUNAHASHI, JUNICHI (Civil Law).
GUSHIMA, KANESABURO (Political History, Diplomatic History).
HAMADA, KAZUO (Commercial, English, American Law).
HAYASHIDA, KAZUHIRO (Constitutional and Administrative Law).
INOUE, MASAJI (Criminal Law).
ITO, FUJIO (International Law).
TAKATA, GENSEI (Commercial Law).
TAKEWARA, YOSHIBUMI (Political Science).
YOSIDA, MITIYA (Legal History).

Faculty of Economics:
BABA, KATSUZO (Business Economics).
KURIMURA, YUKICHI (Principles of Economics).
OKAHASHI, TAMOTSU (Theory of Money).
SHODA, SEIICHI (Industrial Policy, Social Policy).
SOEDA, MITSUKI (Business Economics).
TAKAGI, KOZIRO (Economic Trends).
TAKAGI, NOBUYA (History of Economics).
TAKAHASHI, MASAO (Statistics).
TANAKA, SADAME (Agricultural Policy).

Faculty of Science:
CHIBA, YASUTANE (Plant Physiology).
HAGA, TUTOMU (Cytology and Genetics).
HOSOKAWA, TAKAHIDE (Plant Ecology).
IMANISHI, SUNAO (Quantum Chemistry).
IZUMIYA, NOBUO (Biochemistry).
KAWAKAMI, IZUMI (Biology).
KITAGAWA, TOSIO (Mathematics).
KUDO, TATUZI (Algebra).
KUWABARA, MASUTARO (Animal Physiology).
MARUYAMA, GISIRÔ (Mathematics).
MATSUMOTO, TATSURO (Geology, Palæontology).
MATSUSHITA, HISAMICHI (Crystallisation, Mineralogy).
MATSUURA, RYOHEI (Physical Chemistry).
MIDUNO, ZEN'EMON (Physics).
MISUMI, SEIZO (Inorganic Chemistry).
OKADA, TOSHIHIRO (Solid State Physics).
OZAKI, SHOJI (Physics).
SAWADA, RYUKITI (Physics).
SHIBUYA, YOSHIO (Physics).
SIBAGAKI, WASAO (Mathematics).
SUGURI, TSUNEO (Geometry).
TANAKA, TOMOYASU (Physics).
TOMITA, TOORU (Petrology).
TORIYAMA, RYUZO (Geology).
YOSHIMURA, JUN (Analytical Chemistry).
YOSHIMURA, TOYOFUMI (Crystallisation, Mineralogy).
YOSHINO, TAMOTSU (Organic Chemistry).

Faculty of Medicine:
AMAKO, TAMIKAZU (Orthopædic Surgery).
ENDO, HIDEYA (Medical Chemistry).
FUJINO, HIROSHI (Dentistry and Oral Surgery).
GOTO, MASAYOSI (Physiology).
HAMANA, MASATOMO (Pharmacy).
HASHIMOTO, MICHIO (Pathology).
HIGUCHI, KENTARO (Dermatology).
IKEMI, YÚJIRO (Psychosomatic Medicine).
IKUI, HIROSHI (Ophthalmology).
IMAI, TAMAKI (Pathology).
IRIE, HIDEO (Radiotherapy).
KATSUKI, SHIBANOSUKE (Internal Medicine).
KAWASAKI, TOSHIO (Pharmacy).
KAWATA, MASAITI (Oto-Rhino-Laryngology).
KOGA, KOHACHIRO (Gynæcology and Obstetrics).
KURATUNE, MASANORI (Public Hygiene).
MAKISUMI, SABURO (Legal Medicine).
MASUYA, TOMIICHI (Internal Medicine).
MATSUMURA, HISAKICHI (Pharmacy).
MIYAKE, HIROSI (Surgery).
MIYAZAKI, ICHIRO (Parasitology).
MOMOSE, TSUTOMU (Analytical Chemistry).
MORI, MASARU (Anatomy).
NAGAYAMA, TOKURO (Pediatrics).
NUKI, BUNZABURO (Pharmacology).
SAIKACHI, HARUO (Pharmaceutical Industry).
SAKURAI, TONAO (Psychiatry).
SARUTA, NAMIO (Hygiene).
SUGIYAMA, KOTARO (Internal Medicine).
TAGUCHI, TANEZO (Pharmaceutical Chemistry).
TODA, TADAO (Bacteriology).
TOIDA, NAOKI (Physiology).
TOMIKAWA, RYÔJI (Urology).
TOMODA, MASANOBU (Surgery).
TSUKAMOTO, HISAO (Forensic Chemistry).
WASANO, TAKEO (Anatomy).
YAMADA, EICHI (Anatomy).
YAMAOKA, KENZI (Internal Medicine).

Faculty of Engineering:
ARAKI, MASAO (Sanitary Engineering).
ASANO, GORO (Applied Geology).
ASO, CHUJI (Organic Synthesis).
ASO, KINJIRO (Mining).
FUTAGAMI, TETSUGORO (Applied Science).
HASEGAWA, SHU (Atomic Pile Engineering).
HIRANO, FUJIRO (Mechanical Engineering).
HOKARI, SHIRO (Electrical Engineering).
INOUE, SHOSUKE (Shipbuilding).
IRIE, FUJIO (Electronics).
ISHIBASHI, TADASHI (Material Dynamics).
ITO, HISASHIC (Metallurgy).
IWASAKI, MATSUNOSUKE (Aeronautical Engineering).
KAIEDA, HIROYA (Metallurgy).
KASAI, TAIJIRO (Mechanical Engineering).
KASUGA, YASUO (Production Mechanical Engineering).
KAWASHIMA, SUKEO (Lighting).
KIMPARA, MAKOTO (Applied Mathematics).
KURIHARA, TOSIHIKO (Electrical Engineering).
MATSUDA, KIMIO (Metallurgy).
MATSUDA, TSUTOMU (Organic Synthesis).
MATSUO, HARUO (Civil Engineering).
MIKAMI, MISAO (Applied Dynamics).
MITSUYASU, AKIRA (Aerodynamics).
MIYAZOE, YASUSHI (Electrical Engineering).
MIZUNO, TAKAAKI (Civil Engineering).
MORI, NOBUMITU (Communication Engineering).
MURAKAMI, TADASHI (Structural Mechanics).
NISHIKAWA, KANEYASU (Mechanical Engineering).
NODA, KENZABURO (Electrical Engineering).
NOGUCHI, TAKASHI (Geophysics).
NOMURA, YOSIHUMI (Architectural Planning).
OHASHI, AKIO (Electrical Engineering).
OISI, YASUMITI (Atomic Pile Materials).
ONOYAMA, TAKUJI (Applied Science).
OONO, YOSIRO (Communication Engineering).
OSUMI, YOSHIO (Mining).
OTA, SEIROKU (Architecture).

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Oyama, Tomo-o (Physical Chemistry).
Sakai, Wataru (Applied Chemistry).
Sato, Hiroshi (Industrial Dynamics).
Seiyama, Testsuro (Applied Chemistry).
Sekihara, Takeo (Architecture).
Shimizu, Hiroshi (Mechanical Engineering).
Shinohara, Hisashi (Chemical Mechanical Engineering).
Smita, Jukiti (Architectural Engineering).
Sonoda, Masateru (Applied Nuclear Physics).
Suhara, Jiro (Shipbuilding).
Takata, Masaru (Automatic Control).
Takayanagi, Motowo (Applied Chemistry).
Tamati, Tuneo (Electrical Engineering).
Tanaka, Takehide (Rubber Technology).
Tsuge, Morio (Mechanical Engineering).
Tsuzji, Setsuzo (Theory of Electricity).
Uchida, Ichiro (Statics).
Ueno, Keihei (Applied Chemistry).
Ueno, Keizo (Shipbuilding).
Ueno, Taku (Machine Design for Production).
Watanabe, Nobuo (Mechanics).
Yagi, Teinosuke (Metallurgy).
Yamagata, Kiyoshi (Mechanical Engineering).
Yamakoshi, Michio (Naval Architecture).
Yamasaki, Tokuya (Structure Dynamics).
Yanagase, Tsutomu (Metallugy).
Yasuura, Kamenosuke (Communication Engineering).
Yoneyama, Masao (Telecommunication).
Yoshikawa, Hirosaku (Industrial Mathematics).

Faculty of Agriculture:
Akune, Satoru (Agricultural Chemistry).
Ando, Norihide (Zootechny).
Aomine, Shigenori (Soil Science).
Ehara, Kaoru (Botany).
Fukushima, Eiji (Horticulture).
Funatsu, Masaru (Biochemistry).
Harada, Togoro (Agricultural Chemistry).
Hayashi, Teijiro (Sericulture).
Hongo, Motoyoshi (Zymology and Industrial Fermentation).
Inoue, Yoshisuke (Forestry).
Iwakata, Isoo (Farm Management).
Katayama, Tsukuda (Crops).
Kato, Yoshitaro (Zootechny).
Kondoo, Tamio (Forestry).
Kumagai, Saizo (Erosion Control).
Miyake, Sadayoshi (Zoology).
Morisima, Syotaro (Agricultural Machinery).
Nagamatsu, Tsutsumi (Crop Science).
Ohashi, Ikuei (Agricultural Policy).
Okamoto, Seikan (Animal Industry).
Ono, Shunichi (Forestry).
Oomori, Kyosuke (Chemical Physics; Cybernetics).
Oshima, Yasuyoshi (Biochemistry).
Ota, Motoi (Wood Technology).
Sato, Keiji (Afforestation).
Sawada, Shôjirô (Agricultural Administration).
Senzyu, Ryoichi (Wood Chemistry).
Shioya, Tsutomu (Forestry).
Takata, Yushi (Agricultural Engineering).
Takeda, Kyoiti (Meteorology, Statistics).
Tanabe, Kunimi (Agricultural Civil Engineering).
Tanaka, Otohiko (Fisheries).
Tomiyama, Tetsuo (Aquatic Food Chemistry).
Tomiyasu, Yukio (Fisheries).
Tsukahara, Hiroshi (Fisheries).
Watanabe, Haruto (Forestry).
Yamada, Tatsuo (Agricultural Economics).
Yamafuji, Kazuo (Agricultural Technology).
Yasumatsu, Keizo (Entomology).
Yoshii, Hazime (Botanical Pathology).

General Education Dept.:
Anayama, Takamichi (Japanese Literature).
Ataka, Koji (Psychology).
Chishiro, Shoichiro (German).
Goto, Takeshi (Occidental Literature).
Hama, Kazue (Chinese Literature).
Hayashi, Chiwaki (Chemistry).
Hayashida, Shigao (Geology and Mineralogy).
Higaki, Motoyoshi (Japanese History).
Ichii, Myoshichi (Chemistry).
Imaki, Rikuro (Occidental History).
Isaka, Kiyoshi (English).
Ishimoto, Iwane (German).
Ishinaka, Shoji (German).
Isikura, Zinpei (Physics).
Iwasaki, Tsugio (Ethics).
Kaneda, Tadasu (Mathematics).
Mitsui, Kiyoshi (English).
Morinaga, Takashi (German).
Morioka, Sakae (English).
Nagasawa, Yoshijiro (English).
Nakazawa, Sadaharu (Mathematics).
Nishikawa, Takeichi (Chemistry).
Nishio, Yotaro (Japanese History).
Noda, Mitsuo (Geology, Mineralogy).
Okada, Takehiko (Chinese Classics).
Okubo, Masao (Practical Geometry and Drawing).
Sasaki, Kazuyoshi (Philosophy).
Sato, Fumiki (French Literature).
Shirai, Tadashi (Law).
Tubota, Hiroshi (Physics).
Uranisi, Hisao (Mathematics).
Watanabe, Kenkichi (English).
Yamakawa, Johei (German).
Yoshii, Narao (Biology).

Institute for Balneotherapeutics:
Hatta, Osamu (Surgery Section).
Ito, Yosio (Dermatology).
Simizu, Naotaroo (Gynæcology).
Yano, Ryoichi (Internal Section).

Research Institute of Industry and Labour:
Shimizu, Kinjiro (Labour Law).
Yoshimura, Masaharu (World Economics).

Research Institute of Science and Industry:
Ebuchi, Fujihiko (Mining Engineering).
Ikui, Takefumi (Mechanical Engineering).
Takeshita, Kenjiro (Applied Chemistry).
Tsuge, Otohiko (Applied Chemistry).

Research Institute for Applied Mechanics:
Higuchi, Masakazu (Plasticity).
Kumai, Toyoji (Applied Elasticity).
Kurihara, Michinori (Hydrodynamics).
Negoro, Shozaburo (Elasticity).
Okabe, Jun-ichi (Hydrodynamics).
Shinohara, Kinji (Hydrodynamics).

NAGASAKI UNIVERSITY

OHASHI-MACHI 200, NAGASAKI

Telephone: 4-1121.

Founded 1949

President: Nariyuki Izumi.
Secretary-General: Kashiro Natori.
Librarian: Tokuro Tomonaga.

Library of 268,486 vols.
Number of teachers: 380, including 90 professors.
Number of students: 2,694.

Deans:

Faculty of Liberal Arts: Hidehisa Sawa.
Faculty of Medicine: Toshiro Goto.
Faculty of Economics: Yoshio Kono.
Faculty of Pharmacy: Hyozo Taniyama.
Faculty of Fisheries: Tetsuo Yamada.

NAGOYA UNIVERSITY

6-CHOME, MINAMI-SOTOBORI-CHO, NAKA-KU, NAGOYA

Telephone: 94

Founded 1939.

President: Ukichi Shinohara.
Secretary: Bunei Kamesaka.

Number of professors: 250.
Number of students: 4,402.

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DEANS:

Faculty of Literature: TAKETOSHI MATSUI.
Faculty of Education: KOZO FURUKI.
Faculty of Jurisprudence: MASEO MIYAKE.
Faculty of Economics: GENROKU SUEMASTU.
Faculty of Science: KANETAKA ARIYAMA.
Faculty of Medicine: ZENGO KANDA.
Faculty of Engineering: TOKITI NODA.
Faculty of Agriculture: YOSHIAKI GOTO.
Department of General Education: KOKICHI SANO.
Research Institute of Environmental Medicine: SHUJI GOTO.
Research Institute of Atmospherics: ATSUSHI KINBARA.
Institute of Plasma Physics: KOJI FUSHIMI.

PROFESSORS:

Faculty of Literature:
ATOJI, YOSHIO (Sociology).
IRIYA, YOSHITAKA (Chinese Literature).
ITO, TAKEO (German Literature).
KATO, RYOTARO (English Literature).
KITAMURA, TOSHIO (Human Geography)
KOZAI, YOSHISHIGE (History of European Philosophy).
MASHITA, SHIN-ICHI (Philosophy).
MATSUI, TAKETOSHI (Human Geography).
MATSUMURA, HIROSHI (Japanese Literature).
MIZUKAWA, ONJI (European History).
NAKAMURA, HIDETAKA (Japanese History).
NOMURA, MASAYOSHI (Linguistics).
OHAMA, AKIRA (Chinese Philosophy).
SHINMURA, TAKESHI (French Literature).
SUMITA, SHOICHI (Archæology).
UEDA, YOSHIFUMI (Hindu Philosophy).
UTSUNOMIYA, KIYOYOSHI (Oriental History).
YOKOSE, ZENSHO (Psychology).

Faculty of Education:
AKIMOTO, TERUO (School Administration).
FURUKI, KOZO (Adult Education).
HIROOKA, RYOZO (Pedagogy).
KOBORI, TSUTOMU (Adult Education).
KONDO, SADATSUGU (Science and Industrial Psychology).
MAEJIMA, GIICHIRO (English and Germanic Philology).
MOTOYAMA, MASAO (School Administration).
NAKA, ARATA (History of Education).
ONISHI, SEIICHIRO (Educational Psychology).
SHIGEMATSU, TAKAYASU (Method of Education).
SHIRAISHI, KAZUSHIGE (Educational Statistics).
TSUZUKI, ARITSUNE (Educational Psychology).

Faculty of Jurisprudence:
HASEGAWA, MASAYASU (Constitution).
HIRAMATSU, YOSHIO (Legislation).
HIRANO, TSUNEO (Jurisprudence).
IGARASHI, TOYOSAKU (History of Political Science).
INAKO, TSUNEO (Civil Law).
KASHIWAGI, CHIAKI (Criminal Law).
KITAZAWA, MASAHIRO (Commercial Law).
MIYAKE, MASAO (Civil Law, Labour Law).
MORIMOTO, JUNICHIRO (History of Political Ideas).
NAKAGI, YASUO (International Law).
OTSUKA, HITOSHI (Criminal Law).
SHINOBU, SEIZABURO (Political History).
TANIUCHI, YUZURU (Administration).
YAMADA, RYOICHI (International Private Law).
YOKOGOSHI, EIICHI (Political Science).

Faculty of Economics:
GOTO, KONOSUKE (Accounting).
HOSOI, TAKASHI (Economic Management).
KITAGAWA, KAZUO (International Economics).
MINOGUCHI, TOKIJIRO (Social Policy).
MIZUTA, HIROSHI (Commercial Policy).
SAKAI, SHOZABURO (Economic Theory and Policy).
SHIONOYA, TSUKUMO (Economics).
SUEMATSU, GENROKU (Business Economics).
WATANABE, SHINICHI (Agricultural Economics).
YAMAZAKI, KENJI (Finance).

Faculty of Science:
ARIYAMA, KANETAKA (Theoretical Physics).
FUKUI, SHUJI (Nuclear Physics).
FUKUTA, SOICHI (Chemical Embryology).
HAYAKAWA, SACHIO (Nuclear Physics).
HIRATA, YOSHIMASA (Organic Chemistry).
IIDA, KUMIJI (Geophysics).
ISONO, KENJI (Geophysics).
KOYAMA, CHUSHIRO (Analytical Chemistry).
KUBO, MASAJI (Physical Chemistry).
KUBOTA, TOMIO (Mathematics).
KURODA, SHIGEKATSU (Theory of Numbers and Mathematics).
MATSUZAWA, ISAO (Tectonic Geology).
MORI, TAKESHI (Plant Physiology).
NAGASHIMA, KAZUO (Cosmic Ray Physics).
NAKANO, FUJIO (Semi-conductors).
NAKAYAMA, TADASHI (Algebra and Theory of Numbers).
NOSHIRO, KIYOSHI (Analysis, Function Theory).
OANA, SHINYA (Geochemistry).
ONO, KATSUJI (Foundation of Mathematics and Geometry).
OSAWA, FUMIO (High Polymer Physics).
OTA, YUKITO (Genetics, Morphological Botany).
SAKATA, SHOICHI (Theoretical Physics).
SANO, ISAMU (Physical Chemistry).
SATO, TADAO (Experimental Morphology).
SEKIDO, YATARO (Cosmic-Ray Physics).
SUGAWARA, KEN (Analytical Chemistry, Geochemistry).
SUGIYAMA, MASEO (Zoocytology).
SUZUKI, SAKARU (Organic Chemistry).
TAKABAYASHI, TAKEHIKO (Cosmic Ray Physics).
TAKEHARA, HEIICHI (Lithology).
TATSUZAWA, CHIKAO (Analytics).
UEDA, RYOJI (Crystal Physics).
YAMAMOTO, TOKIO (Physiological Embryology).
YAMAZAKI, KAZUO (Inorganic Chemistry).

Faculty of Medicine:
AOYAMA, SHINGO (Internal Medicine).
FURUTA, KANJI (Forensic Medicine).
GOTO, SHUJI (Oto-Rhino-Laryngology).
HARA, JUN (Anatomy).
HASHIMOTO, YOSHIO (Surgery).
HIBINO, SUSUMU (Internal Medicine).
IMANAGA, HAJIME (Surgery).
INOUE, TOSHI (Hygiene).
ISHIZUKA, NAOTAKA (Obstetrics and Gynæcology).
ITO, RYO (Physiology).
KANDA, ZENGO (Pharmacology).
KANO, KAI-ICHIRO (Dermatology).
KOJIMA, KOKU (Ophthalmology).
KOTAKE, YAHITO (Public Hygiene).
MATSUMOTO, TOSHISADA (Cancer Research).
MIYAKAWA, MASAZUMI (Pathology).
MURAMATSU, TSUNEO (Psychiatry).
NAKAE, RYOICHI (Pediatrics).
OGASAWARA, KAZUO (Bacteriology).
OKADA, HIROSHI (Prophylactic Medicine).
SHIMIZU, KEIZO (Urology).
SUGIYAMA, SCHOICHI (Anatomy).
TAKAGI, KENTARO (Physiology).
TAKAHASHI, SHINJI (Radiology).
TAUCHI, HISASHI (Pathology).
YAGI, KUNIO (Biochemistry).
YAMADA, KAZUMARO (Anatomy).
YAMADA, KOZO (Internal Medicine).

Faculty of Engineering:
ARIZUMI, TETSUYA (Electronics).
DOI, SHIZUO (Machining and Machinery).
FURUYA, YOSHIMASA (Hydrodynamics).
HISATSUNE, CHUYO (Casting).
ICHIHARA, SHOHEI (Civil Engineering).
ICHIKAWA, KUNIHIKO (Aeronautics).
IINOYA, KOICHI (Chemical Engineering).
IKEYA, KAZUO (Electronics).
IMACHI, ISAMU (Construction Dynamics).
INOUE, MICHIO (Chemical Metallurgy).
ISHII, YOSHIRO (Industrial Organic Chemistry).
ITO, TADAYA (Dynamics of Machinery).
KAGAWA, IKUMI (Applied Organic Chemistry).
KASUGA, YASUO (Machine Tools).
KATO, NORIO (Industrial Solid State Physics).
KATO, SHINOBU (Workshop Technology).
KAWANO, MINURU (Reactor Engineering).
KINBARA, ATSUSHI (Theory of Electro-Magnetic Waves).
KIRIHARA, ASAO (Reactor Engineering).
KURI, ZENICHIRO (Petro-chemistry).

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MISTUI, HISAO (Mechanical Engineering).
MIYAJI, IWAO (Electrical Engineering).
MORITA, NORIYOSHI (Applied Physical Chemistry).
NAGASAWA, MITSURU (Applied Physics).
NAKAMURA, KAHEI (Automatic Control).
NARUOKA, MASAO (Civil Engineering).
NISHIHATA, ISAO (Civil Engineering).
NISHIMURA, TOORU (Aircraft Structure).
NODA, TOKICHI (Applied Inorganic Chemistry).
OCHIAI, YOSHIYUKI (Electrical Communication Engineering).
OGATA, YOSHIRO (Applied Chemistry).
OHASHI, YOSHIO (Engineering of Plasticity).
OKUBO, HAJIME (Dynamics).
ONDA, KAKUSABURO (Chemical Engineering).
ONO, MITSUO (Applied Nuclear Physics).
OTSUKA, SHINTARO (Propulsion Engineering).
SAITO, KOTARO (Synthetic Chemistry).
SAKAJI, JURO (Industrial Mathematics).
SAKAKI, YONEICHIRO (Electronics).
SANO, KOKICHI (Ferrous Metallurgy).
SAWAMOTO, HACHIE (Non-ferrous Metallurgy).
SEKIGUCHI, HARUJIRO (Welding).
SHINOHARA, UKICHI (Electrical Machine and Apparatus).
SUGA, TARO (Applied Physics).
SUGIYAMA, SACHIO (Chemical Engineering).
TAKAHASHI, TAKEHIKO (Applied Inorganic Chemistry).
TAKEDA, SHUZO (Physical Metallurgy).
TAKEDA, SUSUMU (General Electrical Engineering).
TAKEUCHI, TSUGIO (Industrial Analytic Chemistry).
UCHIDA, SHIGEO (Fluid Dynamics).
UDAGAWA, KANEHISA (Electronics).
UEDA, MINORU (Electrical Machinery).
YAMAMOTO, KENZO (Electricity and Magnetism, A.C. Theory).
YAMAMOTO, TOSHIO (Mechanics).
YOSHIHARA, KUNIO (Applied Physics).

Faculty of Agriculture:

ASHIDA, KIYOSHI (Food and Nutrition).
DOI, SHINJI (Zymochemistry).
GOTO, JIRO (Cattle Hygiene).
GOTO, YOSHIAKI (Fertilisation).
HASEGAWA, KINSAKU (Sericulture).
HIRAI, TOKUZO (Pathological Botany).
IYATOMI, KISABU (Applied Entomology).
KANDA, TAKASHI (Chemical Technology of Forest Products).
KONDO, KYOJI (Animal Breeding).
KUMADA, KYOICHI (Agronomy).
MUNAKATA, KATSURA (Agricultural Chemistry).
NAGATO, KAZUO (Crop Science).
NAKAJO, SEIICHI (Animal Reproduction).
NAKAYAMA, HIROICHI (Forest Management).
SATO, YASUSHI (Cattle Products).
SHIMURA, TAKASHI (Plant Breeding).
SHISA, MAKOTO (Horticultural Science).
TAKAHARA, SUEMOTO (Forestry).
TAKEICHI, KANAE (Agricultural Economics).
TAMURA, TAMOTSU (Fish Biology).
TAMURA, TEIICHI (Utilization of Agricultural Products).
TASAKI, IWAO (Animal Nutrition).
URITANI, IKUZO (Biological Chemistry).
YAMAMOTO, TAKASHI (Forestry).
YASUDA, MIKIO (Zootomy).

Department of General Education:

ABE, YOSHSUKE (Psychology).
ARAKAWA, TAIJI (Physics).
CHUJO, SOSUKE (German).
EGUCHI, AKITSUGU (Japanese Literature).
FUZIMOTO, NAOHIDE (German Literature).
HIRAYAMA, TAKAJI (Sociology).
ITO, NOBORU (Mathematics).
JIMBO, KENGO (German).
KAINUMA, YOSHIRO (Physics).
KAWAMURA, HIDEO (Physical Education).
KIMOTO, KAZUO (Physics).
KONDO, YASUNOBU (Chinese Philosophy).
KUMAZAWA, MASAO (Botany).
KURITA, MINORU (Mathematics).
KURODA, TADASHI (Mathematics).
MASAKI, KAZUO (Economics).
MATSUI, SHUJI (Physical Education).
MURAMATSU, MASASHI (English).
MURASE, SHUNSUKE (English).
NAKAHAMA, TORAICHI (Jurisprudence).
NARUSE, KOSHIRO (English).
OSAWA, MINEO (German).
SAKAKI, TOMOHIKO (Chemistry).
SASAKI, TAKAYOSHI (Japanese History).
SATO, KAZUO (English).
SATO, MICHITARO (Philosophy).
SHIBASAKI, MUTSUO (Chemistry).
SHIIDA, ISAO (Physical Geography).
SHIMADA, NOBUO (Mathematics).
SUGIYAMA, AKIRA (Physics).
TAKASE, SEIZO (English Literature).
TANAKA, KEIJIRO (French).
TANAKA, KIYOSHI (Botany).
TOKIWAI, KENJU (Chinese Philosphy).

Research Institute of Environmental Medicine:

GOTO, SHUJI (Additional Post).
ISHIARA, ICHIRO (Internal Medicine).
MOTOBAYASHI, FUJIO (Aeronautical Medicine).
MURAKAMI, UJIHIRO (Internal Medicine).
TOYOSHIMA, HIDEO (Internal Medicine).

Research Institute of Atmospherics:

ISHIKAWA, HARUJI (Physics).
IWAI, AKIRA (Electrical Engineering).
KINBARA, ATSUSHI (Additional Post).
TANAKA, HARU (Electricity).

Institure of Plasma Physics:

FUSHIMI, KOJI (Plasma Dynamics).
NAGAO, SHIGEO (Control of H.T.P.).
TAKAYAMA, KAZUO (Plasma Thermodynamics).

NIIGATA UNIVERSITY

ASAHIMACHIDORI 1-BANCHO, NIIGATA

Founded 1949

President: TATSUJI ITO, M.D.
Chief Administrative Officer: SHOSHIRO MIYAUCHI.
Librarian: YUNOSUKE NAKAYAMA.

Number of teachers: 596.
Number of students: 4,597.
Publications: *Discussion Papers on Law and Economy, Educational Science Memoirs, Journal of Faculty of Science* (in English), *Acta Medica et Biologica* (in English), *Agriculture and Forestry Studies.*

DEANS:

Faculty of Humanities: KINGO OCHIAI.
Faculty of Education: SHOJI ISHIZUKA.
Faculty of Science: SHOICHI NISHIDA, SC.D.
Faculty of Medicine: SHUEI NOZAKI, M.D.
Faculty of Engineering: JUZABURO TAKAZAWA.
Faculty of Agriculture: ZENICHIRO ENOMOTO.

OKAYAMA UNIVERSITY

TSUSHIMA, OKAYAMA

Telephone: Okayama 3-0111.

Founded 1949

President: SHIZUO HATTORI.
Chief Secretary: TADAHIDE IGARI.
Chief Librarian: FUKUTARO MASUDA.

Number of teachers: 533.
Number of students: 4,129.
Publications: Bulletins and Journals of the Faculties.

DEANS:

Students: SHUNPEI INO.
General Education: KUNIO SAKATE.
School of Law and Literature: MINORU GO.
School of Education: KEI NAKAE.
School of Science: TAKESHI INAGAKI.

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Medical School: SHIGEO TAKAHARA.
School of Engineering: IKUTARO SAWAI.
School of Agriculture: SATOSHI HORI.

PROFESSORS:

School of Law and Literature:
FUJII, SHUN
GO, MINORU
HARA, TANEYUKI
HAYASHI, HIDEICHI
KITAMURA, TSUNEO
KONDO, YOITSU
KONO, MICHIHIRO
MASUDA, FUKUTARO
MATSUMOTO, YOSHIHIKO
MIZUNOE, NORIHIKO
MORIOKA, TSUNEO
NISHIMA, KATSUHIKO
OBUCHI, NINJI
OYAMA, SHIGEAKI
SUGIHARA, SHIGEHARU
TAKAYAMA, TAKASHI
TANAKA, IKUO
TODA, HISASHI
YANO, MASATO
YOSHIDA, RIKIO
YOSHIKAWA, TOSHINORI

School of Education:
ASANO, TATSUZO
IKEGAMI, YASUTA
KITAFAWA, TADASHI
MINAMI, KATSUICHI
MUKUMO, KANAME
NAGAO, HISAO
NAKAE, KEI
OGAWARA, KOJI
SAKATA, YOSHIE
TANIGUCHI, SUMIO
TODA, CHUGO
TOKUNAGA, TAMOTSU
WATANABE, KOZO
YAMAUCHI, KOJI

School of Science:
ASAGOE, KENICHI
ASANO, SUMITADA
FUJISHIGE, HIROSHI
HASEGAWA, SHIGEO
HIRAI, NISHIO
INAGAKI, TAKESHI
INO, SHUMPEI
IWATA, SEIJI
KAWAGUCHI, SHIRO
KIRIE, KYOJI
KOZEKI, KENICHI
MATSUMOTO, TAMOTSU
NASU, YASUO
OKURA, NAGAJI
OOE, JIRO
SAKATE, KUNIO
TAKENOUCHI, OSAMU
UMEDA, KAI
YAMASHITA, KEIJI
YOKOO, AKIRA
YOSHIMOTO, HIROSHI

Medical School:
AKAGI, GORO
FUKUHARA, TAKESHI
HAMAMOTO, HEIJI
HAMASAKI, YUKIO
HAYASHI, KANAE
HIRAKI, KIYOSHI
INAMOTI, SENICHI
JINNAI, DENNOSUKE
KODAMA, TOSHIO
KOSAKA, KIYOO
MATSUMOTO, KIYOSHI
MIKAMI, YOSHIO
MIZUHARA, SHUNJI
MURAKAMI, SAKAE
OHARA, MASAHIKO
OKUMURA, NIKICHI
OMURA, JUNICHI
OSOGOE, BUNSUKE
OTAHARA, KAZUYOSHI
OUCHI, HIROSHI
SENO, SACHIMARU
SUNADA, TERUTAKE
TAKAHARA, SHIGEO
TAKEOKU, KIHEI
TANIDA, TOSHIMITSU
WATANABE, YOSHIO
YAMAMOTO, MICHIO
YAMASAKI, HIDEMASA

School of Engineering:
KAMEI SABURO
KIKUCHI, SUSUMU
OHIGASHI, SHUNICHI
SAWAI, IKUTARO
TAKEDA, AKIRA
YAMADA, TOSHIO

School of Agriculture:
HONDA, NOBORU
HORI, SATOSHI
IKEDA, NAGAMORI
IWAMURA, MICHIMASA
KIYOHISA, MASAO
KOMATSU, ISABURO
MATSUO, KINJI
NAGATOMO, SHIGEO
SHIBUYA, SHIGERU
SHINOZAKA, YUICHI
SUDO, HIROSHI
SUGAI, KAZUO
TAKEGAMI, SHIZUO
TAKEI, SANKICHI
YASUDA, ISAO
YONEDA, SHIGEO

OSAKA UNIVERSITY

36 JOANCHO, KITA-KU, OSAKA
Telephone: (44) 6051
Founded 1931.

President: Dr. SHIRO AKABORI.
Secretary: SHINICHI NAKAMURA.
Number of professors: 253.
Number of students: 5,013.
Publications include: *Osaka Mathematical Journal, Medical Journal of Osaka University, Law Review, Osaka Economic Papers, Annual Report of Scientific Works, Technology Reports of Osaka University, Annals of the Research Institute for Microbial Diseases, Memoirs of the Institute of Scientific and Industrial Research,* etc.

DEANS:

Faculty of Letters: TOSHITAKE AMANO.
Faculty of Law: YOSHINOBU MORI.
Faculty of Economics: SHOZO SOBAJIMA.
Faculty of Science: ICHIJIRO HONJO.
Faculty of Medicine: REIJI IMAIZUMI.
Faculty of Dentistry: IWAO YAMAMOTO.
Faculty of Pharmacy: ZENICHI HORII.
Faculty of Engineering: MINORU OKADA.
Faculty of Engineering Science: KENJIRO SHODA.
General Education Course: TADASHI SATANI.

PROFESSORS:

Faculty of Letters:
AIHARA, SHINSAKU (Ethics).
AMANO, TOSHITAKE (Psychology).
DATE, SHIRO (Philosophy).
FUJI, NAOMOTO (Japanese History).
KIMURA, EIICHI (Chinese Philosophy).
KITANO, SEIICHI (Sociology).
KOJIMA, YOSHIO (Japanese Literature).
MAKINO, TATSU (Pedagogy).
MASUDA, KOICHI (Educational Psychology).
MORI, AKIRA (Pedagogy).
MORI, TOGO (Sociology).
MORIYA, MIZUO (Oriental History).
MOURI, YOSHINOBU (English Literature).
MURAKAMI, SHIKO (English Literature).
MURATA, KAZUNOSUKE (Occidental History).
OMODAKA, HISAYUKI (Philosophy).
TACHIBANA, KAKUSHO (Psychology).
TANAKA, KENJI (German Literature).
TOKINOYA, MASARU (Japanese History).
WADA, SEIZABURO (French Literature).

Faculty of Law:
ISHIMOTO, MASAO (Civil Law).
KAKUDO TOYOJI (Constitutional Law).
KUMAGAI, KAISAKU (Legal History).
MORI, YOSHINOBU (Political Science).
NAKABU, YAGUO (Criminal Law).
OFUCHI, NIEMON (International Law).
ONOGI, TSUNE (Civil Law).
OSAKADANI, KIMIO (Civil Law).
TAKIGAWA, HARUO (Criminal Law).
YAMADA, YUKIO (Administrative Law).

Faculty of Economics:
HIRATA, TAKAO (Social Policy).
ICHITANI, TOICHIRO (Economics and Finance).
KINOSHITA, KAZUO (Finance).
KIUCHI, KAICHI (Accounting).
KUMAGAI, HISAO (Economic Policy).
MIYAMOTO, MATAJI (Economic History).
SOBAJIMA, SHODO (Economics).
TAKADA, KAORU (Management).
WATANABE, TARO (International Economics).
YOKOYAMA, TAMOTSU (Statistics).

Faculty of Science:
AKABORI, SHIRO (Organic Chemistry).
ASAKA, TSUNESABURO (Experimental Physics).
ASANO, KEIZO (Algebra).
FUJITA, HIROSHI (Physical Chemistry of Polymer Solutions).
FUSHIMI, KOJI (Theoretical Physics).
HIROTA, KOZO (Physical Chemistry).
HONJYO, ICHIJIRO (Comparative Physiology).
ISEMURA, JUZO (Chemistry).
ITO, JUNKICHI (Applied Physics).
KAMIYA, NOBUO (Cell Physiology).
KANEKO, TAKEO (Organic Chemistry).
KAWAMURA, HAZIME (Experimental Physics).
KIKKAWA, HIDEO (Genetics).
KUNUGI, KINJIRO (Mathematical Analysis).
MATSUSHIMA, YOSHIO (Organic Chemistry).
MATSUSHIMA, YOZO (Mathematical Statistics).
MURAHASHI, SHUNSUKE (Chemistry).

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NAGAMIYA, TAKEO (Theoretical Physics).
NAGUMO, MICHIO (Mathematical Analysis).
NAKAGAWA, MASAZUMI (Organic Chemistry).
OGATA, KOREICHI (Experimental Physics).
OKUNUKI, KAZUO (Microbiology).
OTOZAI, KIYOTERU (Radiochemistry).
SATA, NAOYASU (Colloidal Chemistry).
SAWADA, MASAO (Metallic Physics).
SEKI, SHUZO (Physical Chemistry).
SHIMURA, GORO (Algebra).
TANI, HISAYA (Organic Chemistry of High Polymers).
TERASAKA, HIDETAKA (Geometry).
UCHIYAMA, TATHSO (Theory of Elementary Particles).
WAKATSUKI, TETSUO (Atomic Physics).
WATANABE, TOKUNOSUKE (Experimental Physics).
YAMABE, HIDEHIKO (Mathematics).

Faculty of Medicine:
AMANO, TSUNEHISA (Bacteriology).
ASHIDAKA, YOSHIO (Gynæcology and Obstetrics).
BAN, TADAYUSA (Anatomy).
FUJINAMI, TOKUJI (Dermatology).
HASEGAWA, TAKATOSHI (Oto-Rhino-Laryngology).
HAYASHI, OSAMU (Biochemistry).
IMAIZUMI, REIJI (Pharmacology).
IWAMA, KICHIYA (Anatomy).
KANEKO, JIRO (Psychiatry).
KIKKAWA, HIDEO (Heredity).
KOHAMA, MOTOTSUGO (Anatomy).
KUBO, HIDEO (Physiology).
KUSUNOKI, TAKAMITSU (Urology).
MARUYAMA, HIROSHI (Public Health and Hygiene).
MATSUKURA, TOGOJI (Forensic Medicine).
MIYAZI, TORU (Pathology).
MIZUKAWA, TAKASHI (Ophthalmology).
NISHIZAWA, YOSHITO (Pediatrics).
OKANO, KINYA (Pathology).
SEKI, TEISHIRO (Public Health).
SIMIZU, NOBUO (Anatomy).
SUDA, MASAMI (Dietetics).
TACHIIRI, HIROSHI (Radiotherapy).
TAKEDA, YOSHIAKI (Surgery).
YAMAMURA, KOICHI (Internal Medicine).
YOSHIDA, TSUNEO (Internal Medicine).
YOSHII, NAOSABURO (Physiology).

Faculty of Dentistry:
KAWAI, SHOJIRO (Prosthetic Dentistry).
KAWAKATSU, KENSAKU (Dental Prosthetics).
KAWAMURA, YOJIRO (Oral Physiology).
MATSUMURA, TOSHIHARU (Oral Hygiene).
NAGAI, IWAO (Oral Surgery).
NISHIZIMA, SHOZIRO (Oral Anatomy).
SIMA, YOSHIO (Oral Medicine).
SIMOFUSA, TAKAJI (Prosthetic Dentistry).
TAKIMOTO, KAZUO (Orthodontics).
TERASAKI, TARO (Oral Pathology).
YAMAGA, REIICHI (Dental Technology).
YOKOMIZO, ICHIRO (Oral Medicine).

Faculty of Pharmacy:
AOKI, MASARU (Pharmaceutics).
AONUMA, SHIGERU (Pharmaceutical Radiochemistry).
HANO, HISASHI (Pharmacology).
HORII, ZENICHI (Pharmaceutical Chemistry).
INUBASHI, YASUO (Pharmaceutical Chemistry).
KAWASAKI, CHIKATARO (Chemical Hygiene).
TAKIURA, KIYOSHI (Analytical Pharmacy).
UEHARA, KIHACHIRO (Biochemistry).
YOSHIOKA, ICHIRO (Pharmacognosy).

Faculty of Engineering:
ADACHI, AKIRA (Metallurgy).
ADACHI, TAKASHI (Structural Engineering).
ANDO, KOHEI (Welding Engineering).
AOYAGI, KENJI (Communication Engineering).
FUNAKUBO, EIICHI (Applied Science).
HACHIHAMA, YOSHIKAZU (Chemical Technology).
HARADA, HIDEO (Naval Architecture)
INUISHI, YOSHIO (Electrical Engineering).
ISHINO, TOSHIO (Chemical Technology).
ITAKURA, KOIYYASU (Communication Engineering).
ITO, HIROSHI (Ultra High Temperature Engineering).
JYO, KENZO (Precision Machinery).
KASAHARA, YOSHIRO (Communication Engineering).
KIKUKAWA, MAKOYO (Mechanical Engineering).
KITAMURA, ZENICHT (Electronic System Engineering).
KOMORI, SABURO (Chemical Technology).
KUMAGAI, SABURO (Communication Engineering).
MATSUDA, SUMIO (Chemical Technology).
MATSUKAWA, TATSUO (Metallurgy).
MIMA, GENJIRO (Metallurgy).
MIYAWAKI, KASUO (Electronic Control Engineering).
NIIZU, YASUSHI (Mechanical Engineering).
NISHIMURA, MASATARO (Electrical Engineering).
OGASAWARA, MITSUNOBU (Mechanical Engineering).
OKADA, MINORU (Welding Engineering).
OKUJIMA, SHOICHI (Structural Engineering).
ONISHI, IWAO (Welding Engineering).
OTA, TOMOYA (Mechanical Engineering).
OTAKE, TSUTAO (Chemical Technology).
OTANI, MIDORI (Naval Architecture).
SAKURAI, YOSHIFUMI (Nuclear Instrument Engineering).
SANO, TADAO (Reactor Engineering).
SASAZIMA, HIDEO (Naval Architecture).
SENDA, KANAE (Applied Mechanics).
SHIBASAKI, ISAO (Fermentation Technology).
SHINAGAWA, MATSUAKI (Nuclear Chemical Engineering).
SHINODA, GUNJI (Precision Machinery).
SOEJIMA, YOSHIO (Precision Machinery).
SUGATA, EIJI (Communication Engineering).
SUGIYAMA, HIROSHI (Strength of Materials).
SUITA, TOKUO (Electrical Engineering).
TAGAYA, MASAYOSHI (Metallurgy).
TAKEYAMA, SETSUZO (Electrical Engineering).
TANAKA, YOSHINOBU (Precision Machinery).
TERAMOTO, SHIRO (Fermentation Technology).
TERAZAWA, KAZUO (Naval Architecture).
TERUI, GYOZO (Fermentation Technology).
TSUEDA, MASASUKE (Mechanical Engineering).
TSUTSUMI, SHIGERU (Chemical Technology).
UEDA, TARO (Precision Machinery).
UEMATSU, TOKIO (Mechanical Engineering).
WASHIO, KENZO (Structural Engineering).
WATANABE, MASAKI (Welding Engineering).
YAMAGUCHI, JIRO (Electrical Engineering).
YAMAMURA, YUTAKA (Electrical Engineering).
YASUMI, MASARU (Structural Engineering).
YOSHINAGA, HIROSHI (Precision Machinery).

Faculty of Engineering Science::
FUJISAWA, KAZUO (Electrical Engineering).
KUNUGI, KINJIRO (Applied Mathematics).
MORITANI, ICHIRO (Chemistry).
NAKAZAKI, MASAO (Chemistry).
UEMATSU, TOKIO (Fluid Mathematics).
YAMAGUCHI, JIRO (Electrical Engineering).

General Education Course:
ASANO, YOSHIHIRO (Physics).
GOTO, TADAHISA (English).
HAYASHI, KAZUO (French).
HIRASHITA, KINICHI (Philosophy).
IGAYA, HUMIOMI (Occidental History).
IMABORI, KOZO (Biology).
INUGAI, TAKASHI (Japanese and Oriental Literature).
KOBATAKE, NOBUO (Geography).
MANABE, HARUZO (Psychology).
NAKAMURA, TSUNEO (German).
NISHIYAMA, TOSHIYUKI (Physics).
OCHIAI, TAKESHI (Constitution).
OGIWARA, GUNZI (Physiology).
OSHIMA, MASARU (Mathematics).
SAITO, KIYOSHI (German).
SATANI, TADASHI (English).
SATO, IWANE (Biology).
SHIOZAKI, SHUNICHI (German).
SHODA, MASARU (Physics).
SINRA, KOICHIRO (Chemistry).
SUZUKI, SHIGESADA (German).
TAKASE, SHINICHIRO (Chemistry).
TAKEBAYASHI, MATSUJI (Chemistry).
TAKEWAKI, MATAICHIRO (Physics).
TORI, YUKINARI (Mathematics).
USAMI, KISAHACHI (Japanese and Oriental Literature).
USHIODA, FUKIZO (Oriental History).
WATANABE, KAKUSHI (Occidental Literature).
YAMAZAKI, KENICHIRO (Chemistry).
YOSHIDA, YASUO (English).

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OSAKA CITY UNIVERSITY

459, SUGIMOTOCHO, SUMIYOSHI-KU,
OSAKA
Telephone: 691-3371.

Founded 1928.

President: Koji Fukui.
Administrator: Motojiro Fuzimoto.
Dean of Student Affairs: Tomohiko Harada.

Number of teachers: 720 (including 159 professors).
Number of students: 4,297.

Publications: *Journal of Economics, Keizaigaku Nempo, Keiei Kenkyu, Journal of Law and Politics, Hogaku Sosho, Studies in the Humanities, Journal of the Institute of Polytechnics, Journal of the Osaka City Medical Centre, Osaka City Medical Journal, Report of the Science of Living, Social Welfare Review, Bungakushi Kenkyu.*

Deans:

Faculty of Commerce: Yoshio Utsumi.
Faculty of Economics: Masao Hazama.
Faculty of Law: Mitsunosuke Mizushima.
Faculty of Letters: Hiroshi Maeda.
Faculty of Science: Yuzuru Watase.
Faculty of Engineering: Minora Imoto.
Faculty of Medicine: Tameyoshi Babo.
Faculty of Domestic Science: Michikazu Tanaka.
College of General Education: Zyuro Ueda.

Attached Institutions:

Institute of Economic Research: Dir. Yuji Tominaga.
Toneyama Institute of Tuberculosis Research: Dir. Saburo Watanabe.
Atomic Energy Research Room: Dir. Yuzuru Watase.
Hospital (attached to the Faculty of Medicine): Moritsugu Fugino.

SHINSHU UNIVERSITY

109 ASAHI-MACHI, MATSUMOTO
Telephone: 3-4600

Founded 1949

President: Hajime Mimura.
Administrator: Kenichi Sugita.

Number of students: 4,030.

Deans:

Faculty of Literature and Science: Kane Nakayama.
Faculty of Education: Seiichi Kato.
Faculty of Medicine: Utaro Wago.
Faculty of Engineering: Y. Morimoto.
Faculty of Agriculture: Morishige Matsuzawa.
Faculty of Textiles: Kiyoaki Koizumi.

SHIZUOKA UNIVERSITY

OIWA-CHO 2-CHOME, SHIZUOKA
Telephone- Shizuoka 2-7141.

Founded 1949

President: Yasushi Watanabe.
Chief Secretariat: Isamu Yoshida.

Number of teachers: 364.
Number of students: 4,842.

Deans:

Faculty of Liberal Arts and Science: Kiyoshi Kawachi.
Faculty of Education: Kazutada Hatakeyama.
Faculty of Engineering: Shukichi Sakuraba.
Faculty of Agriculture: Makoto Abe.

TOHUKU UNIVERSITY

KATAHIRACHO, SENDAI, JAPAN
Telephone: Sendai 23-5111.

Founded 1907.

President: Teruji Ishizu.
Secretary: Takayuki Soga.
Director of University Library: Terushiro Sera.
Chief Librarian: Takenosuke Takagi.

Number of professors: 369, including Research Institute professors.
Number of students: 7,817.

Publications: *Science Reports of Tohuku University* (Series 1-VII), *Ecological Review, Bulletin of the Marine Biological Station,* Asamushi, *Tohuku Journal of Experimental Medicine, Law, Tohuku Journal of Agricultural Research, Economics, Science Reports of the Research Institutes* (Series A-D).

Deans:

Dean of Students: Yahiko Mizuno.
Faculty of Science: Isao Motomura.
Faculty of Medicine: Koichi Motokawa.
Faculty of Engineering: Takio Kato.
Faculty of Law: Yoshimoto Yanase.
Faculty of Arts and Letters: Yokichi Yajima.
Faculty of Economics: Kichiji Nakamura.
Faculty of Education: Kirayuri Sumeragi.
Faculty of Agriculture: Motoyoshi Umezu.
Kawauchi College of Arts and Sciences: Kenko Yoshida.
East College of Arts and Sciences: Tamisuke Shigekura.
Junior Course: Tsuneo Hosoya.

Professors:

Faculty of Science:

Aoki, Kiyoshi (Biology).
Asano, Kiyoshi (Geology).
Azumi, Hiroshi (Chemistry).
Fukamiya, Masanori (Mathematics).
Fukuroi, Tadao (Physics).
Hatai, Kotora (Geology).
Hayashi, Takeshi (Physics).
Hirahara, Eiji (Physics).
Hitotsuyanagi, Juichi (Astronomy and Geophysics).
Iwai, Junichi (Geology).
Kanda, Eizo (Physics).
Kato, Mutsuo (Biology).
Kato, Yoshio (Geophysics).
Kawano, Yoshinori (Petromineralogy).
Kimura, Arika (Biology).
Koizumi, Masao (Chemistry).
Morita, Akira (Physics).
Morita, Susomo (Nuclear Physics).
Motomura, Isao (Biology).
Nagao, Masayuki (Biology).
Nakabayashi, Kugao (Physics).
Nishimura, Kasuke (Geography).
No, Toshio (Geography).
Nozoe, Tetsuo (Chemistry).
Oka, Yoshinaga (Chemistry).
Omori, Keiichi (Petromineralogy).
Sasaki, Shigeo (Mathematics).
Shiokawa, Takanobu (Chemistry).
Sunouchi, Gen-ichiro (Mathematics).
Suzuki, Jiro (Geophysics).
Takeda, Gyo (Nuclear Theory).
Takeuchi, Tsunehiko (Science of Deposits).
Tanaka, Nobuyuki (Chemistry).
Tannaka, Tadao (Mathematics).
Ueta, Masayasu (Physics).
Ushijima, Nobuyoshi (Science of Deposits).
Yamamoto, Giichi (Geophysics).
Yoshioka, Kuniji (Biology).

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Faculty of Medicine:

AKAZAKI, KANEYOSHI (Pathology).
ARAKAWA, ISUNEO (Pediatrics).
HASHIMOTO, KORUKU (Pharmacology).
IINO, SABURO (Orthopædic Surgery).
ISHIBASHI, TOSHIMI (Neuropsychiatry).
ISHIDA, NAKAO (Bacteriology).
IWATSUKI, KENICHI (Anæsthetics).
KAMETANI, TETSUJI (Pharmacy).
KATAGIRI, SHUICHI (Oto-Rhino-Laryngology).
KATO, TETSUZO (Pharmacy).
KATSURA, SHIGETSUGU (Surgery).
KIKUCHI, GORO (Medical Chemistry).
KIRISAWA, NAGANORI (Ophthalmology).
KOGA, YOSHIHIKO (Radiology).
KUSHIMA, KATSUJI (Obstetrics and Gynæcology).
MAKI, TETSUO (Surgery).
MORI, JOMU (Anatomy).
MOTOKAWA, KOICHI (Physiology).
MURAKAMI, TSUGIO (Forensic Medicine).
NAKAMURA, TAKASHI (Internal Medicine).
OKANO, SADASUKE, (Pharmacy).
OKAZAKI, KANZO (Pharmacy).
OKUI, SEIICHI (Pharmacy).
OZAWA, HIKARU (Pharmacy).
SEGI, MITSUO (Hygiene).
SETO, HACHIRO (Anatomy).
SHIMANOUCHI, TAKEBUMI (Hospital Management).
SHISHIDO, SENTARO (Urology).
SUGIYAMA, TAKASHI (Balneology).
SUWA, NORIO (Pathology).
SUZUKI, TAIZO (Environmental Medicine).
TAKAHASHI, EIJI (Hygiene).
TAKAHASHI, YOSHISADA (Dermatology).
TAKEMOTO, TSUNEMATSU (Pharmacy).
TORIGAI, TATSUO (Internal Medicine).
TSUKADA, SUSUMU (Dermatology).
URA, RYOJI (Anatomy).
WADA, MASAO (Physiology).
YAMAGATA, SHOICHI (Internal Medicine).

Faculty of Engineering:

AMAGASA, MASATAKA (Applied Chemistry).
ATSUMI, AKIRA (Vibration Engineering).
EGUCHI, MOTOKI (Mining Engineering).
FUCHIZAWA, SADATOSHI (Mechanical Engineering).
FUJITA, KINICHIRO (Architecture).
FUKUSHIMA, KOUKI (Electrical Engineering).
FUWA, TASUKU (Metallurgical Engineering).
HAGIHARA, ZENJI (Radioactive Rays Measurement).
HATTA, YOSHISUKE (Electronic Engineering).
HIROSE, KOROKURO (Civil Engineering).
HIURA, DAIZO (Civil Engineering).
HORIBE, TOMIO (Mining Engineering).
IIDA, SUGASHI (Architecture).
IWASAKI, TOSHIO (Civil Engineering).
KAMEDA, MITSUO (Metallurgical Engineering).
KAMEI, ISAMU (Architecture).
KANEKO, HIDEO (Metallurgy).
KARASHIMA, SEIICHI (Metal Processing).
KATO, TAKIO (Chemical Engineering).
KATSURA, SHIGETOSHI (Applied Science).
KAWAKAMI, FUSAYOSHI (Civil Engineering).
KIKUCHI, TADASHI (Electronic Engineering).
KIYONO, SETSUO (Applied Science).
KOBAYASHI, KIYOSHI (Nuclear Reactor Engineering).
KOBAYASHI, TAKURO (Metallurgy).
KOIKE, YUJIRO (Electrical Communications).
KURIYAMA, YUTAKA (Architecture).
MAEDA, SHIRO (Applied Chemistry).
MANO, KUNIO (Electrical Engineering).
MATSUDAIRA, MASATOSHI (Communications Engineering).
MITSUI, SEKIO (Applied Physics and Chemistry).
MONMA, KAIZO (Metallurgical Engineering).
MORIOKA, SUSUMU (Metallurgical Engineering).
MURAKAMI, KEIICHI (Chemical Engineering).
MUSHIAKE, YASUTO (Communications Engineering).
NAGAI, KENZO (Electrical Engineering).
NAMITOME, KAORU (Mining Engineering).
NIMURA, TADAMOTO (Electrical Engineering).
OHIRA, GORO (Metallurgy).
OTSUKA, YOSHIRO (Internal Combustion Engines).
ROKKAKU, HIDEMICHI (Electrical Engineering).
SAITO, HIDEO (Mechanical Engineering).
SAKAI, TAKAO (Precision Mechanism).
SATO, KENJI (Applied Dynamics).
SATO, RISABURO (Communications Engineering).
SUZUKI, RENSAKU (Mineralogy).
TAKAKU, KOSHUN (Applied Science).
TAKANO, TOMOHIKO (Electrical Engineering).
TAKEYAMA, HISAO (Precision Engineering).
TAMATE, OSAMU (Mechanical Engineering).
TANASAWA, YASUSHI (Applied Dynamics).
TAYA, TORAO (Civil Engineering).
TOKUHISA, HIROSHI (Chemical Engineering).
TOSHIMA, SHINOBU (Applied Chemistry).
YOKOBORI, TAKEO (Mechanical Engineering).
YOSHIDA, SHIGETOMO (Electronic Engineering).
YOSHIZAWA, YUKIO (Mineralogy).
YUI, NORIO (Applied Science).

Faculty of Law:

HATTORI, EIZO (Commercial Law).
HIRONAKA, TOSHIO (Civil Law).
IKUYO, TORU (Civil Law).
KAMO, YOSHISUKE (Criminal Procedure).
ODA, SHIGERU (International Law).
ORIMO, YUTAKA (Private International Law).
SAITOU, HIDEO (Civil Procedure).
SERA, TERUSHIRO (Occidental Legal History).
SHOJI, KUNIO (Criminal Law).
SOGAWA, TAKEO (Political Procedure).
SUZUKI, ROKUYA (Civil Law).
TAKAYANAGI, SHINZO (Domestic Law).
TSUMAGARI, KURANOJO (Civil Law).
YANASE, YOSHIMOTO (Administrative Law).

Faculty of Arts and Letters:

ARINAGA, HIROTO (French Literature).
GIONJI, NOBURO (Occidental History).
HATANO, HAKUYU (Indology).
HORI, ICHIRO (History of Religion).
HOSOYA, TSUNEO (Philosophy).
ISHIDA, ICHIRO (History of Japanese Thought).
ISHII, TAKASHI (Japanese History).
ISHIZU, TERUJI (Regional Science).
ITO, NOBUO (Archaeology).
KAMETA, TSUTOMU (Oriental Art).
KANAYA, OSAMU (Chinese Philosophy).
KIBA, JINJO (Philosophy).
KITAMURA, SEIRO (Psychology).
KITAZUMI, TOSHIO (Japanese Literature).
MAGATA, NORIMICHI (Philosophy).
MURAOKA, ISAMU (English Literature).
MURATA, KIYOSHI (Aesthetics).
OTAGI, MATSUO (History).
SATO, KYOJI (Japanese Language).
SHIBATA, JISABURO (German Literature).
SOGABE, SHIZUO (History).
TOYOTA, TAKESHI (History).
UCHIDA, MICHIO (Chinese Literature).
YAJIMA, YOKICHI (Ethics).
YAMAWAKI, SHIGEO (History).

Faculty of Economics:

HARADA, SABURO (Economics).
HATTORI, EITARO (Social Policy).
KINOSHITA, AKIRA (Agricultural Economics).
KUNIHIRO, KAZUHITO (Buisiness Organisation and Management).
NABESHIMA, TATSU (Accountancy).
NAKAMURA, KICHIJI (Economic History).
NAKAMURA, SHIGEO (Finance).
SAITO, SEIZO (Public Finance).
SUENAGA, SHIGEKI (History of Economics).
YASUI, TAKUMA (Principles of Economics).
YONEZAWA, HARUBUMI (Statistics).

Faculty of Education:

HASEGAWA, MATSUJI (English Language).
HAYASHI, TAKESHI (History of Education)
HORIE, SADAHISA (Special Education).
MATSUMOTO, KINJU (Development Psychology).
MIZUNO, YAHIKO (Philosophy).
NAKAJIMA, TARO (Educational Administration).

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SUMERAGI, KIRAYUKI (School Management).
TAKEUCHI, TOSHIMI (Social Education).
TSUKADA, TAKESHI (Educational Psychology).
TSUNODA, KAZUICHI (Special Education for the Blind).
TSUSHIMURA, KEISUKI (Curriculum).

Faculty of Agriculture:

ARIYAMA, HISASHI (Food Chemistry).
ASOO, KIYOSHI (Agricultural Chemistry).
FUJIWARA, AKIO (Agricultural Chemistry).
HATANO, TADASHI (Animal Husbandry).
HIRANO, SHIGERU (Agronomy).
IMAI, TAKEO (Fisheries).
ITO, HIDEO (Agronomy).
KIMURA, KINOSUKE (Fisheries).
KOYANAGI, TATSUO (Nutrition).
MATSUDAIRA, CHIKAYOSHI (Fisheries).
MIZUSHIMA, USABURO (Agronomy).
NAKANISHI, TAKEO (Animal Husbandry).
NISHIDA, SHUSAKU (Animal Husbandry).
SHIBAZAKI, KAZUO (Food Chemistry).
SHIMURA, KENSUKE (Agricultural Chemistry).
TAKEUCHI, SABURO (Animal Husbandry).
TOBA, AKIHIKO (Animal Husbandry).
TORIU, YOSHIYUKI (Animal Husbandry).
TSUCHIYA, YASUHIKO (Fisheries).
UCHIYAMA, OSAO (Agronomy).
UEMURA, TEIJIRO (Agricultural Chemistry).
UMETSU, MOTOYOSHI (Animal Husbandry).
WADA, KIYOSHI (Agronomy).

Kawauchi College of Arts and Sciences:

ARISAKA, NAKAAKI (Mathematics).
ATODA, KENJI (Biology).
FUKUMOTO, YOSHISHIGE (Physics).
GONMORI, SOUICHI (French).
HATTORI, OSAMU (Ethics).
HAYASHI, GORO (Mathematics).
HIGUCHI, IZUMI (Chemistry).
HONDA, SHURO (Philosophy).
HUKUMOTO, YOSHISHIGE (Physics).
IDA, TOMOSAKU (English).
INOUE, NAOTO (Chemistry).
KATO, TAKASHI (English).
KAWAMOTO, SHUNPEI (Physics).
KIRA, MATSUO (English).
KOMATSU, SHIGETO (Japanese Language).
KUROHA SHIGERU (Occidental History).
MATSUYAMA, TAKEO (German).
MINEGISHI, YOSHIAKI (Japanese Language).
MIYAKAWA, ZENZO (Descriptive Geography).
MORI, ICHIRO (Chemistry).
NAGANO, TAMETAKE (Biology).
NAKANO, KOSON (German).
NISHIMURA, TEIJI (Occidental History).
NUI, JINZABURO (English).
OGIHATA, TADAO (Japanese Language).
OKUTSU, HARUO (Geology).
ONO, TOMOO (Biology).
SAGAWA, OSAMU (Chinese Literature).
SATO, SHIZUAKO (English).
SHIGA, TEISUKE (German Language).
SHIRAI, SHUNJI (Physics).
SUDO, NOBORU (German).
WATANABE, YOSHIO (Philosophy).
YAGI, KENZO (Physical Geography).
YAMADA, ZENTARO (Law).
YAMAGUCHI, MAMORU (Chemistry).
YAMAMOTO, SOUICHI (Physics).
YAMASHITA, CHITOSE (Mathematics).
YOSHIDA, KENKO (Chinese Literature).

East College of Arts and Sciences:

ONUKI, YOSHIO (Geology).
OSANAI, TADAO (Physics).
SHIGEKURA, TAMISUKE (Jurisprudence).
SUGIHARA, YOSHINORI (Biology).
TAIRA, SHIGEMICHI (Japanese History).
TANABE, KENICHI (Geography).

TOKUSHIMA UNIVERSITY

6, 2-CHOME, SHINKURA-CHO, TOKUSHIMA
Telephone: (2) 5131
Founded 1949

President: KEIZO KODAMA.
Secretary-General: SUKENOBU KONDO.
Librarian: THUTOMO ITO, D.E.

Number of teachers: 408.
Number of students; 1,987.

DEANS:

Faculty of Liberal Arts and Teacher Training: KATSUHIRO OKADA, D.SC.
Faculty of Medicine: KAICHIRO KURODA, M.D., D.MED.SC.
Faculty of Pharmacy: HANJIRO ITO, PH.D.
Faculty of Engineering: TAIZO KUME, D.SC.

THE UNIVERSITY OF TOKYO

MOTOFUJI-CHO, BUNKYO-KU, TOKYO
Central Telephone: 812-2111.
Telegraphic Address: Tokuniv.
Founded 1877.

President: Dr. SEIJI KAYA.
Administrator: M. TURUTA.
Librarian: Dr. H. KISHIMOTO.

Number of professors: 697.
Number of students: 13,836.

DEANS:

College of General Education: S. AIHARA.
Faculty of Law: Dr. S. DANDO.
Faculty of Economics: Dr. K. OKOCHI.
Faculty of Letters: T. TEZUKA.
Faculty of Education: A. YODA.
Faculty of Engineering: Dr. M. YOSHIKI.
Faculty of Science: Dr. T. WATANABE.
Faculty of Agriculture: K. KAMIYA.
Faculty of Medicine: Dr. H. KUMAGAI.
Faculty of Pharmaceutical Sciences: Dr. Y. ITO.

PROFESSORS:

College of General Education:

ABE, AKIO (Literature).
ABE, YOSHIO (Literature).
AIHARA, SHIGERU (Economics).
AIZAWA, HIROSHI (German Language and Literature).
ANDO, HIROSHI (German Language and Literature).
ASAKURA, SUEO (French Language and Literature).
DOI, HIROYUKI (French Language and Literature).
DOKE, TADAMICHI (German Language and Literature).
EGUCHI, BOKURO (History).
FUJIKAWA, HIDEO (German Language and Literature).
FUJIKI, KUNIHIKO (History).
FURUYA, SHIGERU (Mathematics).
HASEGAWA, SHOHEI (English Language and Literature).
HIDEMURA, KINJI (History).
HIJIKATA, TATSUZO (English Language and Literature).
HIKAMI, HIDEHIRO (German Language and Literature).
HIRAOKA, NOBORU (French Language and Literature).
HORI, DAIJI (English Language and Literature).
ICHIKAWA, YASUJI (Literature).
IKUTA, TSUTOMU (Drawing).
IMAHORI, KAZUTOMO (Chemistry).
ISHIDA, EIICHIRO (Cultural Anthropology).
ISHIDA, JURO (Biology).
ISHIGURO, KOZO (Physics).
ITO, MASAMI (Law).
IWANAGA, KENKICHIRO (Political Science).
IWAO, SHUICHI (Earth Sciences).
KANAZAWA, HIDEO (Physics).
KANDA, JUNJI (Physical Education).
KANEKO, TAKEO (Literature).
KATAYAMA, NOBUO (Earth Sciences).

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KATO, KITSUO (Physical Education).
KATSUTA, SHUICHI (Science of Education).
KIKUCHI, EIICHI (German Language and Literature).
KIMURA, SHOICHI (Russian Language and Literature).
KIMURA, TOSHIO (Earth Sciences).
KIMURA, YOJIRO (Modern Science).
KISHIBE, SHIGEO (History).
KITAGAWA, TEIJI (English Language and Literature).
KIUCHI, SHINZO (Human Geography).
KODA, AKIRA (Drawing).
KOHRA, KAZUTAKE (Physics).
KOIKE, TATSUO (German Language and Literature).
KUDO, TAKAMURA (Chinese Language and Literature).
KUROKAWA, JUN-ICHI (Sociology).
MAEDA, YOICHI (French Language and Literature).
MARUYAMA, TAKEO (German Language and Literature).
MATSUMURA, TATSUO (English Language and Literature).
MATSUURA, NIRO (Chemistry).
MAYEDA, GORO (Classical Languages).
MIKAMI, TSUGIO (History).
MIMURA, YUKIO (Mathematics).
MIYABE, KIKUO (English Language and Literature).
MORI, SHIGEO (Mathematics).
MORIYA, MIKAO (Mathematics).
MUSHANOKOJI, SANEMITSU (French Language and Literature).
NAGASHIMA, CHOSETSU (Physical Education).
NAKAMURA, TOKSABRO (English Language and Literature).
NAKAYA, KEN ICHI (History).
NARUSE, MASAKATSU (Literature).
NITTO, MASATOSHI (Biology).
NOGAMI MOKICHIRO (Physics).
NOJIMA, MASANARI (German Language and Literature).
NUMANOI, HARUO (Biology).
OGA, KOSHIRO (German Language and Literature).
OGASAWARA, JIEI (Psychology).
ONO, SHU (Physics).
SAITO, EIJI (German Language and Literature).
SAITO, HIKARU (English Language and Literature).
SATO, DYUHEI (Biology).
SATO, KINJI (Biology).
SHIOMI, KENGO (Chemistry).
SHUMUTA, NATSUO (English Language and Literature).
TAKAGI, SACHIO (Physics).
TAKAHASHI, MAKOTO (Chemistry).
TAMAKI, HIDEHIKO (Physics).
TAMANOI, YOSHIRO (Economics).
TAMURA, JIRO (Mathematics).
TANAKA, TAIZO (German Language and Literature).
TERADA, TORU (French Language and Literature).
TOMIYAMA, YOSHIMASA (German Language and Literature).
TSUNODA, YOSHIKAZU (Chemistry).
UENO, KAGETOMI (English Language and Literature).
URAGUCHI, KENJI (Public Health).
WATANABE, AKIRA (English Language and Literature).
YAMAMOTO, KEIICHI (Law).
YAMAZAKI, MASAKAZU (Philosophy).
YOSHINO, YUKICHI (Chemistry).
YOSHIOKA, TSUTOMU (History).
YUASA, AKIRA (Biology).

Faculty of Law:
AOMI, JUNICHI (Philosophy of Law).
ASHIBE, NOBUYOSHI (Comparative Constitutional Law).
DANDO, SHIGEMITSU (Criminal Law).
FUKUDA, KANICHI (History of Political Theory).
HIRANO, RYUICHI (Criminal Procedure).
IKEHARA, SUEO (Conflict of Law).
ISHII, RYOSUKE (Japanese Legal History).
ISHII, TERUHISA (Commercial Law).
ISHIKAWA, KICHIEMON (Labour Law).
ITO, MASAMI (Anglo-American Law).
KATAOKA, TERUO (Roman Law).
KATO, ICHIRO (Civil Law).
KAWASHIMA, TAKEYOSHI (Civil Law).
KOBAYASHI, NAOKI (Constitutional Law).
KUBO, MASAHATA (Occidental Legal History).
KURUSU, SABURO (Civil Law).
MARUYAMA, MASAO (History of Oriental Political Thought).
MIKAZUKI, AKIRA (Civil Procedure).
NODA, YOSHIYUKI (French Law).
OGAWA, ICHIRO (Administrative Law).
SAITO, MAKOTO (Constitution, History and Diplomacy of America).
SHIGA, SHUZO (Oriental Legal History).
SUZUKI, TAKEO (Commercial Law).
TAKANO, YUICHI (International Law).
TANAKA, JIRO (Administrative Law).
TSUJI, KIYOAKI (Science of Public Administration).
YAMADA, AKIRA (German Law).
YAZAWA, MAKOTO (Commercial Law).

Faculty of Economics:
ANDO, YOSHIO (Modern Economic History of Japan).
ENDO, SHOKICHI (Public Finance, Local Government Finance).
KIMURA, SHIGEYOSHI (Accounting).
KIMURA, TAKEYASU (History of Economic Doctrines).
KONNO, GEMPACHIRO (Economics of Transportation).
MATSUDA, TOMOWO (Economic History).
MIYASAWA, KOICHI (Mathematical Statistics).
MOROI, KATSUNOSUKE (Cost Accounting).
NAITO, MASARU (Statistics).
NAKAMURA, TSUNEJIRO (Business Administration).
OISHI, YASUHIKO (Economic Statistics and Contemporary Economic Theories).
OKOCHI, KAZUO (Labour Problems and Labour Relations).
OTSUKA, HISAO (Economic History).
OUCHI, TSUTOMU (Agricultural Policy).
SUMIYA, MIKIO (Economics of Industry).
SUZUKI, KOICHIRO (Economics Theory).
TACHI, RYUICHIRO (Money and Banking).
TAKEDA, TAKAO (Public Finance).
YAMAGUCHI, KAZUO (Economic History of Japan).
YANAGAWA, NOBORU (Business Administration).
YANAI, KATSUMI (International Economics).
YOKOYAMA, MASAHIKO (Principles of Economic Policy).

Faculty of Letters:
ENOKI, KAZUO (Oriental History).
FUKUTAKE, TADASHI (Sociology).
FURUKAWA, TETSUSHI (Ethics).
GOMI, TOMOHIDE (Japanese Literature).
HATTORI, SHIRO (Linguistics).
HAYASHI, KENTARO (Occidental History).
HIRAI, MASAO (English Literature).
HIRAKAWA, AKIRA (Indian Buddhism).
HOGETSU, KEIGO (Japanese History).
HORIGOME, YOZO (Occidental History).
ICHIKO, TEIJI (Japanese Literature).
INOUE, KYUICHIRO (French Literature).
IWASAKI, TAKEO (Philosophy).
KANEKO, TAKEZO (Ethics).
KATSURA, JUICHI (Philosophy).
KISHIMOTO, HIDEO (Science of Religion and History of Religion).
KODZU, HARUSHIGE (Linguistics).
KOMAI, KAZUCHIKA (Archæology).
KUNIMATSU, KOJI (German Language and Literature)
MATSUMURA, AKIRA (Japanese Language).
MURAKAWA, KENTARO (Occidental History).
NAKAJIMA, FUMIO (English Language and Literature).
NAKAMURA, HAJIME (Indian Philosophy).
NISHIKAWA, MASAMI (American Literature).
OBATAKE, KIYOSHI (Science of Religion and History of Religion).
ODAKA, KUNIO (Sociology).
ONO, SHINOBU (Chinese Language and Literature).
SAGARA, MORIJI (Psychology).
SATO, KOICHI (German Literature).
SATO, SHINICHI (Medieval History).
SHIMOMURA, FUJIO (Japanese History).
SUDO, YOSHIYUKI (Oriental History).
SUGI, TOSHIO (French Language and Literature).
TAKEUCHI, TOSHIO (Æsthetics).
TEZUKA, TOMIO (German Language and Literature).
UMEZU, HACHIZO (Psychology).
UNO, SEIICHI (Chinese Philosophy).
YAMAMOTO, TATSURO (Oriental History).
YOSHIKAWA, ITSUJI (History of Fine Arts).

Faculty of Education:
HOSOYA, TOSHIO (Methods of Education).
IKAI, MICHIO (Physical Education).
KATSUTA, SHUICHI (Philosophy of Education).
MAKINO, TATSUMI (Educational Sociology).
MIKI, YASUMASA (Educational Psychology).
MIYAHARA, SEIICHI (Social Education).
MIYASAKA, TETSUFUMI (Methods of Education).

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MIZUNO, TADAFUMI (Physical Education).
MUNAKATA, SEIYA (Educational Administration).
NAKA, ARATA (History of Education).
OGURI, KAZUYOSHI (Health Education).
SAWADA, KEISUKE (Educational Psychology).
YODA, ARATA (Educational Psychology).

Faculty of Engineering:

AIDA, CHOJIRO (Naval Architecture).
AMEMIYA, AYAO (Theoretical Physics and Applied Mathematics).
ANDO, SHINGO (Fuel Chemistry).
ANDO, YOSHIO (Nuclear Propulsion and Reactor Structure).
AOKI, MASAHARU (Physical Electronics).
AOKI, YASUO (Precision Engineering).
ASAKA, TETSUICHI (Mathematical Statistics).
AZUMA, KIYOSHI (Non-ferrous Extractive Metallurgy).
CHIJIIWA, KENJI (Plastic Working and Casting).
FUCHIDA, TAKATO (Applied Geophysics and Reservoir Engineering).
FUJII, KIYOMITSU (Petroleum Drilling and Production Engineering).
FUJII, SUMIJI (Vehicle Engineering).
FUJITAKA, SHUHEI (Electric Power Engineering).
FUKUI, SHINJI (Precision Engineering).
GOKYU, ISAO (Physical Metallurgy).
HASIGUTI, RYUKITI (Metal Physics).
HASUNUMA, HIROSI (Applied Physics).
HATTA, KEIZO (Aero Engines).
HAYASHI, TSUYOSHI (Aeronautics).
HIKITA, TSUTOMU (Combustion Chemistry).
HIOKI, RYUICHI (Applied Optics).
HIRAI, ATSUSHI (Bridge Engineering).
HOH, SEISABURO (Electrical Engineering).
HOMMA, MASASHI (Harbour and Coastal Engineering).
IKI, SHOJI (Coal Mining).
IMAI, HIDEKI (Economic Geology).
IMAIZUMI, TSUNEMASA (Mineral Dressing).
INOSE, HIROSHI (Electronic Engineering).
INUI, TAKAO (Naval Architecture).
INUI, TETURO (Theoretical Physics and Applied Mathematics).
ISHIKAWA, KAORU (Fuel Chemistry, Heat Economy, Quality Control).
ISOBE, TAKASHI (Instrumentation Physics).
IWAKURA, YOSHIO (Synthetic Chemistry).
KAMADA, HITOSHI (Techno-Analytical Chemistry).
KAMIYAMA, M. (Physical Electronics).
KANAZAWA, TAKESHI (Naval Architecture).
KATTO, YOSHIRO (Marine Engineering).
KAWADA, MASAAKI (Internal Combustion Engines).
KIHARA, HIROSHI (Naval Architecture).
KIKUCHI, YOHEI (Production Engineering).
KOIZUMI, IWAO (Marine Engineering).
KOKUBU, MASATANE (Concrete and Reinforced Concrete Engineering).
KONDO, JIRO (Aeronautics).
KONDO, KAZUO (Mathematical Engineering).
KUMAGAI, SEIICHIRO (Aero-Engines).
KUNII, DAIZO (Chemical Engineering).
KUNUGI, TAISEKI (Synthetic Chemistry).
MAKISHIMA, SHOJI (Industrial Chemistry).
MATSUNAGA, MASAHISA (Precision Engineering).
MATSUSHITA, KIYOO (Building Construction).
MATSUSHITA, YUKIO (Iron Matallurgy).
MATSUZAKI, KEI (Synthetic Chemistry).
MISHIMA, YOSHITSUGU (Nuclear Metallurgy).
MISONO, AKIRA (Industrial Chemistry).
MIYAUCHI, TERUKATSU (Chemical Engineering).
MOGAMI, TAKEO (Soil Mechanics and Highway Engineering).
MORI, YOSHIRO (Chemical Engineering).
MORIGUCHI, SHIGEITI (Mathematical Engineering).
MOTORA, SEIZO (Naval Architecture).
MUKAIBO, TAKASHI (Nuclear Reactor Materials).
NAKA, TAKEO (Steel Structure and Welding Engineering).
NAKAGUCHI, HIROSHI (Aeronautics).
NAMBA, KEIHO (Explosives Chemistry, Safety Engineering).
NIKI, EIJI (Techno-Analytical Chemistry).
NISHIMURA, GENROKURO (Precision Engineering).
NISHINO, OSAMU (Radiation Measurement and Instrumentation).
NISHIWAKI, NIICHI (Marine Engineering).
OGISO, S. (Lighting, Sun Control, Colour Planning).
OKAMURA, SOGO (Electronics).
OKAZAKI, TAKURO (Aero-engines).
OKUMURA, TOSHIE (Applied Mechanics and Structural Engineering).
OSATAKE, TONU (Electrical Communications).
OSHIMA, KEICHI (Applied Radiation Chemistry).
OTA, HIROTARO (History of Architecture).
OYAMA, AKIRA (Nuclear Reactor Engineering).
SAKAMOTO, TOSHIFUSA (Electronic Engineering).
SANUKI, MATAO (Aeronautics).
SEKIGUCHI, T. (Electrical Engineering).
SHIMA, SUKEYUKI (Hydraulic Engineering).
SHIMOMURA, YATARO (Metal Mining and Quarry Engineering).
SHIRAKURA, MASAAKI (Fluid Mechanics and Machinery).
SOBUE, HIROSHI (Industrial Chemistry).
SODA, NORIMUNE (Aero-Engineering).
SUGENO, TAKESHI (Metal Physics, Temperature Measurement).
SUGIYAMA, MASATAKA (Metal Processing and Alloys).
SUZUKI, KO (Mine Machinery).
TACHIBANA, FUJIO (Nuclear Chemical Engineering).
TAKAGI, ATSUSHI (Naval Architecture).
TAKAYAMA, EIKA (City Planning, Housing).
TAKENAKA, N. (Metal Cutting and Machine Tools).
TAKI, YASUO (Electrical Communications).
TANGE, KENZO (Urban Design).
TERAO, MITSURU (Electronic Measurement and Control).
TOKUHIRA, ATSUSHI (Sanitary Engineering).
TSUDA, KOICHI (Marine Engineering).
UCHIDA, HIDEO (Heat Engineering).
UDOGUCHI, TERUYOSHI (Strength of Materials).
UEDA, TATSUHIRO (Heat and Heat Engines).
UMEMURA, HAJIME (Structural Engineering).
URAGUCHI, YUZO (Chemical Engineering).
UTSUNOMIYA, TOSHIO (Electrical Engineering).
WADA, YASAKU (Applied Physics).
WASHIZU, KYUICHIRO (Aeronautics).
WATANABE, SHIGERU (Mechanism and Dynamics of Machines).
YAGI, SAKAE (Chemical Engineering).
YAMADA, NAOHEI (Electrical Engineering).
YAMAGUCHI, GORO (Industrial Chemistry).
YAMAMOTO, YUTAKA (Nuclear Chemical Engineering).
YAMAMURA, SAKAE (Electrical Engineering).
YAMANA, MASAO (Aeronautics).
YANAI, HISAYOSHI (Electronic Engineering).
YASOSHIMA, YOSHINOSUKE (Transportation and Railway Engineering).
YONEDA, YUKIO (Synthetic Chemistry).
YOSHIKI, MASAO (Naval Architecture).
YOSHITAKE, YASUMI (Architectural Design and Planning).
YOSHIZAWA, TAKEO (Experimental Mechanical Engineering).

Faculty of Science:

AKAMATSU, HIDEO (Physical Chemistry).
AKITA, YASUKAZU (Radiation Biology).
ANDO, TOSHIO (Protein Chemistry).
EGAMI, FUJIO (Enzymology).
FUJII, TAKASHI (Embryology and Histology).
FUJITA, YOSHIO (Astrophysics).
FUJIWARA, SHIZUO (Analytical Chemistry).
HARA, HIROSHI (Phyto-geography).
HATANAKA, TAKEO (Radio Astronomy).
HIDAKA, KOJI (Physical Oceanography).
HIRATA, MORIZO (Applied Physics).
HONDA, KOKICHI (Seismology).
HUKUHARA, MASUO (Differential Equations).
IMAI, ISAO (Mathematical Physics).
IYANAGA, SHOKICHI (Geometry).
KAWADA, YUKIYOSI (Algebra and Topology).
KIHARA, TARO (Theoretical Physics).
KIMURA, TOSHIO (Historical and Structural Geology).
KINOSITA, HARUO (Animal Physiology).
KOANA, JYUN (Optics).
KOTANI, MASAO (Theoretical Physics).
KUBO, RYOGO (Theoretical Physics).
KUNO, HISASHI (Petrology).
MAEKAWA, FUMIO (Systematic Botany and Phytology).
MIYAMOTO, GORO (Nuclear Physics).
MONSI, MASAMI (Plant Ecology).
MORINO, YONEZO (Physical Chemistry).
NAGATA, TAKESI (Geomagnetism and Upper Atmosphere Physics).
NISHIKAWA, TETSUJI (High Energy Gamma Ray).
NODA, HARUHIKO (Bio-Physical Chemistry).

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NOGAMI, YOZO (Experimental Nuclear Physics).
OGURA, YASUYUKI (Physical Chemistry of Enzymes).
OKI, MICHINORI (Organic Chemistry).
SADANAGA, RYOICHI (X-ray Crystallography).
SAITO, NOBUFUSA (Inorganic Chemistry).
SATAKE, ICHIRO (Algebra, Topology, Theory of Numbers).
SATO, HISASHI (Physical Georaphy, Regional Geography).
SHIMANOUCHI, TAKEHIKO (Physical Chemistry).
SHIMODA, KOICHI (Experimental Physics).
SHIMOKORIYAMA, MASAMI (Plant Physiology).
SIMAMURA, OSAMU (Organic Chemistry).
SUZUKI, HIDEJI (Solid State Physics).
SUZUKI, HISASHI (Physical Anthropology).
SYONO, SIGEKATA (Meteorology).
TAKAHASHI, HIDETOSHI (Applied Physics).
TAKAHASHI, TAKEYOSHI (Organic Chemistry).
TAKAI, FUYUJI (Palæontology).
TAKAMIYA, ATSUSHI (Microbiology, Cell Physiology, Photosynthesis).
TAKEUCHI, HITOSHI (Geodynamics).
TAKEWAKI, KIYOSHI (Experimental Morphology).
TANAKA, NOBUNORI (Cyto-Genetics).
TOMIYAMA, ITIRO (Systematic Zoology).
UMEZAWA, HIROOMI (Nuclear Physics).
WATANABE, TAKEO (Economic Geology).
YOSHIDA, KOSAKU (Functional Analysis Theory of Probability).
YOSHIKAWA, TORAO (Physical and Regional Geography).

Faculty of Agriculture:

ARIMA, KEI (Microbiology).
ARUGA, HISAO (Sericulture).
ASUYAMA, HIDEFUMI (Plant Pathology).
FUKUDA, HITOSHI (Water Utilisation in Agriculture).
FUNAHASHI, SABURO (Biochemistry).
FURUSHIMA, TOSHIO (Agricultural Policy).
HASHIMOTO, YOSHIRO (Utilisation of Marine Products).
HATAMURA, MATAYOSHI (Biometrics).
HIRAI, SHINJI (Wood Technology).
HIYAMA, YOSHIO (Aquatic Zoology and Fishery).
HOSHI, TOSHIRO (Veterinary Physiology).
INOKUMA, TAIZO (Forest Botany).
KAMIYA, KEIJI (Agricultural Finance).
KANAZAWA, NATSUKI (Farm Management).
KANDATSU, MAKOTO (Chemistry of Nutrition and Animal Feeding).
KATO, SEIHEI (Forest Utilization).
KAWATA, SHINICHIRO (Crop Production).
KOBO, KENZO (Soil Science).
MATSUE, YOSHIYUKI (Oceanography).
MATSUI, MASANAO (Organic Chemistry).
MATSUO, TAKANE (Plant Breeding and Genetics).
MATSUURA, FUMIO (Fisheries Chemistry).
MIGITA, NOBUHIKO (Pulp and Wood Chemistry).
MINE, ICHIZO (Forest Administration).
MITSUI, SHINGO (Plant Nutrition and Fertilisers).
NAGATA, RYUNOSUKE (University Forests).
NAITO, MOTOO (Animal Breeding).
NAKATSUKA, TOMOICHIRO (Chemistry of Wood Materials).
NISHIDA, SHIICHI (Veterinary Anatomy).
NITTO, MASATOSHI (Forest Zoology).
OGATA, MANABU (Microbiology and Immunology).
OGIHARA, SADAO (Erosion Control).
OHSHIMA, YASUO (Aquatic Zoology and Agriculture).
OKABE, TOSHIO (Physiology of Animal Exercise).
OKOSHI, SHIN (Veterinary Medicine).
OKUBO, YOSHIO (Veterinary Pharmacology).
SAKURAI, YOSHITO (Food Chemistry).
SATO, TAISHICHIRO (Silviculture).
SENDA, MASATI (University Forests).
SHIBAMOTO, TAKEO (Forest Chemistry).
SHIMADA, KINZO (Forest Policy).
SHINOHARA, TAIZO (Agricultural Economics).
SHOJI, FUSANOBU (Agricultural Machinery).
SUGI, JIRO (Salt Field Engineering).
SUGIYAMA, TADAYOSHI (Pomology and Vegetable Crops).
SUYEHIRO, TASUO (Physiology of Aquatic Animals).
TAKAHASHI, HAJIME (Radio-microbiology).
TAKAHASHI, NOBUKIYO (University Forests).
TAMURA, SABURO (Utilisation of Agricultural Products).
TOGARI, YOSHITSUGU (Crop Science).
TSUGO, TOMOKICHI (Technology of Animal Products).
WATANABE, SUKENAKA (University Forests).
YAMADA, KOICHI (Fermantetion Technology).
YAMAMOTO, SHUTARO (Veterinary Pathology).
YAMASAKI, FUJIO (Land Reclamation).
YOKOYAMA, MITSUO (Landscape Architecture and Floriculture).

Faculty of Medicine:

AKIBA, TOMOICHIRO (Bacteriology).
AKIMOTO, HARUO (Psychiatry and Neurology).
EBASHI, SETSURO (Pharmacology).
FUJITA, TSUNETARO (Anatomy).
GOTO, MASAKATSU (Bacteriology).
HAGIWARA, HOGARA (Ophthalmology).
HAYASHI, HAJIME (Oral Surgey).
HAYASHIDA, TAKEO (Surgery).
HOSOKAWA, HIROSHI (Anatomy).
INOUE, EIJI (Psychiatry and Neurology).
ISHIKAWA, KOICHI (Surgery and Neurosurgery).
IWATA, KAZUO (Bacteriology).
KASAMATSU, AKIRA (Psychiatry and Neurology).
KATSUNUMA, HARUO (Public Health).
KAWAMURA, TARO (Dermatology).
KIMOTO, SEIJI (Surgery).
KIRIKAE, ICHIRO (Oto-Rhino-Laryngology).
KITAMOTO, OSAMU (Medicine).
KOBAYASHI, TACHIO (Medicine).
KOBAYASHI, TAKASHI (Gynæcology and Obstetrics).
KUDO, SHOSHIRO (Bacteriology).
KUMAGAI, HIROSHI (Pharmacology).
KUSAMA, TOSHIO IH. (Anatomy).
MATSUDA, KOJIRO (Physiology).
MIKI, ISAHARU (Orthopædic Surgery).
MIYAKAWA, TADASHI (Radiology).
MIYAKE, MASASHI (Pathology).
MORIYAMA, YUTAKA (Gynæcology and Obstetrics).
NAKAI, JUNNOSUKE (Anatomy).
NAKAO, KIKU (Medicine).
OSHIMA, YOSHIO (Physical Therapy).
OTA, KUNIO (Pathology).
SASA, MANABU (Parasitology).
SHIMAZONO, NORIO (Biochemistry).
SHIRAKI, HIROTSUGU (Psychiatry and Neuropathology).
SUZUKI, KAN (Serology).
TAKATSU, TADAO (Pædiatrics).
TAKAYASU, HISAO (Urology).
TOKIZANE, TOSHIHIKO (Neurophysiology).
TOYOKAWA, KOHEI (Hygiene).
TSUKAHARA, KUNIO (Public Health).
UEDA, HIDEO (Medicine).
UENO, SHOKICHI (Forensic Medicine).
URAGUCHI, KENJI (Pharmacology).
YAMAKAWA, TAMIO (Biochemistry).
YAMAMURA, HIDEO (Anæsthetics).
YOSHIKAWA, HARUHISA (Nutrition).
YOSHITOSHI, YAWARA (Medicine).

Faculty of Pharmaceutical Sciences:

ITO, YOSOJI (Physiological Chemistry).
KWAN, TAKAO (Physico-Chemical Technology).
MIZUNO, DENICHI (Microbial Chemistry).
NOGAMI, HISASHI (Pharmaceutics).
OKAMOTO, TOSHIHIKO (Pharmaceutical Chemistry).
SHIBATA, SHOJI (Pharmaceutical Plant Chemistry).
TAKAGI, KEIJIRO (Chemical Pharmacology).
TAMURA, ZENZO (Analytical Chemistry).
TSUBOI, MASAMICHI (Physical Chemistry).
TSUDA, KYOSUKE (Organic Chemistry of Natural Products).
UKITA, TYUNOSIN (Hygienic and Forensic Chemistry).
YAMADA, SHUNICHI (Pharmaceutical Engineering Chemistry).
YANAGIDA, T. (Pharmaceutical Chemistry).

TOKYO INSTITUTE OF TECHNOLOGY
(Tokyo Kogyo Daigaku)

1, OOKAYAMA, MEGURO-KU, TOKYO
Telephone: (726) 1111
Founded 1881

President: Dr. YOSHITOSHI OYAMA.
Chief Administrative Officer: TOSHIO HARA.
Librarian: Prof. JIRO OISHI.

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Number of teachers: 527.
Number of students: 2,758.

Publications: *Bulletin, Series A, Series B, Kodai Mathematical Seminar Reports* (*Bulletin Series C*).

PROFESSORS;

Mathematics:
IKEHARA, SHIKAO
KAWATA, TATSUO
KOMATSU, YASAKU
KUNISAWA, KIYONORI
OTSUKI, TOMINOSUKE
TOYAMA, HIRAKU
YANO, KENTARO

Physics
FUKUDA, HIROSHI
HONJO, GORO
HORIE, HISASHI
NIIRA, KAZUO
ODA, YUKIYASU
SAWADA, SHOZO

Chemistry
ANDO, NOBORU
INAMURA, YASUO
IWASAKI, IWAJI
OTA, MASAKI
SATO, TETSUO
SHIBATA, KAZUO
SHIDA, SHOJI
TANAKA, IKUZO

Applied Physics:
OISHI, JIRO

Metallurgy:
MORINAGA, TAKUICHI
NAGASAKI, KYUYA
OKAMOTO, SHOZO
SAKUI, SEITA

Textile Engineering:
AZUMA, NOBORU
ISHIKAWA, SHOICHI
MAEDA, HIROKUNI
SHIRAKASHI, KAN

Inorganic Material Engineering
KAWAKUBO, SHOICHIRO
MORIYA, TARO
SHIRAKI, YOICHI
YAMADA, HISAO

Chemical Engineering:
FUJITA, SHIGEFUMI
ITO, SHIRO
KEI, TOMINAGA
SATO, KAZUO
SHIBA, TADAO
SUEZAWA, YOSHITADA

Industrial Chemistry:
KUBO, TERUICHIRO
SAKIKAWA, NORIYUKI
TSURUOKA, SHINZO

Polymer Science:
HARA, NOBUYOSHI
INOUE, YUKIHIKO
NOGUCHI, TATSUYA
SEKIDO, MINORU

Applied Electrochemistry:
HOSHINO, YASUSHI
MUKAI, MASAO
SUGINO, KIICHIRO

Mechanical Engineering:
ASAEDA, TOSHIO
ITAYA, SHOJU
KONDO, MASAICHI
KAWASHIMO, KENSUKE
KUSAMA, HIDETOSHI
MASUKO, MASAMI
MORI, YASUO
MUROTA, TADAO
NAKAHARA, ICHIRO
OKAMOTO, TETSUSHI

Mechanical Engineering for Production:

Control Engineering:
IZAWA, KEISUKE
TAKAI, HIROYUKI
TANIGUCHI, OSAMU
TERANO, TOSHIRO

Industrial Engineering:
ISOBE, KIICHI
KOBAYASHI, YASUO
KOGURE, MASAO

Electrical Engineering
MIYAIRI, SHOTA
NAITO, MASASHI
NAKANO, YOSHIEI
SAITO, YUKIO

Electronics:
GOTO, MOCHINORI
KAWAKAMI, MASAMITSU
NISHIMAKI, MASAO
SAKAI, YOSHIO

Architecture:
FUJIOKA, MICHIO
FUJIMOTO, MORIHISA
FUTAMI, HIDEO
HARADA, TAMOTSU
KATO, MUTSUMI
KATSUTA, CHITOSHI
SEIKE, KIYOSHI
TANIGUCHI, YOSHIRO

Industrial Dynamics:
AOKI, HIROSHI

Humanities:
KAWAKITA, JIRO
TANAKA, MINORU
YASUGI, RYUICHI

Social Sciences:
MIYAGI, OTOYA

Natural Science:
HOSOI, TERUHIKO

Foreign Languages:
DOI, YOSHINOBU
ITO, HITOSHI
KOBAYASHI, HIDEO
TAKEZAWA, KEIICHIRO
TOMIYA, TAKASHI

Physical Education:
SHIOTANI, MUNEO
URAMOTO, MITSUGI

Graphic Engineering Laboratory:
INOUE, EIICHI

Research Laboratory of Nuclear Reactors:
KAKIHANA, HIDETAKE
KURODA, TADASHI
NISHIWAKI, YASUSHI
OYAMA, YOSHITOSHI
SHINDO, MASUO
TAKEDA, EIICHI

Research Laboratory of Resources Utilization:
FUNAKI, KOEMON
KANBARA, SHU
KOJIMA, KUNIO
MIZUGUCHI, JUN
MIZUNO, SHIGERU
MORIKAWA, KIYOSHI
SHIRAI, TAKASHI

Research Laboratory of Precision Machinery and Electronics:
AWAYA, KIYOSHI
FUKUYO, HITOCHACHI
ISHIKAWA, JIRO
MIYATA, FUSACHIKA
NAKADA, TAKASHI
SANEYOSHI, JUNICHI
TANAKA, MINORU
YAMAMOTO, AKIRA
YOKOYAMA, KINJI

Research Laboratory of Engineering Materials:
GOTO, KAZUO
CHIHIRO KAWASHIMA,
KIYOURA, RAISAKU
TAGAI, HIDEO

TOKYO METROPOLITAN UNIVERSITY

MEGURO-KU, TOKYO
Telephone: (717) 0111

Founded 1949

President: Dr. YUGABURO NAGAI.
Director of Administrative Bureau: KOICHIRO SHINDO.

DEANS:

Faculty of Social Science and Humanities: HIDEO KANOO.
Faculty of Law and Economics: KURAJI OGURA.
Faculty of Science: DAIGORO MORIWAKI.
Faculty of Technology: SIEGO TANI.

TOTTORI UNIVERSITY

1 5-CHOME, TACHIKAWA-CHO, TOTTORI CITY
Telephone: 2241

President: MOMOSHIGE MIURA.
Administrator: TOSHIO TONOMI.

DEANS:

Faculty of Liberal Arts: MASATO MAEDA.
Faculty of Medicine: KIYOSHI TANAKA.
Faculty of Agriculture: YOSHIO OTANI.

TOYO UNIVERSITY

17 HARAMAMACHI, BUNKYO-KU, TOKYO
Telephone: Otsuka (941) 7186-9

President: SAKUMA KANAE.

DEANS:

Faculty of Letters: NISHI GIYU.
Faculty of Economics: TAKEMURA TOYOTARO.
Faculty of Law: MITA KOZABURO.
Faculty of Sociology: CHIBA YUJIRO.
Faculty of Technology: AGASHI MAKOTO.
Faculty of Liberal Arts: BABA BUNNO.

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YAMAGUCHI UNIVERSITY

SHIMMICHI, YAMAGUCHI

Telephone: 1820

Founded 1949

President: AKIRA TANAKA, PH.D.
Secretary-General: KURAKICHI SHIBATA.
Librarian: TADASUKE OKUDA.

Number of teachers: 324.
Number of students: 3,140.

DEANS:

Faculty of Literature and Science: TORAO OKAZAKI.
Faculty of Education: TADASHI TOKUMITSU.
Faculty of Economics: SHIN-SUKE TAKAGI.
Faculty of Engineering: HIROSHI IMAGAWA.
Faculty of Agriculture: SABURO KITAJIMA.
Technical Junior College: KUMAO HORIUCHI (acting).

YOKOHAMA NATIONAL UNIVERSITY

702 OHOKAMACHI, MINAMIKU, YOKOHAMA

Telephone: (3) 2531.5

Founded 1949

President: KIYOSHI KUROSAWA.
Administrator: TAKASHI NAGASHIMA.

Number of teachers: 300.
Number of students: 3,200.
Publication: *Journal.*

DEANS:

Faculty of Arts and Education: JITSUJI MATSUZAKI.
Faculty of Economics: KIYOSHI KUROSAWA.
Faculty of Technology: SHOICHIRO NAGAI.

YOKOHAMA MUNICIPAL UNIVERSITY

4646 MUTSUURA-MACHI, KANAZAWA-KU, YOKOHAMA

Telephone: (7) 9324

Founded 1949

President: ITSUMA TAKAKI.
Secretary-General: YOSHIWO OHSUNA.

Library of 73,250 vols.
Number of teachers: 237.
Number of students: 2,100.
Publications: *Journal, Bulletin, Yokohama Medical Bulletin* (English), *Journal of Yokohama Medical Association, Economy and Trade.*

DEANS:

Faculty of Commerce: SHIRO TAJIMA.
Faculty of Science and Literature: HIROOTO SAEGUSA.
Faculty of Medicine: ITSUMA TAKAKI.

PUBLIC, PREFECTURAL AND MUNICIPAL UNIVERSITIES OF ONE OR TWO FACULTIES

Fukushima Medical College: 5-75, Suginome-cho, Fukushima City, Japan; Pres. MASAO MUTO; 295 students.

Gifu Prefectural College of Medicine: Gifu-shi, Tsukasa-machi; Pres. KYO OKADA.

Japan Women's University: Takata-Toyokawa-cho, Bunkyo-ku, Tokyo; f. 1901; 201 teachers, 2,650 students; Pres. Miss TANO JODAI; Deans Miss KAN TSUKIDA, Mrs. HISAKO UJIYE, Mrs. KYOKO OHRA; Registrar TAKUMA BAN; Librarian SHIGEHO SHINOZAKI; publ. *Nihon Joshidaigaku Kiyo* (journal).

Kobe Medical College: Hyogo-ken, Kobe-shi, Ikuta-ku, 38 Kusunok-cho 6-chome; f. 1946 as Hyogo Prefectural Medical College; library of 14,031 vols.; Dir. CHUSETSU ENDO, M.D.; Chief of Educational Affairs SHUZO MATSUSHIMA, M.D.; Guidance and Welfare Prof. HIDEO MABUTI, M.D.; Chief of Administration MASAO YOSHIDA; number of teaching staff, 134, including 25 professors; publs. *Kobe Ika Daigaku Kiyo* (bulletin, quarterly), in Japanese; *Kobe Journal of the Medical Sciences* (in foreign languages).

Kyoto Prefectural University of Medicine: Kyoto-shi, Kamikyo-ku, Kawara-machi Hirokoji; Pres. TSUNEKAZU YUGE.

Mie Prefectural University: Torii-cho, Tsu; medicine and arts and science; Pres. ATSUSHI WATANABE.

Nagoya City University: Nagoya-shi, Mizuho-cho; 600 students; teaching staff 240; Pres. REVI KIMURA, M.D.; publs. *Nagoya Medical Journal* (quarterly, English), *Journal of the Nagoya City University Medical Association* (quarterly, Japanese), and annual bulletins of the Pharmaceutical School and of the Dept. of General Education of Nagoya City University (both in Japanese).

Nara Medical University: Kashihara-city, Nara-pref.; Dir. JUNICHI OGATA.

Osaka Prefectural University: Mozuumemachi 4-804, Sakai, Osaka; Faculties of Engineering, Agriculture and Economics; Pres. SHIGERU AKASAKI; 3,500 students.

Sapporo Medical College: S.1, W.17, Sapporo City; f. 1945 as Hokkaido Women's Medical College, name changed 1950; library of 52,600 vols.; number of teaching staff 104; including 31 professors; number of students 393; Pres. SATOSU NAKAGAWA; publ. *Sapporo Igaku Zasshi* (Sapporo Medical Journal) (with English summaries).

Tokyo Medical and Dental University: Tokyo-to, Bunkyo-ku, Yushima 3; f. 1946; library of 83,000 vols.; Dir. MASAHIRO OKADA, M.D.; Deans FUMIHIKO SHIMIZU (Medicine), ISAMU NAKAZAWA; 170 teachers, 1,438 students.

Tokyo University of Arts: Ueno Park, Daito-ku, Tokyo; f. 1949 on the amalgamation of the Tokyo Academy of Fine Art and the Tokyo Academy of Music; teachers 140, students 1,568; four-year course in Music or Fine Arts; Pres. NAOTERU UYENO.

Tokyo University of Education: Tokyo-to, Bunkyo-ku, Osuka, Kubomachi 24; Pres. Dr. TOMOO MIWA. Since 1949 the University of Education has incorporated Tokyo Univesity of Literature and Science, and Tokyo Higher Normal School; number of teachers 483, students 4,227; publ. *Science Reports* (irregular).

Tokyo University of Foreign Studies: 4-51 Nishigahara Kita-ku, Tokyo; Pres. YOSHIO OGAWA; 176 teachers; 1,847 students.

Wakayama Medical College: Wakayama-shi, Misono-cho, 5-chome; f. 1945; library of 19,254 vols.; Pres. KATASHI ICHIHARA; teachers 131, students 187; publs. *Wakayama Medical Reports* (annual), *Journal of Wakayama Medical Society* (quarterly).

Yamaguchi Prefectural Medical College: 1144 Kogushi, Ube-shi; Dir. SHIGEKI MORI.

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PRIVATE UNIVERSITIES

CHUO UNIVERSITY

KANDA-SURUGADAI, CHIYODA-KU, TOKYO

Telephone: 29.7211.9

Founded 1885.

President and Chair. Board of Directors: KOSHIRO SHIBATA.

Number of teachers: 672, including 168 professors.
Number of students: 25,000.

Publications: *Chuo Law Review* (monthly), *Journal of Economics and Commerce, Chuo Review* (both every two months), *Chuo University News* (three times per month).

DEANS:

Faculty of Jurisprudence: NUBUO ASAKAWA.
Faculty of Economics: MORIYOSHI CHYO.
Faculty of Commerce: TSTSUO INOUE.
Faculty of Engineering: KEIICHI HIROSE.
Faculty of Literature: KYUTARO TAKASE.

DOSHISHA UNIVERSITY

KARASUMA IMADEGAWA, KAMIKO-YU, KYOTO.

Founded 1875.

Chancellor: SETSUJI OTSUKA.
President: Dr. NAOZO UENO.
Registrar: HIDEO MIKI.
Secretary: RYOICHI TANAKA.

Number of professors: 275.
Number of students: 13,950.
University publications: *Studies in Christian Religion, The Liberal Arts, Law Review, Economics Review, Studies in Commerce, Doshisha Engineering Review.*

DEANS:

Faculty of Theology: MASASHI TAKAHASHI.
Faculty of Literature: CHUICHI SAKURAI.
Faculty of Law: TAKEJI TSUNETO.
Faculty of Economics: E. KURODA.
Faculty of Technology: M. KAKUZEN.
Faculty of Commerce: KIYOYUKI TOKUNAGA.

DOSHISHA WOMEN'S COLLEGE OF LIBERAL ARTS

602 GENBU-CHO, KAMIGYO-KU, KYOTO

President: FUMIO OCHI.

Number of professors: 57.
Number of students: 2,182.

HOSEI UNIVERSITY

FUJIMICHO CHIYODA-KU, TOKYO

Telephone: (331) 2351

President: TETSZO TANIKAWA.
Registrar: HIROSHI IWANAGA.

Number of students: 6,000.
The University Press publishes about 300 scientific and cultural books.

DEANS:

Faculty of Humanities: SEIKEI OKAMOTO.
Faculty of Jurisprudence: SHO ISHIMODA.
Faculty of Economics: TADASHI NAKANO.
Faculty of Engineering: SHIGETAKA SHIMURA.
Faculty of Social Sciences: SHIGEO HENMI.
Faculty of Business Administration: TSUNEJI HIRANO.
1st Dept. of General Education: TAKASHI INUI.
2nd Dept. of General Education: TAKEMA TAKATO.

INTERNATIONAL CHRISTIAN UNIVERSITY

1500 OSAWA, MITAKA-SHI, TOKYO

Telephone: 0422-3-3131.
Telegraphic Address: Inchristun Musashino.

Founded 1949.

The aim of the ICU is to create an academic tradition of freedom and reverence based on truth, to educate men and women of integrity and to acquire international culture and discernment befitting the members of a democratic society in the service of God and humanity. Fifteen major Protestant denominations guarantee support through the Japan ICU Foundation, Inc. (offices at the Interchurch Centre, 475 Riverside Drive, New York 27, N.Y., U.S.A.). Students are accepted without reference to race, creed, sex or nationality.

President: Dr. NOBUSHIGE UKAI.
Vice-President for Academic Affairs: Dr. EVERETT KLEINJANS.
Vice-President for Student Affairs: Prof. DAISHIRO HIDAKA.
Vice-President for Finance: HALLAM C. SHORROCK.
Librarian: Miss TANE TAKAHASHI.

Number of teachers: 100 (31 non-Japanese).
Number of students: 1,121 (138 non-Japanese).

DEANS:

College of Liberal Arts: Dr. YOSITO SINOTO.
Graduate School of Education and Public Administration: Prof. DAISHIRO HIDAKA.

KANSAI UNIVERSITY

OSAKA-FU, SUITA-SHI, SENRIYAMA 17

Telephone: Osaka 38-4021.

Founded 1886.

President: TAKAJIRO YAGUCHI, EC.D.
Chairman of the Board of Directors: MANJI MIYOSHI.

Number of teachers: 479, including 101 professors.
Number of students: 17,239.
Publications: *Bungaku Ronshu* (Literary Essays), *Hogaku Ronshu* (Law Review), *Kokubungaku* (Japanese Literature), *Eigaku* (English Literature), *Kansai Daigaku Gakuko* (Bulletin of the University), *Keizaigaku Ronshu* (Economic Review), *Shogaku Ronshu* (Business Review), *Kogaku Kenkyu* (Technology Reports).

DEANS:

Graduate School: TARO MORIKAWA.
Faculty of Law: YOSHITOSHI NAKATANI.
Faculty of Economics: FUJIYOSHI MATSUBARA.
Faculty of Literature: SUTEZO HIROSE.
Faculty of Commerce: IKUTA UENO.
Faculty of Technology: SHINSUKE TANAKA.

KEIO UNIVERSITY

MITA, SHIBA, MINATO-KU, TOKYO

Telephone: 451-5181

Founded 1858

President: SHOHEI TAKAMURA.
Secretary: TAKAO KAWAKUBO.
Librarian: MITSUO MAEHARA.

Number of teachers: 2,192.
Number of students: 22,478.
Publications: *Hogaku Kenkyu* (Journal of Law, Politics, and Sociology), *Mita Gakkai Zasshi* (Mita Journal of Economics), *Keio Igaku* (Keio Medical Journal), *Kogakubu Kiyo* (Proceedings of Faculty of Engineering), *Shigaku* (History Journal), *Tetsugaku* (Journal of Philosophy), *Geibun* (Art and Literature), *Mita Hyoron* (Alumni News), *Mita Shogaku Kenkyu* (Mita Business Review).

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DEANS:

Faculty of Letters: KATSUKUMA SATO.
Faculty of Economics: TOKUTARO KOIKE.
Faculty of Law: KOTARO IMAIZUMI.
Faculty of Business and Commerce: YASURA SUZUKI
Faculty of Engineering: TOMOYUKI SOMIYA.
School of Medicine: HISAKICHI MATSUBAYASHI.

KOKUGAKUIN UNIVERSITY

No. 9, WAKAGI-CHO, SHIBUYA-KU, TOKYO

Founded 1882.

President: YUKITADA SASAKI.
Registrar: TAKEJI KOBAYASHI.

Number of teachers: 200.
Number of students: 5,000.

DEANS:

Faculty of Literature: MASAHIDE TAKASAKI.
Faculty of Politics and Political Economy: TETCHO NAGAHARA.

KWANSEI GAKUIN UNIVERSITY

UEGAHARA, NISHINOMIYA-SHI, HYOGO-KEN

Founded 1889

President: Dr. T. KOMIYA.
University Principal: Dr. T. HORI.

Number of teachers: 348.
Number of students: 10,750 (post-graduates 279).

Publications: Studies, journals, reviews in Japanese from various faculties; *Annual Studies* (in English).

DEANS:

Faculty of Theology: K. MATSUMURA.
Faculty of Literature: N. OTSUKI.
Faculty of Sociology: Y. DAIDO.
Faculty of Jurisprudence: O. NISHIZAWA.
Faculty of Economics: T. KOTERA.
Faculty of Commerce: T. KOIZUMI.
Faculty of Natural Sciences: I. NITTA.

MEIJI UNIVERSITY

TOKYO-TO, CHIYODA-KU, KANDA SURUGADAI

Founded 1903.

Chancellor: KICHIRO SASAKI.
President: RENJI KOIDE.

Number of students: 31,000.

DEANS:

Faculty of Jurisprudence: KIICHIRO YASUZAWA.
Faculty of Commerce: HEIHACHIRO ASO.
Faculty of Politics and Economics: TAMOTSU SEKIBA.
Faculty of Literature: SEISHO SATO.
Faculty of Engineering: SHIRO ISHIDA.
Faculty of Agriculture: FUMITO INUKAI.
College of Business Administration: SAKUZO DAIGO.
Post-Graduate School: KOMEI NODA.
Women's College: HISAKICHI HAYASHI.

NIHON UNIVERSITY

2-CHOME, NISHI-KANDA, CHIYODA-KU, TOKYO CITY

Telephone: 301-2271.

Founded 1889.

President: KIKUSHIRO NAGATA, LL.D.
Chancellor: JUJIRO FURUTA.
Chief Administrative Officer: KATSUJIRO FUJII.
Librarian: SATOSHI SAITO.

Number of teachers: 1,530.
Number of students: 60,000.

Publications include: *Nihon Daigaku Shimbun* (Nihon University News), *Nihon Hogaku* (Journal of Law and Politics; monthly), *Keizai Shushi* (Journal of Economics; quarterly), *Nihon Daigaku Bungakubu Kenkyu Nempo* (Annual Research Report, Faculty of Letters), *Nichidai Igaku Zasshi* (Nihon University Medical Journal; monthly).

DEANS:

College of Law: MASAYUKI TAKANASHI.
College of Humanities and Sciences: YASUTARO AKIBA.
College of Economics: IKUJIRO KOBAYASHI.
College of Commerce: YOSHIZO TAKAHASHI.
College of Science and Engineering: ISABURO YOKOCHI.
College of Medicine: YOSHISATO HIKI.
College of Dentistry: MASARU SUZUKI.
College of Arts: SHUMPEI WATANABE.
College of Agriculture and Veterinary Science: KOSAKU IWATA.
Department of Correspondence Study: HANJI AIDA.
Graduate School: KIKUSHIRO NAGATA.

RIKKYO UNIVERSITY

(St. Paul's University)

IKEBUKURO, TOSHIMA-KU, TOKYO

Telephone: 983-0111

Founded 1859

President: MASATOSHI MATSUSHITA, PH.D.
Registrar: KANAME MORIWAKI.
Librarian: SANJI SUENOBU, LL.D.

Number of teachers: 259.
Number of students: 9,852.

Publications: *Christian Studies, Rikkyo Review* (Arts and Letters), *The Shien* (Historical Journal), *Review of Japanese Literature, Commentarii Mathematici Universitatis Sancti Pauli, Journal of Applied Sociology, Economic Review, Rikkyo Hogaku* (Review of Law and Politics), *Museion, The Rikkyo* (quarterly).

DEANS:

Faculty of Literature: TAKAYOSHI TEZUKA, B.A.
Faculty of Economics: MASAYOSHI TANAKA, PH.D.
Faculty of Science: TAIJI SASAKAWA, D.SC.
Faculty of Law and Politics: HIDEBUMI EGAWA, LL.D.
Faculty of Social Relations: EIZO KOYAMA, D.LITT.
Faculty of General Education: WATATA ISHIJIMA, D.SC.

RISSHO UNIVERSITY

160 4-CHOME, HIGASHI-OSAKI, SHINAGAWAKU, TOKYO

Founded 1904.

Rector: TANZAN ISHIBASHI.

Number of students: 1,800.
Number of lecturers: 118.

DEANS:

Department of Buddhism: SACHIO SAKAMOTO.
Department of Literature: MICHITOSHI HATANO.
Department of Economy: TSUNEYUKI OKINAKA.

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RITSUMEIKAN UNIVERSITY

KYOTO-SHI, KAMIKYO-KU, HIROKOJI-DORI TERMACHI

Founded 1900.

President: HIROSHI SUEKAWA.
Chief Director: MIKIO ODA.

Publications: *Law Review, Economic Review, Literature Review.*

DEANS:

Faculty of Jurisprudence: YOSIO ONISI.
Faculty of Economics: HIROKATSU OGURA.
Faculty of Literature: SHOZO MAKI.
Faculty of Science and Technology: SHOZABURO TANKA.

SENSHU UNIVERSITY

TOKYO-TO, CHIYODA-KU KANDA JINBO-CHO

Telephone 3671-5

Founded 1880

Chancellor: SHOJIRO KAWASHIMA.
President: KATSUO SOMA.
Librarian: YOSHIO NAMANI.

Number of teachers: 214.
Number of students: 7,400.

DEANS:

Faculty of Commerce and Economics: YOSHIO KOBAYASHI.
Faculty of Law: MASAAKIRA KATSUMOTO.
Faculty of Business Administration: HIKARU OTSUKA.

SOPHIA UNIVERSITY

(Jōchi University)

CHIYODA-KU, KIOICHO 7, TOKYO

Telephone 301-4301

Founded 1913.

Chancellor: Rev. NICHOLAS LUHMER, S.J.
President: FRANCIS TAKASHI OIZUMI, S.J.
Registrar: KENKICHI YOSHIYASU.
Librarian: GINO PIOVESANA, S.J.

Number of professors: 408.
Number of students: 5,112.

Publications: *Monumenta Nipponica* (half-yearly), *Sophia* (quarterly, in Japanese), *Sophia Economic Review* and *Sophia Law Review* (both half-yearly in Japanese).

DEANS:

Graduate School: JOSEPH ROGGENDORF.
Faculty of Literature: EIJIRO INATOMI.
Faculty of Economics: YOSHIO KOBAYASHI.
Faculty of Law: SHIRO TERADA.
Faculty of Languages: GORO UDA.
Faculty of Theology: EMMANUEL GONZALEZ.
Faculty of Science and Technology: KEIKICHI TANAKA.

TOKAI UNIVERSITY

SHIMIZU-SHI, KOMAGOE BEPPU

President: SHIGEYOSHI MATSUMAE.

DEANS:

Faculty of Literature: NOBUTO MIYAMOTO.
Faculty of Science and Engineering: FUJIO MAKINO.

WASEDA UNIVERSITY

TOTSUKA-CHO, SHINJUKA-KU, TOKYO

Founded 1882

President: NOBUMOTO OHAMA.

DEANS:

Faculty of Political Science and Economics: TOMITARO HIRATA.
Faculty of Law: KINSAKU SAITO, LL.D.
Faculty of Literature: KINSHIRO KASHIYAMA.
Faculty of Commerce: YOKICHI HAYASHI.
Faculty of Science and Engineering: MASATO NAMBA.
Faculty of Education: TAKESHI OTAKI.

TECHNOLOGICAL UNIVERSITIES

Akita University: Tegata Fukada, Akita; mining engineering, metallurgy and teacher training.

Ehime University: Dogo-cho, Matsuyama; arts, engineering and agriculture.

Fukui University: Makinoshima-cho, Fukui; engineering and teacher training.

Gifu University: Monzen-cho, Naka-cho, Inaba-gun, Gifu-ken; agriculture, engineering and teacher training.

Iwate University: Kakuzanwaki, Ueda, Morioka; engineering, teacher training, agriculture.

Kobe University of Mercantile Marine: Fukae, Honjo-cho, Higashimada-ku, Kobe; navigation, engineering.

Kyoto University of Industrial Arts and Textile Fibres: Kitanojinja-mae, Kamikyo-ku, Kyoto; industrial and textile fibres.

Kyushu Institute of Technology: 752 Nakaharu, Tobata; all brs. of engineering.

Miyazaki University: 100 Funatsuka-cho, Miyazaki; agriculture and engineering.

Muroran University of Engineering Technology: 17 Mizumoto-cho, Muroran; all brs. of engineering.

Nagoya Institute of Technology: Gokisho-cho, Showa-ku, Nagoya; engineering all brs.

Tokyo University of Agriculture and Technology: 1-8 Harumi-cho, 3-chome, Fucho-shi, Tokyo; agriculture and textile engineering.

Tokyo University of Fisheries: 6-chome, Shiba Kaigandori, Minato-ku, Tokyo; fishing, pisciculture.

Tokyo University of Mercantile Marine: 1 Fukagawa Echuji-ma-cho, Koto-ku, Tokyo; navigation and engineering.

University of Telecommunications: 14 Kojima-cho, Chofu-shi, Tokyo; radio and electronics engineering.

SCHOOLS OF ART AND MUSIC

Kanazawa College of Arts: 9-3 Shimohonda-machi, Kanazawa City; arts and crafts; 100 students.

Kunitachi College of Music: Kunitachi-cho, Kitama-gun, Tokyo; 140 students.

Kyoto Municipal College of Fine Arts: 50 Hiyoshi-cho, Imagumano, Higashi-yama-ku, Kyoto; fine arts; 100 students.

Tama College of Fine Arts: 213 Tamagawa-kaminoge-cho, Setagaya-ku, Tokyo; paintings, sculpture, design; 100 students.

Toho Gakuen School of Music: 818 Kitano-cho, Chofu-shi, Tokyo; 60 students.

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JORDAN

Population 1,724,868

LEARNED SOCIETIES AND RESEARCH INSTITUTES

American School of Oriental Research: Herod's Gate, Jerusalem; f. 1900; research projects in Semitic languages, literatures, and history; archaeological surveys and excavations; Dir. PAUL W. LAPP; publs. *Annual, Bulletin, Biblical Archaeologist.*

British Council: P.O. Box 634, Wadi Seer St., Amman; the work of the Council is cultural and educational; lectures, filmshows and exhibitions are arranged; lessons in English are given and examinations, mainly those of London University, are arranged; library (*see below*); Rep. F. J. WAKELIN.

British School of Archaeology in Jerusalem: P.O.B. 283, Jerusalem; conducts archaeological excavation and research; *see* Colleges.

Goethe Institute: P.O.B. 1676, Amman; Dir. R. GROBE; contains library.

Studium Biblicum Franciscanum: P.O. Box 424, The Flagellation, Jerusalem (Old City), via Amman; centre of Biblical studies for the Franciscan order; library and museum (*see below*).

U.S. Information Center: Kabarday Street, Amman.

LIBRARIES

Al-Khalidiyah: Bab al-Silsilah, Jerusalem (via Amman); ancient Arabic and Islamic books.

American Library: Kabarday Street, Amman; 5,000 vols

Arab Women's Union Library: Bethlehem.

Bibliothèque de l'Ecole Biblique et Archéologique Française: P.O. Box 53, Jerusalem (via Amman); f. 1891; about 40,000 vols.; Librarian R.P. BOISMARD.

British Council Libraries: Amman (P.O. Box 634); over 10,000 vols.; over 100 periodicals; Librarian B. MOUSSA; **Jerusalem** (P.O. Box 136, Nablus Rd.); 2,500 vols., 25 periodicals; Librarian M. SAHHAR.

Gulbenkian Library (Donated by the late Mr. CALOUSTE GULBENKIAN): Armenian Patriarchate, P.O. Box 4001, Old City, Jerusalem; f. 1929; the library is one of the two great Armenian libraries in the diaspora, the other one being the Mekhitarist Congregation in Venice; public library 50,000 vols. of which 20,000 are Armenian, also a section for Arabic books; Sec. SAHAG KALAYDJIAN; receives over 250 newspapers, magazines, periodicals (of which 125 are Armenian) from foreign countries; complete collections of newspapers and magazines dating from the 1850's are maintained, and a copy of the oldest and first Armenian newspapers, *Aztarar*, published in Madras in 1794; a library of 3,700 Armenian manuscripts (Manuscripts Librarian Bishop NORAYR BOGHARIAN); publ. *Sion* (monthly).

Library of the Greek Catholic Seminary of Saint Anne: Jerusalem (via Amman); f. 1882; 15,000 vols.; Librarian R. P. MICHEL LEPAGE; publ. *Proche-Orient Chrétien* (quarterly).

Library of the Studium Biblicum Franciscanum: P.O. Box 424, The Flagellation, Jerusalem (via Amman); Librarian Fr. AUG. SPUKERMAN, O.F.M.; 7,000 vols.

Public Library, Amman Municipality: Amman; f. 1960; 4,000 vols. in English and Arabic; children's section.

Supreme Mosque Library: Mosque of Omar, Jerusalem (via Amman); f. 1931; contains Arabic and Islamic MSS.

MUSEUMS

Jordan Archaeological Museum, Dept. of Antiquities: Amman; f. 1923; Dir. AWNI DAJANI, PH.D.(LOND.); Curator FARAH S. MA'AYEH; publ. *Annual of the Department of Antiquities of Jordan.*

Islamic Museum: Amman.

Museum of the Studium Biblicum Franciscanum: P.O. Box 424. Convent of the Flagellation, Via Dolorosa, Jerusalem (via Amman); Curator Rev. Fr. AUGUSTUS SPIJKERMAN, O.F.M.

Palestine Archaeological Museum: Old City, Jerusalem; houses Dead Sea Scrolls; Curator JOSEPH SAAD.

UNIVERSITY

UNIVERSITY OF JORDAN

NEAR JUBAIHA, AMMAN

Founded 1962

Chairman of Board of Trustees: H. E. SAMIR RIFA'D.
Secretary-General: ABDUL HAMID YASIN.

The Faculty of Arts has studies in Arabic, English, Geography, History, Sociology, Philosophy, Psychology and Education; other faculties will follow as required; four-year B.A. degree courses.

Library contains 3,500 volumes.
Number of teachers: 7 professors and instructors.
Number of students: 150 men, 16 women, total 166.

DEAN:

Faculty of Arts: Dr. NASIRUDDIN ASAD.

COLLEGES

BRITISH SCHOOL OF ARCHAEOLOGY IN JERUSALEM

P.O.B. 283, JERUSALEM

(LONDON ADDRESS: 2 HINDE STREET, MANCHESTER SQUARE, LONDON, W.1)

Founded 1920.

Conducts archæological excavation and research; hostel and library.

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Chairman: Sir MORTIMER WHEELER, C.I.E., M.C., T.D., M.A., D.LITT., D.LIT., F.B.A., P-P.S.A.
Director: Miss K. M. KENYON, C.B.E., M.A., D.LIT., F.B.A., F.S.A.
Publication: *Bulletin*, incorp. in Palestine Exploration Quarterly (twice yearly).

COUVENT SAINT ÉTIENNE DES PÈRES DOMINICAINS, ET ÉCOLE BIBLIQUE ET ÉCOLE ARCHÉOLOGIQUE FRANÇAISE

P.O. BOX 53, JERUSALEM (VIA AMMAN)
Convent founded 1884; Ecole Biblique founded 1891.
Research, Biblical and Oriental studies, exploration and excavation in Palestine.
Director: R.P. R. DE VAUX, O.P.
Library: *see above.*
Publications: *Revue Biblique* (quarterly), *Etudes Bibliques, Etudes Palestiniennes et Orientales, Etudes Archéologiques.*

GREEK CATHOLIC SEMINARY OF SAINT ANNE

JERUSALEM (VIA AMMAN)
Founded 1882.
Directors: R.P. MAURICE BLONDEEL (Senior Seminary), R.P. JEAN MAGNIN (Junior Seminary, Rayak, Lebanon).
Number of teachers: 30.
Number of students: 230.
Library: *see above.*
Publication: *Proche-Orient Chrétien* (quarterly review).

MOSLEM EDUCATIONAL COLLEGE

P.O. BOX 385, AMMAN
Principal: BASHIR SABBAGH.
Number of teachers: 70.
Number of students: 1,739.
The College teaches Islamic religion, Arabic language, English language, mathematics, social studies and science.

JOBEHA AGRICULTURAL COLLEGE

JOBEHA, Nr. AMMAN.

KING HUSSEIN COLLEGE OF AGRICULTURE

TULKARM
Principal: Dr. S. A. NASHEF.
Number of teachers: 14.
Number of students: 225.
The College teaches animal husbandry, agronomy, horticulture, plant protection, other agricultural subjects and related basic sciences.

TEACHERS' COLLEGE

AMMAN
Founded 1953.
Principal: ABDUL HAMID YASIN, B.A., B.ED.
Library: 6,500 volumes.
Number of lecturers: 13.
Number of students: 146.
Duration of courses: 2 years.

Teachers' Training College: Arroub.

Rural Teacher Training College: Huweira, Nr. Jerusalem.

TEACHERS' COLLEGE

RAMALLAH
Principal: OLGA WEHBAH.
For women students.

TECHNICAL INSTITUTE

AMMAN

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KENYA

Population 8,672,000

LEARNED SOCIETIES

British Council, The: Kenya Cultural Centre, Government Road, P.O. Box 751, Nairobi; Rep. RICHARD A. FROST, O.B.E.; Regional Offices: City House, Prince Charles Street, Mombasa; P.O. Box 454, Kisumu.

Kenya History Society: Hon. Sec., P.O. Box 14474, Westlands, Nairobi; f. 1955; objects are the collection of documents and antiquities, archaeological research, and the publication of historical and antiquarian papers; Chair. Col. R. D. CROFT WILCOCK.

Mombasa Law Society: P.O. Box 1386, Mombasa; f. 1922; 56 mems.; Pres. J. H. S. TODD, Barrister-at-Law; Sec. K. A. KASMANI, Barrister-at-Law.

Munitalp Foundation: Nairobi; private non-profit-making trust devoted to fostering the arts and sciences in East Africa; Chair. Capt. MALIN SORSBIE.

Royal Agricultural Society of Kenya: P.O.B. 30176, Nairobi; f. 1919; encourages and assists agriculture in Kenya; holds six shows per year; Pres. R. D. M. MASON; Sec. C. N. L. FERNANDES.

The following Learned Societies, covering the whole of East Africa, may be found under *Great Britain, Overseas Territories:* British Institute of History and Archaeology in East Africa; East Africa Natural History Society; East African Literature Bureau; East African Swahili Committee; East African Wild Life Society.

RESEARCH INSTITUTES

Coffee Research Station: P.O. Box 4, Ruiru; f. 1949; Officer-in-Charge P. A. JONES, B.A.(AGRIC.)(CANTAB.); publ. *Annual Report, Selected Articles on Coffee Culture, Atlas of Coffee Pests and Diseases.*

Medical Research Laboratory (Medical Department, Kenya): P.O. Box 30141, Nairobi; all branches of medicine; library.

Pyrethrum Bureau, The: P.O. Box 420, Nakuru, Kenya; London Office: 620 Grand Buildings, Trafalgar Square, W.C.2.

Scott Agricultural Laboratories: Department of Agriculture, Ministry of Agriculture, Animal Husbandry and Water Resources, P.O. Box 30028, Nairobi; Senior Soil Chemist and Officer-in-Charge E. BELLIS, B.SC., A.I.C.T.A.; Senior Entomologist J. F. GRAHAM, M.SC.; Senior Plant Pathologist R. A. R. ROBINSON, B.SC., D.T.A.; Intelligence Officer J. M. SUTTIE, B.SC., D.T.A.

Sisal Research Station: Thika; Officer-in-Charge K. LERCHE.

Veterinary Research Laboratory: P.O. Kabete; f. 1911; includes library of 2,500 vols.

The following Research Institutes, covering the whole of East Africa, may be found under *Great Britain, Overseas Territories,* above: East African Common Services Organisation; East African Institute of Malaria and Vector-borne Diseases; East African Institute for Medical Research; East African Virus Research Institute; East African Leprosy Research Centre; East African Agriculture and Forestry Research Organisation; East African Freshwater Fishery Research Organisation; East African Industrial Research Organisation; East African Marine Fisheries Research Organisation; East African Meteorological Department; East African Statistical Department; East African Veterinary Research Organisation; East African Tripanosomiasis Research Organisation; Tropical Pesticides Research Institute; Desert Locust Control Organisation for Eastern Africa; East African Institute of Social Research; Interafrican Bureau for Epizootic Diseases; Tea Research Institute of East Africa.

LIBRARIES

British Council Library: Kenya Cultural Centre, Government Road, Nairobi; 6,000 vols.; brs. at Mombasa (6,000 vols.), and Kisumu (7,000 vols.).

Desai Memorial Library: P.O. Box 1253, Nairobi; f. 1942; public library and reading room; 24,001 vols.; books in Swahili, Gujarati, Hindi, Urdu, Gurumukhi and English; reference, newspaper and periodical sections; 1,151 mems.; Pres. D. R. GOR; Sec. N. A. ARYA.

Ismail Rahimtulla Trust Library: P.O. Box 333, Nairobi; 5,000 vols.; Librarian C. M. PATEL.

McMillan Memorial Library and E. A. (Carnegie) Circulating Library: 76 brs. in Kenya.

Royal College Library: Private Bag, Nairobi; 25,000 vols., 500 periodicals; includes collections of the East Africa Institute of Architects and the Association of Engineers; Librarian D. A. R. KEMP, B.A., F.L.A.

Seif Bin Salim Public Library: Mombasa; 10,500 vols., general subjects, mainly in English and Gujarati.

United States Information Service Library: P.O. Box 30143, Nairobi; arts, history, science; 5,000 vols., 100 periodicals; Librarian P. E. BOCK.

The following libraries, covering the whole of East Africa, may be found under *Great Britain, Overseas Territories,* above: East African Agriculture and Forestry Research Organisation Libraries; East African Literature Bureau Library; McMillan Memorial Library and E.A. (Carnegie) Circulating Library.

MUSEUMS

Coryndon Memorial Museum: P.O. Box 658, Nairobi; f. 1929; all branches of natural history, pre-history, and geology; controlled by Museum Trustees of Kenya; Acting Dir. R. H. CARCASSON.

Sorsbie Gallery: Nairobi; f. 1961; exhibitions of old masters and contemporary paintings, sculptures, prints and design from Africa and abroad.

Stoneham Museum and Research Centre: P.O. Kitale; collection of Africana, anthropology, art, botany, geology, zoology; library of 5,000 vols., and scientific publications.

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UNIVERSITY

THE ROYAL COLLEGE

PRIVATE BAG, NAIROBI, KENYA
Telephone: Nairobi 27441
Telegraphic Address: Rotecea, Nairobi

Founded in 1956 as Royal Technical College of East Africa; new name, with university college status, in 1961; a member of the University of East Africa (see chapter: *Great Britain, Overseas Territories*).

Principal: Dr. J. M. HYSLOP, M.A., PH.D., D.SC., F.R.S.E.
Registrar: R. B. EUSTACE, M.A.
Librarian: D. KEMP, B.A., F.L.A.

Number of teachers: 95.
Number of students: 420.

DEANS:

Faculty of Science: Prof. A. N. HUNTER.
Faculty of Engineering: Prof. R. JONES.
Faculty of Arts: G. D. WING, M.C.
Faculty of Art and Architecture: R. NELMS.
Faculty of Special Professional Studies: R. E. ELLMER.
Faculty of Veterinary Science: Prof. J. B. POLDING.

PROFESSORS:

HUNTER, A. N. (Physics).
ISAAC, W. E. (Botany).
JONES, R. (Mechanical Civil Engineering).
JUDSON, C. A. (Mathematical Engineering).
KETTLE, D. S. (Zoology).
LOUPEKINE, I. S. (Geology).
ROBINS, P. A. (Chemistry).
ROBSON, P. (Economics).
SEARS, D. B. (Mathematics).

ATTACHED INSTITUTE:

The College of Social Studies: P.O. Box 92, Kikuyu; f. 1961.
Chairman: Sir DONALD MACGILLIVRAY, G.C.M.G., M.B.E.
Principal: PAUL FORDHAM.
Number of students: 30.

COLLEGES

Kenya Institute of Administration: Lower Kabete; f. 1961.
Principal: A. J. F. SIMMANCE (acting).

Kenya Polytechnic: P.O.B. 30214, Nairobi; f. 1961; Depts. of Engineering, Science, Building, Commerce and Technical Teacher Training; the Polytechnic aims to complement the work of the University of East Africa
Principal: J. M. MESSENGER.
Number of teachers: 45.

Muslim Institute: Mombasa; secondary and evening classes; technical, commercial and general.

Strathmore College of Arts and Science: Nr. Nairobi; residential college for 1,000 students of all races; junior college for 150; run by Opus Dei.

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DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

Population 10,789,000

ACADEMIES

ACADEMY OF SCIENCES

MAMMOON-DONG, CENTRAL DISTRICT, PYONGYANG

Founded 1952.

President: Kang Yung Chang.
Vice Presidents: Han Hyun Kun, Jun Doo Hwan, Joo Hwa Jong.

Institutions Attached to the Academy:

Institution of Economics and Law: Nammoon-dong, Central District, Pyongyang.
Director: Kim Kwang Jin.

Institution of History: Nammoon-dong, Central District, Pyongyang.
Director: Kim Suk Hyong.

Institution of Philology and Literature: Nammoon-dong, Central District, Pyongyang.
Director: Kim Byung Jae.

Institution of Archaeology and Ethnography: Nammoon-dong, Central District, Pyongyang.
Director: Do Yoo Ho.

Institution of Physics and Mathematics: Heungboo-dong, Daesung District, Pyongyang.
Director: Jung Kye Sun.

Institution of Biology: Heungboo-dong, Daesung District, Pyongyang.
Director: Won Hong Koo.

Institute of Engineering: Heungboo-dong, Daesung District, Pyongyang.
Director: Kim Moon Kyoo.

Classics Research Institute: Director Hong Ki Moon.

Atomic Energy Committee: Chairman Jung Joon Taik.

Central Analysis Institute: Director Shin Kyung Jung.

Astronomical Observatory: Head Li Rak Bok.

Mechanisation and Automation Research Institute: Deputy Dir. Li Sung Kyoon.

Central Metallurgical Research Institute: Dir. Kim In Shik.

Central Fuel Research Institute: Dir. Choi Sam Yul.

Geology and Geography Research Institute: Dir. Pak Sung Wook.

Central Institute of Machine Building Industry: Dir. Kim Duk Mo.

Research Institute of Philosophy: Pyongyang; Dir. Jung Jin Suk.

Research Institute of Atomic Energy: Deputy Dir. Li Yoo Suk.

Research Institute of Agricultural Machinery: Dir. Choi Woon Kyung.

HAMHEUNG BRANCH OF THE ACADEMY OF SCIENCES:

Chemistry Research Institute: Dir. Ryu Kyung Koo.

Silicate Research Institute: Deputy Dir. Joo Jai Ha.

Research Institute of Organic Chemistry: Dir. Joo Seung Suk.

Research Institute of Inorganic Chemistry: Dir. Jo Dong Kyoo.

Research Institute of High Molecules: Dir. Li Jai Uk.

Academy of Medical Science: Pyongyang; the Academy directs a number of research institutes, laboratories and clinics; Chair. Hong Hak Keun.

LEARNED SOCIETY

Agricultural Science Commission: Pyongyang; directs research institutes in agriculture, zoology and veterinary science, fruit cultivation, sericulture, forestry, agricultural mechanisation, irrigation, agronomical surveys and seed cultivation; Dir. Kim Kyr Hyun.

LIBRARIES

State Central Library: Pyongyang Chief Librarian Huh Jung Sook; 1,500,000 vols.

North Hamkyung Provincial Library: Chungjin; Librarian Hyun Keuk Sun.

South Hamkyung Provincial Library: Hamheung; Librarian Han Sung Hwan.

North Pyongan Provincial Library: Shinuiju; Librarian Cha Kyung Ryoon.

South Hwanghai Provincial Library: Haeju; Librarian Jun Pil Soon.

North Hwanghai Provincial Library: Sariwon; Librarian Kim Yung Sang.

Kangwon Provincial Library: Wonsan; Librarian Jung Byung Kul.

Jakang Provincial Library: Kangge; Librarian Li Bong Moo.

South Pyongan Provincial Library: Pyongyang; Librarian Li Eui Suk.

Ryanggang Provincial Library: Hesan; Librarian Kwon O Hoon.

Kaesong City Library: Kaesong; Librarian Li In Sook.

Chungjin City Library: Chungjin; Librarian Song Yung Ji.

Hamheung City Library: Hamheung; Librarian Jung Sam Kyo.

Nampo City Library: Nampo.

MUSEUMS

Korean Revolutionary Museum: Pyongyang; historical exhibits from second half of 19th century; Curator Suk Aong Soo.

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State Central Liberation Struggle Museum: Pyongyang; historical materials from the latter half of the 19th century to the present day, including exhibits from the armed struggle against Japan in the 1930's and the recent Korea war; Dir. Li Jong Hyuk.

State Central Historical Museum: Pyongyang; exhibits date from the pre-historic period to the early 20th century (the end of the Li Dynasty); Curator Hwang Wook.

State Central Ethnographic Museum: Pyongyang; Curator Li Jin Soo.

State Central Fine Arts Museum: Pyongyang.

State Historical Museums: Shinuiju, Kaesong, Hamheung, Kangge, Hesan, Haeju, Chungjin, Wonsan, Sariwon, Myohyang Mt., Bochun County, Shinchun Country.

UNIVERSITY AND COLLEGES

KIM IL SUNG UNIVERSITY

PYONGYANG

Founded 1946

President: Ha Ang Chun.

Number of teachers: over 900.

Number of students: 7,231 day-time, 1,903 evening, 7,169 correspondence.

Faculties: History, Philosophy, Political Economics, Law, Philology, Foreign Literature, Geography, Geology, Physics and Mathematics, Chemistry and Biology.

Kim Chaik Polytechnical Institute: Pyongyang; Rector Kim Kook Hoon.

Hamheung Chemical Industry Institute: Hamheung; Deputy Rector Kim Eung Sang.

Pyongyang Civil Engineering Institute: Pyongyang; Rector Ji Myun Shik.

Wonsan Agricultural Institute: Wonsan; Rector Li Yung Kyoon.

Kangge Veterinary and Zoological Institute: Kannge; Rector Choi Seung Hoon.

Pyongyang Medical Institute: Pyongyang; Rector Kim Bai Joon.

Chungjin Medical Institute: Chungjin; Rector Li Jong Wan.

Chungjin Mining College: Chungjin; Rector Yang In Sun.

Hamheung Medical Institute: Hamheung; Pro-rector Joo Sung Soon.

Pyongyang Physical Culture Institute: Pyongyang; Rector Kim Chang Sun.

Pyongyang Conservatoire: Pyongyang; Rector Kim Hak Moon.

Pyongyang Fine Arts Institute: Pyongyang; Rector Chang Shi Don.

Pyongyang Drama and Cinematographic College: Pyongyang; Rector Li Eung Tai.

Writers' Training Academy: Pyongyang; Rector Han Sul Ya.

Pyong Transport College: Pyongyang; Rector Chang Kwang Ho.

Pyongyang Engineering College: Pyongyang; Rector Han Dong Shik.

Pyongyang Irrigation College: Pyongyang; Vice-Rector Cha Myung Shik.

Pyongyang Communications College: Pyongyang; Rector Shin ki Chun.

Pyongyang Light Industrial College: Pyongyang; Vice-Rector Kim Soon Duk.

Pyongyang Agricultural College: Pyongyang; Rector Li Chang Soo.

Pyongyang International Relations College: Pyongyang; Rector O Hyun Joon.

Pyongyang Commercial College: Pyongyang; Rector Kim Sang Joon.

Pyongyang Literary College: Pyongyang; Rector Jo Byuk Am.

Pyongyang Dance College: Pyongyang; Vice-Rector Kim Jin Ok.

Wosan Fisheries College: Wosan; Rector Ji In Hoi.

Haeju Medical College: Haeju; Rector Li Choon Keun.

Hesan Medical College: Hesan; Rector Kim Ha Jin.

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REPUBLIC OF KOREA

Population 26,115,000

ACADEMIES

National Academy of Arts: San 2-1, Samchung-dong, Chong-ro-koo, Seoul; f. 1954; 46 mems.; Pres. BARK CHONG WHA; Vice-Pres. YOU CHI JIN; Literature KIM DONG REE; Fine Arts KIM IN SEUNG; Music KIM WON BOK; Theatre SU HWANG SUCK.

National Academy of Sciences: San 2-1, Samchung-dong, Chongro-gu, Seoul; f. 1954; 92 mems.; 1,500 vols. in library; Pres. Dr. PYENG DO YI; Vice-Pres. Dr. HI SEUNG LEE, Dr. DONG HYUCK AHN; publs. *Bulletin, Journal.*

LEARNED SOCIETIES

Korean Agricultural Engineering Society: 60 Sejong-ro, Chongno-ku, Seoul; f. 1949; 1,000 mems.; Chair. JONG MOO KANG.

Korean Association for the Biological Sciences: c/o Sung Kyun Kwan University, Seoul; Pres. Dr. TAE HYUN CHUNG; Sec. YOON SOO KIM.

Korean Engineers' Association: 5–5, Myong-dong, 2, Choong-ku, Seoul; f. 1952; Sec.-Gen. TAE WOOK KIM.

Korean Medical Association: Seoul; f. 1947; 7,201 mems.; Pres. Dr. DOO JONG KIM.

Korean Association of Sinology: c/o Korea University, Seoul; f. 1955; Chair. SANG KI KIM.

Korean Economic Association: c/o Choong Ang University, Seoul; f. 1952; Pres. Dr. HO JIN CHOI.

Korean Historical Association: 2-5, Myong-nyun-Dong 3-Ga, Chong-no-Ku, Seoul; f. 1952; publs. *The Yoksa Hakbo* (The Korean Historical Review), 22 issues.

Korean Psychological Association: c/o Seoul University College of Liberal Arts and Sciences, Seoul; f. 1946; Pres. EUICHOL LEE.

Korean Chemical Society: 199 Dongsung-dong, Chongno-ku, Seoul; f. 1946; Pres. DONG IL KIM; Sec.-Gen. SANG UP CHOI.

RESEARCH INSTITUTES

Central Meteorological Observatory: Seoul; under the control of the Ministry of Transport.

Defence Ministry's Science Research Institute: Seoul.

Institute of Agriculture: Suwon; Dir. NAM KYOO CHUNG.

Institute of Far Eastern Studies: c/o Yonsei University, Sinchon-dong, Sudaemun-ku, Seoul; f. 1955; Rep. Dr. L. GEORGE PAIK.

Korean Social Sciences Research Society: 90.1, Chungjung-ro I, Sudaemun-ku, Seoul; Pres. Dr. BYUNG DO LEE.

National Industrial Research Centre: 199 Dongsoong-dong, Chongno-ku, Seoul; f. 1883; Dir. CHAE HO LEE.

LIBRARIES

Chungang University Library: 221 Huksuk-dong, Yong-dungpo-ku, Seoul; f. 1949; 97,557 vols.; Dir. JONG CHUL KIM.

Dong-Kook University Library: 26 Pil-dong III, Choon-ku, Seoul; f. 1928; 110,000 vols.; Dir. SUCK KYOO OH.

Ewha Women's University Library: San 1, Daehyun-dong, Sudaemun-ku, Seoul; f. 1923; 91,145 vols.; Dir. BONG SOON LEE.

Korea University Library: 1 Anam-dong, Sungbuk-ku, Seoul; f. 1937; 132,563 vols.; Dir. SOON SHIK KIM.

Kyung Puk University Library: 1370, San-kyuk-dong, Taegu; f. 1952; 118,851 vols.; Dir. KI HO CHUNG.

Namdaimoon Library: Seoul; f. 1922; 68,110 vols.

National Library: Sogong-Dong 6, Jung-gu, Seoul; f. 1925; 369,000 vols.; Dir. TAE-HO CHOE.

Pusan University Library: 30, Jangjun-dong, Pusan; f. 1955; 80,797 vols.

National Assembly Library, Republic of Korea: Taepyong-Ro, Choong-ku, Seoul; f. 1952; 110,000 vols.; international publications exchange; Chief Librarian YOUN-SUP PARK, Asst. Chief Librarian MOON-AM CHUN, Exchange Librarian CHONG-ILL PARK; publs. *National Assembly Review*, catalogues.

Seoul National University Library: Seoul; f. 1926; 600,000 vols.; Librarian KWANG HYUN CHUNG.

Transport Library: Seoul; f. 1920; 200,000 vols.

U.S. Information Center Library: 16, 1-ka, Ulchiro, Choong-ku, Seoul; also at Taegu.

Yonsei University Library: Yonsei University, 134 Shinchon-dong, Sudaemoon-ku, Seoul; f. 1957; 131,827 vols., including Korean archives; Dir. YUNG KYOO MIN.

MUSEUMS

National Museum: Seoul; f. 1916; there are three branches: one in Kyungju, which has the collections of the Silla Dynasty's culture; one in Puyo, which has the collections of the Paekche Dynasty's culture; and one in Kongju (Paekche art), Dir. Dr. CHEWON KIM.

Duksoo Palace Museum of Fine Arts: Duksoo Palace, Taepyong-ro 1, Choong-ku, Seoul; f. 1909.

Christian Museum of Korea: San 1, Hoehyon-dong 1, Choong-ku, Seoul; 1,565 exhibits; Dir. R. SUN KIM.

Gyungbok Art Gallery: Gyungbok Palace; national art exhibition held here annually.

UNIVERSITIES

CHONNAM NATIONAL UNIVERSITY

KWANG JOO, CHOLLANAM DO

Founded 1953.

President: SANG CHAI CHOI.

Number of students: 3,880.

DEANS:

College of Engineering: HA YUK PARK.

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College of Agriculture: SANG HO CHUNG.
College of Liberal Arts and Science: SOO-MANN CHOO.
College of Commerce: KYU TAIK CHAE.
College of Medicine: DO KI CHUN.
College of Law: SE HOON KI.
Graduate School: DONG HOON LEE.

CHOSUN UNIVERSITY

KWANG JOO

President: CHUL WONG PARK.

Number of students: 2,920.

DEANS:

College of Liberal Arts and Science: MYUNG SOO KIM.
College of Law and Political Science: UN TAI LEE.
College of Engineering: CHUNG KI CHOI.

CHUNGANG UNIVERSITY

HUKSUK DONG, SEOUL
Telephone 4-0131/5

Founded 1919

President: SEONG HI YIM.
Librarian: JONG CHUL KIM

Nimber of teachers: 213
Number of Students: 6,592.
Publications: *Theses Collection, Review of Liberal Arts and Sciences, Review of Law and Political Science, Chungang Economic Review, Journal of Economics and Business Administration, Journal of Chungang Pharmacy*

DEANS:

College of Liberal Arts and Sciences: CHULL PAIK.
College of Law and Political Science: HYUNG-SOO KIM.
College of Economics and Commerce: KUN-CHANG PARK.
College of Pharmacy: HYUNG-HO YANG.
Graduate School: IN SOB ZONG.
Academic and Student Administration: YUH CHIN LEE.

CHUNGNAM NATIONAL UNIVERSITY

TAIJON

Founded 1953.

President: JUNG HO LEE.
Secretary-General: SOO YONG KIM.

Number of students: 2,230.

DEANS:

Academic and Student Administration: YOUNG MOOK KIM.
Graduate School: KICHANG KUM.
College of Agriculture: CHIN HANG KANG.
College of Liberal Arts and Science: SOONG TONG KIM.
College of Engineering: CHAI KAP CHOI.

CHUNPUK NATIONAL UNIVERSITY

CHUN-JOO, CHOLLA PUK DO

Founded 1952.

President: Dr. DOO HYUN KIM.

Number of students: 4,020.

DEANS:

College of Engineering: JUNG MAN CAO.
College of Agriculture: NAM HYUK PIK.
College of Liberal Arts and Science: DOO HYUN KIM.
College of Law and Political Science: S. B. CHON.
College of Commerce: HYO SAM PARK.

EWHA WOMANS UNIVERSITY

DAIHYUN-DONG, SEOUL
Telephone: (73) 0150-0158

President: Dr. OKGILL KIM.
Registrar: Miss SUNYONG HAM.
Librarian: Miss BONGSOON LEE.

Number of teachers: 360.
Number of students: 7,557.

Publications: *Ewha Voice* (monthly, in English), *Ewha Hak Bo* (weekly in Korean).

DEANS:

Faculty: YOUNGHAK HYUN.
Students: Mrs. CHUNGOK KIM CHO.
College of Liberal Arts and Science: HEUN KOO RHEE.
College of Music: Mrs. YOUNG YI KIM.
College of Fine Arts: IN-SEUNG KIM.
College of Law and Political Science: Mrs. TAIYOUNG LEE CHUNG.
College of Medicine: KYUNG CHANG.
College of Pharmacy: SONG KYU RHEE.
Graduate School: SE KYU LEE.
College of Education: EMMA KIM.
College of Physical Education: Mrs. YOON JIN LEE.

KOREA UNIVERSITY

ANAM-DONG, SEOUL

Founded 1905, as Posung College.

President: Dr. CHIN OH YOO.
Dean of Academic Affairs: HI-BONG LEE.
Dean of Students: SUNG-JONG HYUN.
Librarian: HONG-JIK LEE.

Library contains 160,000 volumes.
Number of teachers: 150.
Number of students: 6,375.
Publication: *Kodai Shinmoon.*

DEANS:

College of Law: HANG-NYUNG LEE.
College of Commerce and Business Administration: SOO-YUNG CHUNG.
College of Arts and Sciences: Dr. HISUNG PAK.
College of Agriculture: KI-CHANG HONG.
College of Political Science and Economics: Dr. CHUN-JOO YOON.
Graduate School: Dr. KWAN-SUK CHAI.

Affiliated Institutes:

Ethnology Museum.
Asiatic Research Institute.
Business Management Research Center.
Korean Classics Translation Committee.

KYUNGPUK NATIONAL UNIVERSITY

TAEGU

Founded 1952.

President: Dr. BYUNG KAN KOH.

Number of students: 5,010.
Publication: *Kyungpuk University Bulletin.*

DEANS:

College of Agriculture: SANG UK CHANG.
College of Liberal Arts and Science: LEE HYO SANG.
College of Law: CHOLL SOON KE.
College of Teachers: KI SOOL SOHN.
College of Medicine: LEE CHIL HI.
Graduate School: KIM SA HYUP.

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PUSAN NATIONAL UNIVERSITY

SUODAISHIN-DONG, PUSAN

Founded 1952.

President: Dr. In Kyu Yoon.

Number of students: 4,500.

Deans:

College of Engineering: Taik Chin Kim.
College of Liberal Arts and Science: Hyo Dong Han.
College of Law: Hong Kyu Moon.
College of Commerce: Byung Kyu Min.
College of Pharmacy: Byung Chang Choi.
College of Dentistry: Il Chun Chung.
Graduate School: In Ku Yun.

SEOUL NATIONAL UNIVERSITY

DONG SOONG-DONG, SEOUL

Founded 1946.

President: Dr. Il Sun Yun.
Academic Dean: Dr. Ki Chunryu.
Dean of Students: Han Kee Lee.
Librarian: Kwang Hyun Chung.

The library contains 600,000 volumes.
Number of students: 11,120.
Publications: *Seoul University Press* (weekly).

Deans:

College of Agriculture: Baik Hyun Cho.
College of Commerce: Oh Ik Kwon.
College of Dentistry: Dr. Young Chan Kim.
College of Fine Arts: Pal Chang.
College of Engineering: Moon Sang Kim.
College of Law: Tai Whan Shin.
College of Liberal Arts and Science: Yang Ha Lee.
College of Music: Dr. Choo Wan Myung.
College of Medicine: Ku Dong Han.
College of Pharmacy: Dr. Zai Myung Hyun.
College of Veterinary Medicine: Young So Lee.
College of Education: Chong Soo Lee.
Graduate School: Dr. Byung Do Lee.
School of Public Administration: Tai Whan Shin.
School of Public Health: Dr. Choo Wan Myung.

SHINHOONG UNIVERSITY

HOIKI DONG, SEOUL

Founded 1956.

President: Young Shik Cho.

Number of students: 1,520.

Deans:

College of Law: Um Min Young.
College of Political Science and Economics: Ro Shik Park.
College of Liberal Arts and Science: Yo Sup Choo.
College of Physical Education: Myung Bok Kim.
Graduate School: Doo Yil Kim.

SOOKMYUNG WOMEN'S UNIVERSITY

CHUNGPA-DONG, SEOUL

Founded 1955.

President: Chong Won Kwak.

Number of students: 1,320.
Publication: *Sookdai* (monthly).

Deans:

College of Liberal Arts and Science: Hyung Jin You.
College of Political Science and Economics: Moon Woon Lee.
College of Music: Se Hyung Kim.
College of Pharmacy: Soo Sun Park.
Graduate School: I Seup Hong.

SUNG KYUN KWAN UNIVERSITY

MYUNG RYUN DONG, SEOUL

Founded 1954.

President: Kwang Ha Cho.

Number of students: 3,040.

Deans:

Graduate School: Nam Soon Lee.
College of Liberal Arts and Science: Huh Hyun.
College of Law and Political Science: Dong Wook Shin.
College of Pharmacy: Keun Yung Kim.
Dean of Students: Ro Tae Park.

DONG-KOOK UNIVERSITY

PIL DONG, SEOUL

Founded 1948.

President: Dr. Bup Rin Kim.
Administrative Dean: Eun Taik Cho.

Number of students: 4,797.
Publication: *Tongdai Shinbo* (weekly).

Deans:

Graduate School: Dr. Joo Dong Yang.
College of Liberal Arts and Science: Seong Hae Hong.
College of Buddhism: Prof. Won Kyoo Chang.
College of Law and Political Science: Prof. Kee Soo Kim.
College of Agriculture: Prof. Sueng Woo Lee.

YONSEI UNIVERSITY

(Chosun Christian University and Severance Union Medical College)

SEOUL

Severance founded 1904.
CCU founded 1915
United 1957

President: Dr. In Ku Yun.
Vice-President: Dr. Myung Sun Kim.
Librarian: Young Gyu Minn.

Number of teachers: 229.
Number of students: 5,634.
Publications: *Yonsei Annals, Journal of Far Eastern Studies.*

Deans:

University: Dr. Sung-Hwa Lee.
Men: Chan Kook Gim.
Women: E. Soon Choi.
Graduate School: Dr. Woo Choo Lee.
College of Liberal Arts: Yi Sup Hong.
College of Business Administration: Tae Young Song (acting).
College of Science and Engineering: Dr. Ki Won Chang.
College of Theology: Dr. In Ku Yun (acting).
College of Political Science and Law: Kwan Sook Park.
College of Medicine: Pyung Hee Lee.

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COLLEGES

Chinju Agricultural College: Chinju; f. 1948; 640 students; Dean Woon Sung Hwang.

Chunchon Agricultural College: Chunchon; 760 students; Dean In Sup Ham.

College of Oriental Medicine and Pharmacology: 10-15 Anam-dong, Sungbuk-ku, Seoul; f. 1948; 640 students; Dean Ho Poong Park.

Han Yang Institute of Technology: 8-2, Haengdang-dong, Sungdong-ku, Seoul; f. 1939; 2,300 students; Dean Yun Joon Kim.

Inha Institute of Technology: Inchon City; f. 1954; courses in metallurgical engineering, mechanical engineering, electrical engineering, mining engineering, naval architecture, chemical engineering, ordnance engineering, nuclear engineering, civil engineering, and architecture; Pres. Seung Man Choe.
Number of teachers: 71.
Number of students: 953.

Pusan Fisheries College: Pusan; 965 students; Dean Taeyung Chung.

Seoul Agricultural College: 8-3 Junnong-dong, Dongdaemun-ku, Seoul; f. 1950; 420 students; Dean Hi Jae Lee.

Soo Do Medical College: 4, Myungryun-dong, 2, Chongno-ku, Seoul; f. 1938; 760 students; Dean Dr. Gap Soo Lee.

Surabul Art Junior College: Seoul.

Technical High School: Makpu; chemistry, architecture and civil engineering.

Technical High School: Kwangjoo; electrical and mechanical engineering, and special courses in mining engineering and textile spinning; 1,750 students.

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THE LEBANON

Population 1,646,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: Fawzi Azar Building, Sidani Street, Beirut; has close links with the universities, and maintains a library of 16,000 volumes; Representative J. H. GRIMES.

Centro Cultural Hispánico (*Spanish Cultural Centre*): calle Omar Abdel Aziz, 123, Beirut.

Institut Français d'Archéologie: rue Georges Picot, P.O. Box 1424, Beirut; f. 1946; Dir. HENRI SEYRIG; library of 16,000 volumes; publs. *Syria, Revue d'Art et d'Archéologie* (40 vols. published), and *Bibliothèque Archéologique et Historique* (79 vols. published).

Institut Polonais pour la Littérature et la Science: 53 rue Ain al-Mreissé, Beirut; f. 1945.

Istituto Italiano di Cultura: rue Sadat 39, Beirut; Dir. Prof. MARIO MONTUORI.

U.S. Information Center: rue Clemenceau, Beirut.

LIBRARIES

Bibliothèque de l'Ecole Supérieure des Lettres: rue de Damas, Beirut; Librarian FADL KASSEM; number of volumes: 22,000.

Bibliothèque Nationale du Liban: Beirut; f. 1921; Dir. ABDALLAH TABBAE; copyright library, depository for U.N. documents, number of volumes: 100,000, and 2,500 MSS.

Bibliothèque Orientale: Université St. Joseph, Beirut; f. 1881; Dir. Rev. MAURICE TALLON, S.J.; number of volumes: 115,000; number of MSS.: 2,300.

Library of the American University: Beirut; f. 1866; Librarian FRANCIS L. KENT, M.A.; number of volumes: 154,000; 1,000 MSS.

Library of the Monastery of Saint-Saviour (*Basilian Missionary Order of Saint-Saviour*): Saida; f. 1711; number of volumes: 25,500 and 2,500 MSS.; Librarian GABRIEL HADDAD; publs. *Ar-Riçalat* (monthly), *An-Nahlat* (monthly) *L'Ordo Grec-Catholique.*

Library of the Faculty of Law: Université Saint Joseph, Beirut; f. 1913; Librarian SAMIR ABI-NAHED; number of volumes: 14,148.

Library of the French Faculty of Medicine and Pharmacy: Université Saint Joseph, Beirut; f. 1883; Librarian J. FLAMET; number of volumes: 15,000.

Library of the Higher School of Engineering: Université Saint Joseph, P.O. Box 1514, Beirut; f. 1931; Librarian E. ABDUL-JALIL; number of volumes: 7,000.

Library of the Institut Français d'Archéologie: rue Georges Picot, P.O. Box 1424, Beirut; f. 1946; Dir. HENRI SEYRIG; number of volumes: 16,000.

Library of the Ksara Observatory: Ksara; f. 1907; Dir. Rev. J. PLASSARD; number of volumes: 8,000.

Library of the Near East School of Theology: P.O. Box 235, Beirut; Librarian FAITH L. WINGER, M.R.E.; number of volumes: 21,000.

Library of the St. John Monastery (*Basilian Shweirite Order*): Khonchara; f. 1696; Abbot-General Rt. Rev. Father AUGUSTIN FARAH; number of volumes: 157,000, and 372 MSS

Library of the Syrian Patriarchal Seminary: Seminary of Charfé, Daroon, Harissa; f. 1786; number of volumes: 20,000, and 2,000 Syriac and Arabic MSS.; publ. *Trait d'Union.*

MUSEUMS

American University Museum: ras Beirut; f. 1868; Curator Dr. D. C. BARAMKI; collection includes: Stone Age flint implements; bronze tools and implements from Early Bronze Age to Byzantine Period; pottery and other artefacts from the Bronze and Iron Ages, Classical, Hellenistic, Roman and Byzantine Periods; Arabic pottery from the 8th-16th centuries; Phoenician glassware; Egyptian artefacts from the Neolithic, Dynastic Periods, pottery from the Neolithic Period of Mesopotamia and cylinder seals and cuneiform tablets from Sumer and Akkad; numismatics of the countries in the eastern basin of the Mediterranean.

National Museum of Lebanon (*Musée National*): Beirut; f. 1920; Dir. and Chief Curator Emir MAURICE CHÉHAB; exhibits: royal jewellery, arms and statues of the Phoenician epoch; sarcophagus of King Ahiram (13th century B.C.), with first known alphabetical inscriptions; the collection of Dr. G. Ford of 25 sarcophagi of the Greek and Hellenistic epoch; large collection of terracotta statuettes of the Hellenistic period; Roman and Byzantine mosaics; publ. *Bulletin.*

UNIVERSITIES

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT

Telephone: 20160

Founded 1866

President: NORMAN BURNS, M.A., L.L.D.
Vice-Presidents: FUAD SARRUF, B.A. (Sec.), ARCHIE S. CRAWFORD, M.A. (Special University Services).
Comptroller: WILLIAM F. RICE, M.LITT.
Registrar: FARID AMIN FULEIHAN, B.B.A.
Librarian: FRANCIS L. KENT, M.A.

Number of teachers: 468.
Number of students: 2,973.

Publications: *Social Science, Archæological, Oriental, Natural Science* and *Medical Series, Al-Abhath* (Arabic quarterly).

DEANS:

Faculty of Arts and Science: FARID S. HANANIA, B.B.A., M.A., LL.B.
Faculty of Medical Sciences: J. J. MCDONALD, M.D., M.S., D.M.S. (Dean of the School of Medicine); SAMUEL B. KIRKWOOD, M.D., D.SC.

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Faculty of Engineering: EDWARD S. HOPE, B.A., M.SC.C.E., ED.D. (Acting Dean).
Faculty of Agricultural Sciences: ROBERT A. NICHOLS, B.S., PH.D.

PROFESSORS:

Faculty of Arts and Science:

BARAMKI, DIMITRI C. (History).
BUTROS, JOSEPH M. PH.D. (Biology).
CONSTAN, NICHOLAS D., D.SC. (Chemistry).
FARIS, NABIH AMIN, PH.D. (Arab History).
FRAYHA, ANIS K., PH.D. (Semitic Studies).
HANANIA, FARID, B.B.A., M.A., LL.B. (Law).
HIJAB, WASFI, PH.D. (Mathematics).
ISSIDORIDES, COSTA H., PH.D. (Chemistry).
JABBUR, JIBRAIL S., PH.D. (Arabic).
KENNEDY, EDWARD S., PH.D. (Mathematics).
KURANI, HABIB A., PH.D. (Education).
LUTFIYYA, ABDALLAH, PH.D. (Sociology).
MALIK, CHARLES, PH.D. (Philosophy).
MAUZEY, JESSE V., PH.D. (Philosophy).
MIRHIJ, JOHN I., PH.D. (Biology).
MONTIMY, PIERRE, B.S. (Art).
NASSAR, SALWA C., PH.D. (Physics).
OSWALD, ROBERT, M.A. (Economics).
PROTHRO, E. TERRY, PH.D. (Psychology).
RAVEN, THEODOR, DR. SC. (Geology).
SCAIFE, CHRISTOPHER H. O., M.A. (English).
SEWELL, WILLIAM A., B.A., B.LITT. (English Literature and General Education).
STOAKES, JAMES, PH.D. (English).
THURSTON, BURTON, TH.D. (Religion).
WELLAND, MALCOLM W. M. B.A. (English).
YAZIJI, KAMAL K., PH.D. (Arabic).
YOUTSLER, JAMES, PH.D. (Economics).
ZEINE, ZEINE N., PH.D. (History).
ZIADEH, NICOLA A., PH.D. (Arab History).
ZURAYK, CONSTANTINE K., PH.D. (Arab History).

Faculty of Medical Sciences:

BADEER, HENRY S., M.D. (Physiology).
BICKERS, WILLIAM M., M.D. (Obstetrics and Gynecology).
CHAGLASSIAN, HRANT, M.D. (Dermatology and Syphilology).
DAVID, GEORGE, M.A. (Histology).
DIAB, ALFRED E., M.D. (Ophthalmology and Otolaryngology).
FAWAZ, GEORGE A., PH.D. (Pharmacology).
GHANTUS, MUSA K., M.D. (Anatomy).
JIDEJIAN, YERVANT D., M.D. (Surgery).
KIRKWOOD, SAMUEL B., M.D. (Maternal Health).
MANOUGIAN, ANTRANIG S., M.D. (Psychiatry).
MCDONALD, JOSEPH J., M.D., M.S., D.M.S. (Surgery).
MORTON, JOSEPH J., M.D., D.M.S. (Surgery).
NACHMAN, HENRY S., M.D. (Pediatrics).
SAHYUN, PHILIP F., M.D. (Pathology).
SCHWABE, CALVIN W., M.S. (Parasitology).
SHAHID, MUNIB J., M.D. (Internal Medicine).
TABBARA, RIYAD A., M.D. (Internal Medicine).
WILLIAMS, CICELY D., M.B., CH.B. (Maternal and Child Care).
WILSON, J. L., M.D. (Surgery).
WOODRUFF, CALVIN W., M.D. (Pediatrics).

School of Pharmacy:

ABOU-CHAAR, C., PH.D. (Pharmacognosy).
HADDAD, AMIN F., M.S. (Pharmacy).

School of Public Health:

ADROUNI, V. HARRY, B.A., B.S. (Public Health).

School of Engineering:

BRIDGEWOOD, THOMAS, PH.D. (Electrical Engineering).
GHOSN, RAYMOND S., M.SC., C.E. (Architectural Engineering).
HOPE, EDWARD S., M.SC., C.E., ED.D. (Civil Engineering).
MANASSAH, NICOLAS E., B.SC.C.E. (Civil Engineering).
NASSER, J., PH.D., C.E. (Structures).
SLOANE, ROBERT W., PH.D. (Applied Sciences).
YERAMIAN, K. K., M.A.S.C.E., M.A.S.M.E., M.A.I.E.E. (Engineering).

School of Agricultural Sciences:

MCCRARY, JOHN, ED.D. (Agricultural Engineering).

School of Agricultural Sciences:

NICHOLS, ROBERT A., PH.D. (Plant Science).
ROTTENSTEN, KNUD V., PH.D. (Agriculturel Economics).
WARD, G. H., PH.D. (Agricultural Economics).
WORZELLA, W. W., PH.D. (Agronomy).

ASSOCIATE COLLEGE:

International College: Beirut; first organised as a high school at Izmir in Turkey, later moved to Beirut and is now in charge of pre-university work; its pre-university schools consist of the Elementary School, the Preparatory Section and the Secondary Section which prepares for baccalaureate examinations.
Principal: THOMAS C. SCHULLER, M.A.

BEIRUT ARAB UNIVERSITY

ELTAREEK ELGUIDIDA, BEIRUT

Founded 1960

President: ALY AHMED RACHID.
Number of students: 134.

DEANS:

Faculty of Arts: ABDEL AZIZ ATEEK.
Faculty of Law: ABDELGHANY ELRIDY.
Faculty of Commerce: ALY AHMED BAKIR.

UNIVERSITÉ LIBANAISE

(Lebanese University)

UNESCO BUILDING, BEIRUT

Founded 1953

Rector: FOUAD E. BOUSTANY.
Secretary: ABBAS ALAMEDDINE.
Number of teachers: 150.
Number of students: 1,500.

DEANS:

Faculty of Letters: ANTOINE G. KARAM.
Faculty of Science: HASSAN MOUCHARRAFIEH.
Faculty of Law: WAFIE KASSAR.

UNIVERSITÉ SAINT JOSEPH

B.P. 293, BEIRUT
Telephone: 20535.

Fo inded 1881.

Rector: Rev. ALBAN DE JERPHANION, S.J.
Secretary-General: FRANÇOIS TRAK.
Number of students: 1,992.
Publications: *Mélanges de l'Université Saint Joseph, Mémoires annuels* (f. 1905), *Travaux et Jours* (quarterly, No. 1 April 1961).

FACULTY OF THEOLOGY

Founded 1846 as a theological seminary, and established in 1881 as a university with the right to grant degrees.

Chancellor: Rev. JEAN-BAPTISTE JANSSENS.
Vice-Chancellor: Rev. ABDALLAH DAGHER, S.J.
Rector: Rev. ALBAN DE JERPHANION, S.J.
Prefect of Studies: EDOUARD MOUROCADE.
Director of Oriental Library: M. TALLON.

PROFESSORS:

ADEM, JOSEPH (Biblical Studies).
ANGÉNIEUX, JOSEPH (Theology).
DELANGLADE, J. (Moral Theology).
DUPRÉ LA TOUR, AUGUSTUS (Theology).
FARAH, E., Archbishop of Cyprus (Theology).

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FINNEGAN, JAMES M. (Scholastic Philosophy and History of Ancient Philosophy).
GAITH, JÉROME (History of Modern Philosophy).
GONTHIER, EUGÈNE (Moral Theology).
HAGE, A. (Canon Law).
KHALIFÉ, IGNACE ABDO (Dogma).
LANVERSIN, FERDINAND DE (Dogma).
MOURACADÉ, EDOUARD (Dogmatic Theology).
MOURANY, A.-H. (Philosophy, History of Arab and Medieval Philosophy).
MOUTERDE, PAUL (Greek, Hebrew and Coptic Languages).
RABOT, C. (Scholastic Philosophy).
RORTAN D'ANCEZUNE, HEURY (Theology).
SARGI, B. (History of Modern Philosophy).
SZABO, L. (Biblical Studies).
TAYAH, W. (Ecclesiastical History).

FRENCH FACULTY OF MEDICINE AND PHARMACY

Founded 1883.

Chancellor: Rev. PIERRE MADET, S.J.
Vice-Chancellor: MARCEL VÉRILLON, S.J.
Secretary: FOUAD KHALIL.

Publications: *La Revue Médicale du Moyen Orient* (quarterly), *La Faculté* (monthly).

PROFESSORS:

CAIX, M. (Anatomy, Surgical Medicine).
CIAUDO, DENIS (Clinical Surgery).
DUMAS, L. (Physics, Mathematics, Deontology).
DUPRÉ LA TOUR, FRANÇOIS (Medical Biophysics).
EL-KHAZEN, P. (Medical Pathology).
FLAMET, JACQUES (Histology and Embryology).
GRENIER DE CARDENAL, Dr. L. J. (Bacteriology and Parasitology).
HINDEMEYER, J. (Physical Medicine).
HONAIN, A. (Therapeutics).
JOHANNY, R. (Dermatology, Syphilology).
LYS, P. (Biology).
MADET, P. (Biology, Parasitology).
MAJDALANI, E. (Pediatrics).
MAKHLOUF, ANIS (Surgical Pathology).
MELKI, L. (Hygiene and Preventive Medicine).
MÉRAB, ANTOINE (Medical Pathology).
PONTHUS, PAUL (Radiology and Physiotherapy).
THOMAS, PHILIPPE (Ophthalmology and Oto-Rhino-Laryngology).

FACULTY OF LAW

Founded 1913.

Chancellor: JOSEPH ADEM.
Director: ANDRÉ GERVAIS.
Secretary: ALEXANDRE ABDELNOUR.

Publication: *Annales de l'Ecole Française de Droit de Beyrouth.*

PROFESSORS:

BIAYS, P. (International Organisations and History of Public Law).
BOURGUINAT, H. (Economics).
BOYER, L. (Juridicial Institutions, Civil Law).
CHAMAS, S. (Constitutional Law).
DEBBANE, F. (Economics and Financial Legislation).
DUCRUET, J., S.J. (Economic Systems and Structures).
GANNAGE, E. (Economics).
GERVAIS, A. (Administrative Law).
MAZAS, P., S.J. (Social Law).
MOUSSERON, J. M. (Civil Law).
PEUCH, J. (Constitutional Law).
TEILHAC, E. (Political Economy, Economic History).
TYAN, E. (International Private Law).

HIGHER SCHOOL OF ENGINEERING

Founded 1913.

Chancellor: Rev. ALBAN DE JERPHANION, S.J.
Director: FRANCIS FOURÉ.
Secretary: JACQUES BITAR.

PROFESSORS:

FOURÉ, F. (Heating).
GUEVEL, PIERRE (Hydraulics).
HARTMANN, P. (Chemistry).
KETTERER, HENRI (Mathematics, Physical Engineering).
LALANGUE, PIERRE (Electrical Engineering, Lighting Engineering).
LANGHADE, ERASTE (Mechanical Engineering).
NAGGEAR, JOSEPH (Civil Engineering).
WELTEN, W. (Physics).

ORIENTAL INSTITUTE

Founded 1933.

(Formerly the Oriental Faculty)

Director: Rev. MAURICE TALLON, S.J.
Secretary: FRANÇOIS TRAK.

Publications: Collection *Recherches, Recueil de Mémoires.*

PROFESSORS:

ABD-EL-NOUR, JABBOUR (Arabic Literature).
ABOU, S. (Sociology of the Near and Middle East).
ABOU-CHACRA, H. (History of the Arab East).
ALLARD, M. (Islamology).
AUCAGNE, J. (Arab Philosophy).
BOUSTANY, FOUAD (History of Arabic Literature and Civilisation).
BOUSTANY, SAID (Oriental Studies).
CHEHAB, Emir MAURICE (History and Archæology of the Ancient East).
D'ALVERNY, ANDREAS (Propaduetics).
FLEISCH, HENRI (Semitic Philology).
GEORR, KHALIL (History of Arab Philosophy).
HOURS, F. (History of the Arab East).
JABRE, F. (Islamology).
KABALAN, HASSAN (Sociology, Islamic Institutions).
MÉCÉRIAN, JEAN (Language, History and Institutions of Armenia).
MOURAD, J. (Eastern Sociology).
NADER, A. (Islamology).
TALLON, M. (Ancient History of Armenia, Greek-Roman History and Archæology of Syria).

Publications: Collection *Recherches, Recueil de Mémoires.*

KSARA OBSERVATORY

Director and Astronomer: Rev. JACQUES PLASSARD, S.J.
Seismology: Rev. B. KOGOY, S.J.
Magnetism and Electricity: Rev. JEAN DELPEUT, S.J.
Meteorology: Rev. JEAN REY, S.J.

Publications: *Bulletin Climatologique du Service Météorologique, Bulletin Séismologique Provisoire* (monthly), *Annales-Mémoires, Annales Seismologiques, Annales Climatologiques* (annually), and various other irregular publications.

COLLEGES

ACADÉMIE LIBANAISE DES BEAUX ARTS

(Lebanese Academy of Fine Arts)

RUE LAZARYEH, BEIRUT

Founded 1937

Director: M. LE LANNON.
Secretary-General: PAUL SANLAVILLE.

DIRECTORS:

School of Letters: JEAN MAROUN.
School of Architecture: JOSEPH NAGGEAR.
School of Music (including Dramatic Art): NICOLAS DALE.
School of Painting: CÉSAR GÉMAYEL.
School of Political Sciences: NAGIB SADAKA.
School of Law: ((vacant).

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BEIRUT COLLEGE FOR WOMEN

P.O. BOX 4080, BEIRUT

Telephone: 252,590-3

Telegraphic Address: Becoge, Lebanon

Founded 1924

President: FRANCES M. GRAY, M.A., M.S., M.R.E., LL.D.

Registrar: MARIE SABRI.

Offers B.A. and B.S. degrees in the following: Arabic, Education, English, Home Economics, History, History-Politics, Fine Arts, Religion-Philosophy, Science, Mathematics, Psychology, Sociology-Pre-social Work.

CENTRE D'ETUDES ET DE RECHERCHES MATHÉMATIQUES ET PHYSIQUES

RUE DE DAMAS, B.P. 3855, BEIRUT

Founded 1945

Director: M. CHEVRIER.

Number of students: 250.

ECOLE SUPÉRIEURE DES LETTRES DE BEYROUTH

B.P. 1931, BEIRUT

Founded 1944

Director: JACQUES METTRA.

Secretary-General: EDOUARD WAKIM.

Number of teachers: 40, including 6 professors.

Number of students: 580.

INSTITUT DE GÉOGRAPHIE DU PROCHE ET MOYEN ORIENT

AVENUE DE DAMAS, B.P. 2961, BEIRUT

Founded 1946

Director: M. LE LANNOU.

Secretary-General: PAUL SANLAVILLE.

Centre Regional de Formation des Cadres Supérieurs de l'Enseignement dans les états Arabes: P.O.B. 5244, Beirut; f. 1961; for the advanced training of senior educational personnel in educational planning and administration in the Arab countries; Dir. Dr. ABDEL AZIZ EL-KOUSSY.

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LIBERIA

Population 2,500,000

RESEARCH INSTITUTE

The Liberian Institute of the American Foundation of Tropical Medicine, Inc.: Robertsfield; f. 1952; research into the tropical diseases of man; the diseases of domestic animals which can be a source of food in tropical countries; and the improvement and development of crops which can be grown in the tropics as food for man and domestic animals.

LIBRARIES

College of West Africa Library: Ashmun Street, Monrovia.

Government Public Library: Ashmun Street, Monrovia.

Liberian Information Service Library: Monrovia; reference.

United States Information Library: Broad Street, Monrovia; operated jointly by the Liberian Government and the United States Government.

UNESCO Mission Library: Monrovia.

University of Liberia Library: University of Liberia, Sinkor, Monrovia.

UNIVERSITY AND COLLEGES

UNIVERSITY OF LIBERIA

MONROVIA

Telephone: 589 and 590

Founded as Liberia College 1862; University 1951

By the amended Charter of 1961 the University incorporates the following colleges: Liberia College, The Louis Arthur Grimes School of Law, The William V. S. Tubman Teachers' College, The Thomas J. R. Faulkner College of Engineering, The College of Business Administration, The College of Forestry, The College of Agriculture, The College of Medicine.

President: Dr. Rocheforte L. Weeks.
Dean of Administration: Dr. Advertus A. Hoff.
Registrar: Mr. James J. Cooper.
Librarian: Mrs. Izetta Roberts Cooper.

The Library contains approx. 15,000 vols.
Number of teachers: 85.
Number of students: 535.
Publications: *The University of Liberia Catalog and Announcements, The University of Liberia Journal, This Week on Campus, A Short History of Liberia College and the University of Liberia, University of Liberia Register of Graduates.*

Heads of Degree Schools:

Dean of the Teachers' College: Mrs. Mary A. Brown.
Dean of the College of Liberal and Fine Arts: Mrs. Fatima Massaquoi Fahnbulleh.
Dean of the College of Law: Counsellor Joseph W. Garber.
Chairman of Science Division, College of Liberal and Fine Arts: Prof. Percival W. Gideon.

Heads of Non-Degree Schools:

Principal of Laboratory High School: Mrs. Laura Norman.
Director of the School of Business Administration: Mrs. Eugenia Simpson Cooper.

Professors;

Brown, Mary Antoinette (Education).
Burgh, John H. (Forest Utilisation).
Dempster, Roland (Literature).
Edwards, Vivian (English).
Gadish, I., (Engineering).
Garber, Joseph W. (Law).
Gideon, Percival W. (Biology).
Hoff, Advertus A. (Educational Administration).
Jaenicke, Ingeborg (Sociology).
Joshua, J. P. (Biology).
Ma, Paul C. (Agriculture).
Massaquoi-Fahnbulleh, Fatima (Social Science and Romance Languages).
Mitchell, S. Wede (English).
Wiercimok, Joachim (German).

BOOKER WASHINGTON AGRICULTURAL AND INDUSTRIAL INSTITUTE

KAKATA

Owned and operated by the Government of Liberia through the Department of Education, R.L.

Principal: M. Kronyanh Weefur.

CUTTINGTON COLLEGE AND DIVINITY SCHOOL

SUACOCO, GBARNGA, CENTRAL PROVINCE

Founded 1888 (closed 1928 and re-opened 1948)

Cuttington College is maintained by the Protestant Episcopal Church of America, and the Divinity School is operated by the Church as a joint project with the Methodist Board of Foreign Missions. There are Faculties of Theology, Agriculture, Natural Sciences, Education and Liberal Arts. The College awards, B.S., B.A., and B.D. degrees.

President: Dr. Christian E. Baker.
Registrar: J. Bruce Nichols, B.S., M.Ed.
Librarian: J. Rudolph Johnson, B.S., M.A.

The Library contains approx. 16,000.
Number of teachers: 32.
Number of students: 160.
Publications: *Cuttington Review, Echos of Cuttington, Cuttington College,* and *Divinity School Catalogue.*

Deans:

Dean of Instruction: Melvin Mason, B.A., M.A.
Dean of Men: Alfonse K. Miksis, B.S., M.A.
Dean of Women: Mrs. Ida R. Stevens, B.S.

Heads of Departments:

Agriculture: David R. Mears, B.S., M.S.
Education: Cecily Delafield, B.S., M.A.
Liberal Arts: Dr. John H. Gay, B.E.P.
Science: Alex Varkey, B.S., M.S.

MARYLAND COLLEGE OF OUR LADY OF FATIMA

MARYLAND AVENUE, HARPER, CAPE PALMAS

Founded 1953

President: Rev. George Landry.
Awards of B.Sc. degrees in Education.

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LIBYA

Population 1,200,000

LEARNED SOCIETIES

British Council: 16 Zaviet ed-Dahmani, Tripoli (P.O.B. 643); Rep. Dr. A. CRAIG-BENNETT, O.B.E.; office at Benghazi: P.O.B. 368; Dir. D. L. LISTER, M.B.E.

Centre Culturel Français: Tripoli; f. 1955; Dir. J. FELYCHOU.

Istituto Italiano di Cultura: Sciara El Baladia 144, Tripoli; Dir. Dott. RINA VERGARA CAFFARELLI.

U.S. Information Center: American Center, Sharia Baladia, Tripoli; library, reading room; also at Benghazi.

LIBRARIES

Al-Awqaf: Tripoli; an old-established library; Dir. AHMED FAGHI HASSAN.

American Cultural Centre Library: Tripoli; 3,715 vols.

Benghazi Public Library: Benghazi; 7,000 vols.

Biblioteca del Istituto Italiana di Cultura: Tripoli; 7,500 vols.

British Council Library: Tripoli; 3,520 vols.

Italian Cultural Centre Library: Tripoli; 7,500 vols.

Library of the Ministry of Education: Tripoli; Dir. IBRAHIM MUNTASSER.

Library of the University of Libya: Benghazi; Librarian SULEIMAN TARBA; Tripoli: Librarian SALEM ZENATY.

Tripoli Public Library: Tripoli; 32,891 vols.

United Arab Republic Cultural Centre Library: Tripoli; 20,000 vols.

United States Information Center Library: c/o American Embassy, Tripoli, Libya.

MUSEUMS

Archaeological Museum: Castello, Tripoli; Dir. Prof. Dr. ANTONINO DI VITA.

Department of Antiquities: Cyrene; Dir. R. G. GOODCHILD.

Leptis Magna Museum of Antiquities: Tripolitania; Dir. Dr. VERGARA CAFFARELLI.

Natural History Museum: Castello, Tripoli; Dir. Prof. T. PROVASI.

Sabratha Museum of Antiquities: Tripolitania; Dir. Prof. ANTONIUS DI VITA.

UNIVERSITY

UNIVERSITY OF LIBYA

BENGHAZI

Founded 1956

Rector: BAKRI GADOURAH.

The Faculty of Arts is centred at the Qasri El Manar Palace, Benghazi.

Dean: (Vacant).

Number of teachers: 32.
Number of students: 256.

The Faculties of Science and Commerce were opened in 1957.

Faculty of Science, Tripoli.

Dean: Prof. MUNIR BURSHAN.

Number of teachers: 20.
Number of students: 132.

Faculty of Commerce: Benghazi.

Dean: (Vacant).

Number of teachers: 14.
Number of students: 123.

SCHOOLS AND COLLEGES

Agricultural Training Centres: Sidi Mesri, Tripolitania; under Libyan-American Joint Services; Principal Mr. DAVIES; there is a similar centre in Cyrenaica.

Arts and Crafts School: Tripoli; Principal Mr. SALIM ZEGALLAI.

College of Advanced Technology: P.O. Box 1098, Tripoli; f. 1961; financed by the UNESCO Special Fund and the Libyan Government; to provide 5-year degree courses in mechanical, civil and electrical engineering and in food technology.

Legal Studies Centre: Tripoli; f. 1957.

Teachers' Training Colleges and Religious Centres (*Seyid Alhamed Ali Senussi Centre*): Beda, Cyrenaica and Tripoli; Dir. Judge MANSOUR MAHJUD.

Technical and Clerical College: Tripoli; f. 1951; under the International Labour Organisation of the United Nations; Principal Mr. STEPHENS; 400 students.

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LUXEMBOURG

Population 319,500

LEARNED SOCIETIES

Institut Grand-Ducal: includes four sections: (*a*) Historical (Pres. M. Nic. Margue; Sec. M. Steffen), (*b*) Medical (Pres. Dr. H. Loutsch; Sec. Dr. Feltes), (*c*) Scientific (Pres. A. Willems; Sec. H. Thill), (*d*) Linguistic and Folklore (Pres. I. Comes; Sec. E. Ludovicy).

Commission d'Instruction: rue du Saint Esprit, Luxembourg; special collections: psychology, pedagogy; 400 vols. in library; Pres. Prof. Albert Nothumb.

Société des Naturalistes Luxembourgeois: Luxembourg; f. 1872; 450 mems.; Pres. Marcel Heuertz; Vice-Pres. Eug. Beck, Rob. Stumper; Hon. Pres. Gust. Faber, Fr. L. Lefort; publ. *Bulletin* (annual).

LIBRARIES AND ARCHIVES

Archives du Gouvernement: 4 Boulevard Roosevelt, Luxembourg.

Bibliothèque de la Ville: Esch-sur-Alzette; f. 1901; French, English, Italian and German literature and popular science books; 29,124 vols.; special collection of Luxemburgensia; 76 publ.; 4,320 mems.; Librarian J. P. Kinsch.

Bibliothèque du Gouvernement: 9 rue Notre Dame, Luxembourg; Dir. Joseph Goedert.

Bibliothèque Nationale: 14A Boulevard Royal, Luxembourg; f. 1798, re-organised 1897, 1945 and 1958; 516,000 vols., 269 MSS., 464 incunabula; special collection of 26,000 Luxemburgensia; Dir. Prof. Dr. Joseph Goedert; Librarians Fernand Lemmer, Carlo Hury, Robert Schumacher; publs. *Bibliographie Luxembourgeoise* (annual), special bibliographies.

MUSEUM

Musées de l'Etat (*State Museums*): Marché aux Poissons, Luxembourg; Dir. Prof. Jos. Meyers.

UNIVERSITY

UNIVERSITÉ INTERNATIONALE DE SCIENCES COMPARATIVES

(International University of Comparative Sciences)

13 RUE DU ROST, LUXEMBOURG

Telephone: 414. 61

Founded 1958

President: Joseph Leydenbach.
Director: Arnould Nimax.
Librarian: Roger Rehlinger.

Number of teachers; 127 (all temporary).
Number of students: 350.

Deans:

Faculty of Comparative Law: K. H. Neumayer.
Faculty of Comparative Economics: Léon Dupriez.

PROFESSIONAL AND TECHNICAL COLLEGES

Ecole Agricole: Avenue Salentiny, Ettelbruck; f. 1883; number of teachers 9; number of students 140.
Director: J.-P. Lanners.

Institut d'Enseignement Technique: rue Guillaume Schneider 19, Luxembourg; f. 1958, formerly Ecole d'Artisans, f. 1896.
Director: Joseph Bisdorff.
Secretary: Robert Martin.
Consists of:

Ecole des Arts et Metiers: (three year course); classes in electrical, mechanical, building, joinery, sculpture, painting trades, and for ceramics.
Number of teachers: 50.
Number of students: 450.

Ecole Technique: (preparatory section and three-year course); classes in building, mechanical and electrical trades.
Number of teachers: 20.
Number of students: 240.

Ecole Professionnelle de l'Etat: Place Victor Hugo, Esch-sur-Alzette; f. 1914; number of teachers 54; number of students 1,200.
Director: Paul Schleimer.

Ecole Professionnelle et Ménagere: 101 rue de Luxembourg, Esch-sur-Alzette. Dir. M. Maria-Hilf.

Ecole Supérieure du Travail: Ministère du Travail, 55 Boulevard de la Pétrusse, Luxembourg.
President: Prof. J. P. Winter.
Director: G. Glaesener.
Secretary: R. Berg.

Collège Médical: 22 rue Zithe, Luxembourg.
President: Dr. Alolphe Faber.

Laboratoire de Bactériologie (*Section of Medicine and Section of Chemistry*): 42 rue du Laboratoire, Luxembourg.
Director: Dr. Fernand Schwachtgen.

Conservatoire de Musique de la Ville de Luxembourg: 14–16 rue du Saint Esprit, Luxembourg; f. 1906.
Director: (Vacant).
Secretary: Eugène Lamesch.
Number of teaching staff: 28 professors.

Ecole Municipale de Musique: rue de l'Eglise 10, Esch-sur-Alzette; f. 1926.
Principal: Jules Spedener.
Secretary: Francis Soumer.
Number of teaching staff: 17, including 9 professors.
Number of students: 600.

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MADAGASCAR

Population 5,657,601

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Académie Malgache: Tananarive; studies in human and natural sciences; monthly meetings; Pres. Dr. P. RADAODY RALAROSY.

Alliance Française: Tananarive.

Fondation Nationale de l'Enseignement Supérieur: 17 rue Dr. Villette, Tananarive; co-ordinates all higher education.

Institut de Recherches Scientifiques de la République Malgache: Tsimbazaza, Tananarive; conducts research in soil science, hydrology, oceanography, geography, ecology, botany, ethnography and anthropology; Asst. Dir. JACQUES AIMÉ.

Institut de Recherches Agrononomiques de la République Malgache: Tananarive; numerous stations, particularly at L'Ilaka (coffee) and Lake Alaotra (rice and vegetables).

Institut Pasteur: Tananarive.

Institut d' Hygiene Sociale: Tananarive.

Région de Recherches Vétérinaires et Zootechniques de Madagascar:
Laboratoire Central de l'Elevage.
Centre de Recherches Zootechniques: Kianjasoa.
Centre de Recherches Zootechniques: Miadana.

LIBRARIES

Bibliothèque Municipale: Antsirabé; Librarian JEANNE RABODOMALALA.

Bibliothèque Universitaire: B.P. 908, Tananarive; *c.* 30,000 vols.; Dir. M. FONTVIEILLE.

U.S. Information Center Library: Tananarive.

MUSEUM

Musée Historique: Palais de la Reine, Tananarive.

UNIVERSITY

UNIVERSITÉ DE MADAGASCAR

18 RUE DU DOCTEUR VILLETTE
B.P. 566, TANANARIVE
Telephone: 40-47, 48, 49
Founded 1961

Rector: Prof. FABRÉ (Faculty of Law, Aix-en-Provence).
Number of teachers: 57.
Number of students: 1691.

Faculté de Droit et des Sciences Economiques: Route du Fort-Voyron, Belefatanana, Tananarive.
Dean: Prof. PRÉVOST.
Number of teachers: 21.
Number of students: 733.

Faculté des Sciences et des Techniques: Ampasampito, Tananarive.
Dean: Prof. AUDIER.
Number of teachers: 32.
Number of students: 293.

Faculté des Lettres et Sciences Humaines: Mahamasina, Tananarive.
Dean: Prof. MALLET.
Number of teachers: 25.
Number of students: 298.

Ecole Nationale de Médecine et Pharmacie: Secrétariat: Institut d'Hygiène et de Prophylaxie, Avenue de la Réunion, Tananarive.

Ecole Nationale de Promotion Sociale: 5 rue Nicolas Mayeur, Tsaralalana, Tananarive.
Director: Prof. GRANGER.

Ecole Nationale des Travaux Publics: 38 route circulaire, Ampandrana-Est, Tananarive.
Director: Prof. BRENON.

Ecole Nationale d'Agriculture: Route du Fort-Duchesne Ampandrianomby, Tananarive.
Director: Prof. FROGET.

Institut d'Etudes Judiciaires: Route du Fort-Voyron, Befelatanana, Tananarive.
Director: Prof. PEDAMON.

Centre d'Administration des Enterprises: Route du Fort-Voyron, Befelatanana, Tananarive.
Director: Prof. HOSAMLIN.

Instituts de Preparation aux Enseignements du Second Degré:
Sciences: *Director:* (Vacant).
Lettres: *Director:* Prof. GAUSSIN.

Radio-Université: 17 rue Bergé, Tananarive.
Director: Prof. MALLET.

Station Marine de Tuléar: B.P. 141 Tuléar.
Director: Prof. LEGENDRE.

COLLEGES

Ecole Nationale des Sciences Appliquées à l'Agriculture: Tananarive; f. 1961.

College Rural d'Ambatobe: B.P. 1,629, Tananarive; Dir. M. ROGER RAJOELISOLO.

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FEDERATION OF MALAYSIA

Population 10,177,027

MALAYA SABAH (NORTH BORNEO) SARAWAK SINGAPORE

MALAYA

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: 166-A Jalan Imbí, Kuala Lumpur; French cultural association and school of French language.

Arts Council of Malaya: P.O. Box 630, Kuala Lumpur; Chair. Syed Zainad Abidin; Sec. G. Chandy.

British Council, The: Jalan Bluff, Kuala Lumpur; and Library Building, Farquhar Street, Penang; Rep. for Malaya J. K. L'Estrange.

Division of Agriculture: Ministry of Agriculture and Co-operatives, Kuala Lumpur; f. 1906; undertakes all aspects of research for improvement of agricultural crops and disseminates information among the farming community. Contains a library of 56,000 vols.; number of senior scientific staff 46; Dir. Mohamad bin Jamil (acting); publ. *Malayan Agricultural Journal, Bulletins, Leaflets in Vernacular and English, Majallah Pertanian.*

Forest Research Institute: Kepong, Selangor, Malaya; consists of 500 acres of experimental plantations, an arboretum of over 250 different species, a small coniferetum, a nursery, a museum, a herbarium of nearly 60,000 sheets of tree species, a large bark collection, a wood collection of over 7,000 specimens, and a library of 4,500 vols.; branches in Silviculture, Forest Mensuration, Forest Botany and Ecology, Timber Research, Entomology, Chemistry and Wood Identification; the Timber Research Laboratory deals with timber mechanics, seasoning, preservative, plywood and glue, and wood-working; the Chemistry Laboratory deals with pulp and paper investigations of Malayan cellulose materials; Chief Research Officer G. G. K. Setten.

Attached to the Institute is a Forest School training 60 Malay forest subordinates each year; courses in timber identification held annually.

Goethe Institut (*German Cultural Institute*): 386 Circular Road, P.O.B. 178, Kuala Lumpur; Dir. Dr. Dietrich Kreplin.

Institute for Medical Research: Pahang Road, Kuala Lumpur, Malaya; f. 1900.
Director: J. B. Duguid, M.D., CH.B. (Aberdeen).
Librarian: Mary S. Eyles, M.A., M.S.BIOL.

Division of Bacteriology
Senior Bacteriologist: R. Bhagwan Singh, M.B., B.S., D.T.M.
Bacteriologist: Lim Teong Wah, M.B., B.S.
Medical Officer: Miss Tan Choong Oi, M.B., B.S.
Research Fellow: J. T. Ponnampalam, M.B., CH.B., B.A.O., L.R.C.P.S., L.R.F.P.S.

Division of Biochemistry
Officer-in-Charge: Cheong Weng Hooi, B.SC., M.I.BIOL.
Medical Officers: Loo Soon Cheng, M.B., B.S., H. S. Ahluwalia, M.B., B.S.

Division of Entomology
Senior Entomologist: G. F. de Witt, B.SC., PH.D.
Entomologist: R. H. Wharton, M.SC., PH.D.

Division of Malaria and Filariasis Research
Senior Malaria and Filariasis Research Officer: A. A. Sandosham, M.D., PH.D., L.M.S.

Division of Nutrition
Senior Nutrition Officer: Datin F. A. Thomson, M.R.C.S., L.R.C.P.
Nutrition Officer: Lim Kwong Heng, B.SC.
Medical Officer: Mrs. Lie-Injo Loan Eng, M.D., D.T.M. & H.

Division of Pathology
Senior Pathologist: H. I. Williams, B.A., M.B., B.CHIR.
Medical Officers: Loke Yung Wai, M.A., M.B., B.CHIR., Miss C. G. Lopez, M.B., B.S.

Division of Serology and Lymph Station
Officer-in-Charge: R. Bhagwan Singh, M.B., B.S., D.T.M.

Division of Virus Research and Medical Zoology
Medical Zoologist: Ow Yang Chee Kong, B.SC., M.I.BIOL.
Virus Research Officer: Tan Chin Guan, M.B., B.S.
Superintendent of Animal House: Lau Kheng Khuang.

I.M.R. Branch Laboratory, Penang
Senior Pathologist: J. K. Lucas, B.A., M.B., B.S.
Pathologist: Chan Kok Ewe, M.B., B.S.

I.M.R. Branch Laboratory, Perak
Senior Pathologist: J. A. Chelliah, L.M.S.

Malayan Historical Society: Muzium Negara, Kuala Lumpur; Pres. Tun Abdul Razak.

Malayan Scientific Association: c/o Institute for Medical Research, Pahang Road, Kuala Lumpur; f. 1954; 113 members, engaged in scientific and technological work. Pres. Prof. A. A. Sandosham; Hon. Sec. Dr. E. K. Ng; Hon. Foreign Sec. L. F. H. Merton.

Malayan Zoological Society: P.O. Box 706, Kuala Lumpur; Pres. Tun Abdul Razak.

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Rubber Research Institute of Malaya: P.O. Box 150, Kuala Lumpur, Malaya; est. 1925; consists of laboratories and an Experimental Station of over 3,000 acres; research and advisory service on rubber production for Malaya and co-operating countries; library of 14,000 volumes; number of senior scientific staff 85.

Director: C. C. WEBSTER, B.SC., PH.D., A.I.C.T.A.
Deputy Director: J. W. BLENCOWE, B.SC., PH.D.
Secretary: J. C. REEVES, F.C.C.S.
Experimental Station (Manager): R. F. HARLEY, M.C., F.I.S.P.

HEADS OF DIVISIONS:

Botanical: C. W. BROOKSON, B.SC.
Chemical: W. G. WREN, B.SC., A.R.C.S., D.I.C., A.I.R.I.
Pathological: A. NEWSAM, PH.D.
Soils: G. A. WATSON, M.SC., PH.D., A.R.C.S., D.I.C., A.R.I.C.
Smallholders: J. M. F. GREENWOOD, B.SC.(AGRIC.).
Estates: F. W. HUTCHISON, N.D.A., C.D.A.
Statistics: D. R. WESTGARTH, M.SC.

Publications: *Journal of the R.R.I., Planters' Bulletin, Annual Reports, Planting Manuals.*

Society of Architects: P.O. Box 855, Kuala Lumpur; Pres. A. A. GEERAERTR.

University of Malaya Tamil Language Society: c/o Department of Indian Studies, University of Malaya, Kuala Lumpur; f. 1957; 70 mems.; aims at the promotion and propagation of the Tamil language; Pres. RAMA SUBBIAH; Sen.-Sec. R. SHANKARAN.

U.S. Information Center: 10 Market Street, Kuala Lumpur; br. at Penang.

LIBRARIES

British Council Library: P.O. Box 539, Jalan Bluff, Kuala Lumpur; 30,000 vols.

Carnegie Free Library: Jalan Doctor, Kota Bharu, Kelantan, Malaya; f. 1938; Librarian The Chief Education Officer, Kelantan; Hon. Treas. CHE ABDUL AZIZ BIN IDRIS; 1,936 vols.

Department of Agriculture Library: Kuala Lumpur; 56,000 vols.

Ipoh Library: 3 Club Road, Ipoh, Perak, Malaya.

Kuala Lumpur Book Club: Kuala Lumpur; 100,000 vols., by subscription.

Library of University of Malaya: Pantai Valley, Kuala Lumpur; f. 1959; 75,000 vols., of which 52,000 are in Western languages.

Malacca Library (Kutub Khanan Melaka): Malacca, 11,568 vols.

Penang Library: Farquhar Street, Penang, Malaya; f. 1817; 33,000 vols.; Chair. D. S. RAMANATHAN; Acting Librarian Miss B. C. LIM; Hon. Treas. Dr. CHEAH CHENG POH.

MUSEUMS

National Museum of Malaya (Muzium Negara): Damansara Road, Kuala Lumpur: A National Museum has been built on the site of the Selangor Museum which was destroyed in 1945; collections of ethnographical, archaeological and zoological materials; comprehensive reference library on Malaya and many Asian subjects; reference collections of archaeology, zoology and ethnography are also preserved in the Perak Museum, Taiping, which was built between 1886 and 1899; Dir. of Museums JOHN LOWRY.

Perak Museum: Taiping, Perak; f. 1883; antiquities, Perak archives, ethnography, zoology and a library; Curator (Vacant); Dir. HAJI MUBIN SHEPPARD, P.P.T., C.M.G., M.B.E., E.D., B.A.

UNIVERSITY AND COLLEGES

UNIVERSITY OF MALAYA

PANTAI VALLEY, KUALA LUMPUR

Telephone: 89361

Telegraphic Address: Univsel

Founded 1959

Chancellor: TUNKU ABDUL RAHMAN, C.H., B.A., K.O.M.
Pro-Chancellor: (Vacant).
Vice-Chancellor: Prof. DATO Sir A. OPPENHEIM, O.B.E., M.A., PH.D., D.SC., F.R.S.E.
Chairman of the Council: TUAN Dr. HAJI MUSTAPHA AL BAKRI.
Registrar: FOO YEOW YOKE, DIP. ARTS.
Bursar: WONG PAK CHOY, A.M.N.
Librarian: BEDA LIM, B.A., A.L.A. (Acting).

Number of students: 1,736.

DEANS:

Faculty of Arts: Dr. WANG GUNGWU, M.A., PH.D.
Faculty of Science: Prof. R. L. HUANG, B.SC., D.PHIL., D.SC., F.R.I.C.
Faculty of Engineering: Prof. CHIN FUNG KEE, M.SC., DIP. ARTS.
Faculty of Agriculture: Prof. DATO Sir A. OPPENHEIM, O.B.E., M.A., PH.D., D.SC., F.R.S.E. (Acting).
Faculty of Medicine: Prof. T. J. DANARAJ, L.M.S., M.D., M.R.C.P., F.R.C.P.

PROFESSORS:

ALISJAHBANA, S. T. (Malay Studies).
CHIN FUNG KEE, M.SC., DIP.ARTS, A.M.I.STRUST.E., A.M.I.C.E.I. A.M.I.C.E., M.I.E. (Engineering).
DANARAJ, T. J., L.M.S., M.D., M.R.C.P., F.R.C.P. (Medicine).
ELIEZER, C. J., M.A., PH.D., D.SC. (Mathematics).
FRANKE, WOLFGANG, D.PHIL. (Chinese Studies).
HO, ROBERT, M.A., DIP.ARTS, R.C. (Geography).
HUANG, R. L., B.SC., PH.D., D.SC., F.R.I.C. (Chemistry).
LEONG PENG CHONG, DIP.SC., PH.D., F.R.I.C. (Biochemistry).
LE PAGE, R. B., B.A., PH.D. (English).
MUHAMMAD ABDUL RAUF, AL-ALIYAH, B.A., DIP.ED. (Islamic Studies).
PALLIE, WAZIR, M.B.B.S., D.PHIL., F.R.C.S. (Anatomy).
POORE, M. E. D., M.A., PH.D. (Botany).
THANI NAYAGAM, X. S., M.A., M.LITT. (Annam), D.D. (Rome), PH.D. (Lond.) (Indian Studies).
THONG SAW PAK, DIP.SC., R.C., B.SC., PH.D. (Physics).
UNGKU ABDUL AZIZ, B.A. (Economics).

COLLEGE OF AGRICULTURE

SERDANG, SELANGOR

Founded 1931

Principal: G. I. M. MARTIN, B.SC.(AGRIC.), S.D.D.H., DIP. AGRIC. (Cantab.), D.T.A. (Trin.).

Teaching staff of 8 senior lecturers, 2 assistant lecturers, 4 agricultural assistants, 3 junior agricultural assistants.

Course: 3 years, annual intake of students: 120, Medium of Instruction: English.

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CO-OPERATIVE COLLEGE OF MALAYA

PETALING, JAYA

Founded 1956.

Principal: Inche Abdul Majid Bin Haji Mohammad.

Number of students 51.

FEDERAL TECHNICAL COLLEGE

KUALA LUMPUR, SELANGOR

Founded 1954

The College is under the Ministry of Education, Federation of Malaysia. It offers training at two levels in civil, electrical and mechanical engineering, land surveying, quantity surveying and architecture; facilities exist for the training of 750 full-time day students. Minimum qualification for admission to the College is Cambridge overseas School Certificate, Division II; the duration of training is three or four years.

Principal: N. A. K. Nair, j.m.n., b.a., a.m.i.e.e.

THE LANGUAGE INSTITUTE
(Maktab Perguruan Bahasa)

PANTAI VALLEY, KUALA LUMPUR

Founded 1958.

Number of students: 428 men, 96 women, total 524.

The College offers a two-year course to train teachers in the national language.

MUSLIM COLLEGE

KLANG, SELANGOR

Principal: Dr. Abdul Rauf.

SULTAN IDRIS TRAINING COLLEGE

TANJONG MALIM, PERAK

Founded 1922 by the amalgamation of two older colleges, the Malacca Training College and the Matang Training College.

Principal: Mohd. Zain Bin Abd. Rashid.

Senior Lecturer: Baharuddin Bin Marji.

Librarian: Mohd. Sharif Bin Idrus.

The library contains 4,000 vols.

Number of instructors: 19.

Number of students: 297 men.

Publication: *Chendera Mata*, a Malay magazine published annually.

SABAH (NORTH BORNEO)

LEARNED SOCIETY AND LIBRARY

British Council, The: Gaya Street, P.O. Box 746, Jesselton; Rep. R. B. Lodge.

Jesselton Library: c/o Office of Broadcasting and Information, Jesselton; 12,000 vols. at public libraries in main towns; Dir. R. J. Brooks.

COLLEGE

Kent College: 2- and 3-year teacher training courses.

SARAWAK

LEARNED SOCIETY

British Council, The: Rock Road, Kuching; Rep. H. R. Crooke.

LIBRARY AND MUSEUM

Central Library: Kuching; administered by the Education Dept.; 40,000 vols. in English, Malay and Chinese; Librarian Lucien B. D. de Silva, a.l.a.

Sarawak Museum: Kuching; f. 1886; anthropological and ethnological collections; reference library; State archives; Curator and Government Ethnologist Tom Harrison; publ. *Sarawak Museum Journal.*

COLLEGES

Batu Lintang Training College: Kuching; f. 1948; teachers' training college; up to 350 men and women students.

Methodist Theological School: Sibu.

Sarawak Teacher Training College: Sibu; f. 1957; for teachers in Chinese schools; up to 100 students, men and women.

School of Agriculture: Batu Lintang, Kuching; 12 months' courses in basic agriculture and home science.

Extension Training Centre: Tarat; 6-months' course for students completing courses at the School of Agriculture.

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SINGAPORE

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: 1A Orchard Road, Singapore 9; Rep. D. HARDWICK, M.B.E.

China Society, The: Singapore; organises art instruction and exhibitions; section devoted to the composition and reading of poetry in the classical style; section for stringed music.

Association of Engineers: 11 Raffles Quay, Singapore.

Indian Fine Arts Society: P.O. Box 2812, Singapore; Pres. A. M. CHERIAN, M.B.E.; Hon. Sec. S. S. SARMA.

Library Association of Singapore: c/o University of Singapore, Chuny Road, Singapore 10; publ. *Librarians Journal* (twice annually).

Lembaga Gerakan Pelajaran Dewasa (*Adult Education Board*): Canning Rose, Singapore 6.

Royal Asiatic Society, Malayan Branch: National Museum, Stamford Road; Pres. TUN ABDUL RAZAK BIN DATO HUSSAIN; publ. *Journal.*

Singapore Institute of Architects, The: G.P.O. Box 2723, Singapore.

Tagore Society: P.O. Box 281, Singapore; drama and lectures; Pres. Dr. LIN WO CHIANG; Hon. Sec. D. MURUGAN; Hon. Treas. K. SOMAN.

U.S. Cultural Centre: 30 Hiu Street, Singapore 6; lectures, exhibits, film shows, library.

LIBRARIES

National Library: Singapore; f. 1844; formerly known as Raffles Library and Raffles National Library; a department of the Government of Singapore providing reference and lending library facilities for the State; approx. 170,000 vols., mainly in English; growing collections of Chinese, Malay and Tamil books; contains the Government Archives and is the official repository for publications received under the Printers and Publishers Ordinance; comprises four branch libraries (in addition to the main library) and a mobile library for children in rural areas; a new central library was opened in 1960; Dir. Mrs. HEDWIG ANUAR, B.A., F.L.A.

University of Singapore Library: Bukit Timah Road, Singapore 10; 300,000 vols., including medical library 50,000 vols., and Chinese library of 120,000 vols.; Librarian JEAN M. WALLER, M.A., A.L.A.

MUSEUMS

Art Museum and Exhibition Gallery: University of Malaya, Singapore; f. 1955; oriental works of art, including Siamese bronzes and ceramics, Chinese painting, glazed pottery and export porcelain, contemporary Malayan painting and Malay sarongs, examples of Indian and Khmer sculpture, and facsimiles of Western sculpture; Curator (Vacant).

National Museum: Singapore; formerly Raffles Museum; f. 1848; anthropology, archæology, and zoology of Malaysia; the Malayan branch of the Royal Asiatic Society is housed in the museum; reference and exhibition collections; Curator of Zoology ERIC R. ALFRED; Curator of Anthropology HOOI LIANG YIN; publs. *Memoirs of the National Museum* (Anthropology, History and Prehistory), *Bulletin of the National Museum* (Zoology), *Malayan Museums' Pamphlets.*

UNIVERSITIES AND COLLEGES

UNIVERSITY OF SINGAPORE

SINGAPORE 10
Telephone: Singapore 50451

Founded 1962

(Formerly Raffles College and King Edward VII College of Medicine and the University of Malaya in Singapore)

Chancellor: Dato Dr. LEE KONG CHIAN, S.P.M.J., S.K.M.K., LL.D., J.P.
Vice-Chancellor: Dr. B. R. SREENIVASAN, L.M.S., M.R.C.P., HON. LL.D.
Deputy Vice-Chancellor: Prof. LIM TAY BOH, M.A., PH.D., DIP.ARTS.
Chairman of Council: Dr. TAY TECK ENG, L.D.S., HON. LL.D.
Registrar: H. D. LEWIS, DIP.ARTS.
Bursar: R. QUAHE, B.COM., A.A.C.C.A.

Number of students: 2,433.

DEANS:

Faculty of Arts: E. DE CHICKERA, B.A., B.LITT.
Faculty of Law: B. L. CHUA, M.A., LL.B.
Faculty of Science: H. B. GILLILAND, D.SC., F.L.S., M.I.BIOL.
Faculty of Medicine: Prof. K. SHANMUGARATNAM.

PROFESSORS:

Faculty of Arts:
ENRIGHT, D. J., M.A. D.LITT. (English).
LIM, T. B., M.A., PH.D., DIP. ART (Economics).
MILNE, R. S., B.A., B.A., M.S., (Political Science).
TREGONNING, F. G., B.A., B.LITT., PH.D. (History).
WIKKRAMATILEKE, W. A. R., M.A., PH.D. (Geography).

Faculty of Law:
GREEN, L. C., LL.B. (International Law).
GROVES, H. E., A.B., J.D., LL.M. (Constitutional Law).

Faculty of Science:
DIANADA, P. H., B.SC., M.A., PH.D. (Mathematics).
GATHA, K. M., B.SC., M.S., PH.D., (Physics).
GILLILAND, H. B., D.SC., F.L.S., M.I.BIOL. (Botany).
HARRISON, J. L., D.SC. (Zoology).
KIANG AI KIM, B.SC., PH.D., DIP.SC., F.R.I.C. (Chemistry).

Faculty of Medicine:
DANARAJ, Mrs. W., L.M.S., M.P.H., D.C.H. (Social Medicine and Public Health).
DESOWITZ, R. S., B.A., PH.D., D.SC., (Parasitology).
DIXON, T. F., B.SC., PH.D., F.R.I.C. (Biochemistry).
ELLIOTT, T. H., B.SC., PH.D., F.P.S., D.B.A., F.R.I.C. (Pharmaceutics).
GUNN, D. R., M.B., CH.B., M.CH.ORTH., F.R.C.S.ED. (Orthopædic Surgery).
JANSEN, J. A., L.D.S., M.SC.D. (Prosthetic Dentistry).
KANAGASINTHERAM, R., M.B.B.S., PH.D., F.Z.S. (Anatomy).
KENNY, R. A., B.SC., PH.D. (Physiology).
LIM KOK ANN, M.A., CH.B., DIP.BOAT. (Bacteriology).
LIN, R.C.Y., B.SC., PH.D. (Pharmacology).
MONTEIRO, E. S., C.B.E., M.D., D.C.H., F.R.C.P., F.R.F.P.S. (Clinical Medicine).
OEHLERS, F. A. C., L.D.S., F.D.S., R.C.S. (Oral Surgery).
RANSOME, G. A., F.R.C.P., M.R.C.S. (Medicine).
SHANMUGARATNAM, K., M.D., D.C.P., PH.D. (Pathology).
TICKLE, R. J. S., D.D.S., L.D.S., R.C.D.S., M.SC.(DENT), (Dental Surgery).
TINCKLER, L. F., M.B., CH.M., F.R.C.S., L.R.C.P., P.T.M.M. and H. (Surgery).
WONG, H. B., M.B., B.S., M.R.C.P.ED., F.R.F.P.S., D.C.H. (Pædiatrics).

School of Education: T. L. GREEN, B.SC., M.A.

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NANYANG UNIVERSITY

JURONG ROAD, SINGAPORE 22
Telephone: 67011

Founded 1953

The University was founded with the aim of furthering higher education in Malaya and developing a new Malayan culture based upon the existing racial cultures.

Vice-Chancellor: Dr. CHUANG CHU-LIN.
Registrar: Prof. JACEN T. HSIEH, LL.B., B.LITT.
Librarian: CHENG YE-TUNG.

Number of teachers: 139.
Number of students: 1,760 men, 564 women, total 2,324.

Publications: *Annual Report, Bulletin of the Institute of South-East Asia, Bulletin of Chinese Language and Literature, Bulletin of the Mathematics Society, Journal of the History and Geography Society, University Youth, Suloh Nantah, The Commerce, The University Calendar, Popular Science, The Repository.*

DEANS:

Faculty of Arts: Dr. Y. C. YEN, B.A., M.ED., PH.D.
Faculty of Science: Dr. LI KOUE-TCHANG, D.SC.
Faculty of Commerce: Prof. LIU KUNG-KWEI, B.COM., M.A.

PROFESSORS:

Faculty of Arts:
CHI-HSUN, HSUEH (Climatology).
CHIK-PENG, CHEN (Chinese Prehistory).
HSIANG-LIN, LI (Political Science).
LI-PU, FU (Chinese Literary Criticism).
MONTRI, AMORN (English).
PAO-CHUN, TSOU (Geography).
PING-HOU, LIU (Local Government and Political History).
SHIH-CHUN, HO (General Chinese History).
TEH-CHAO, WANG (History).
TIEN-FAN, CHEN (Chinese Classics).
TSU-YUEH, CHENG (Geography).
WO-CHIANG, LIM (International Law and History of Political Thought).
YEN, Y. C. (Education).
YING-JUNG, HUANG (Law).
YU-WEI, JAO (English).

Faculty of Science:
CHUIN-CHE, HSIA (Mathematics).
DALGEN, CHIN (Organic Chemistry).
FU, PU (Differential Equations).
HARRISON, J. L. (Organic Evolution).
HUANG, HENRY K. H. (Genetics).
JUNG-LU, CHIN (Mathematics).
KOUE-TCHANG, LI (Anatomy).
LIANG-KUNG, LI (Plant Anatomy, Physiology and Ecology).
SHIN-PIAW, CHOONG (Optics).
WANG, Y.-H.-M. (Physical Chemistry).
YI-SAN, WANG (Physical Chemistry).
YUNG-SUI, HSU (Industrial Chemistry).

Faculty of Commerce:
CHI-TUNG, TSENG (Finance).
DING-CHOU, TING (Accounting).
HSIEH, J. T. (Economic Problems of S.E. Asia).
KUNG-KWEI, LIU (Economics).
KUO, R. K. Y. (Banking).
LIU, WALLACE H. H. (Public Finance).
PAQUAN S., HSU (Marketing).
REMER, CHARLES F. (Foreign Trade).
SHEN, DAVID Z. (Finance).
SHU-JEN, Y. (Comparative Economic Systems).
VOON-KAI, FOO (Law & Commerce).
YU-CHUN, WANG (Accounting).

THE SINGAPORE POLYTECHNIC

P.O. BOX 2023, SINGAPORE, 2

Founded 1958.

There are departments of engineering, architecture and building, accountancy and nautical studies. The Polytechnic is a multi-level institution and conducts courses at Professional, Technical and Craft levels for its own Diplomas, with external examiners for its final examinations.

Chairman: Dr. TOH CHIN CHYE.
Principal: C. I. C. SCOLLAY, B.SC., B.E.(Hons.), A.M.I.E.E., A.M.(BRIT), I.R.E., A.M.N.Z.I.E., E.D.

Number of teachers: 78 full-time.
Number of students: 1,176 full-time, 1,561 part-time.

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MEXICO

Population 36,091,006

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Mexico City

ACADEMIES

Academia Mexicana de la Lengua (*Mexican Academy of Languages*): Donceles 66, Mexico 1, D.F.; 3rd in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.

Director: Dr. Francisco Monterde.
Secretary: José Ignacio Dávila Garibi.
Censor: Dr. Angel María Garibay K.
Treasurer: Dr. Luis Garrido.

Members:

Manuel Romero de Terreros.
Nemesio García Naranjo.
Alfonso Junco.
Martín Luis Guzmán.
Julio Torri.
Antonio Castro Leal.
Jaime Torres Bodet.
Francisco J. Santamaría.
José María González de Mendoza.
Isidro Fabela.
Miguel Alemán.
Agustín Yáñez.
Carlos Pellicer.
Salvador Novo.
Francisco González Guerrero.
José Gorostiza.
Daniel Huacuja.
Antonio Gómez Robledo.
Manuel González Montesinos.
Jesús Guisa y Azevedo.
Jesús Silva Herzog.
Octaviano Valdes.
Mauricio Magdaleno.
Celestino Gorostiza.
José Luis Martínez.
Francisco Fernández del Castillo
José Rojas Garciduenas
Manuel Alcala Anaya.
Miguel Leon-Portilla
Ermilo Abreu Gomez (*elected*).
Rubén Bonifaz Nuño (*elected*).

Academia Mexicana de la Historia, correspondiente de la Real de Madrid (*Mexican Academy of History*): Plaza de Carlos Pacheco 21; publ. *Memoria de la Academia* (annual, 1942-).

Academia Mexicana de Jurisprudencia y Legislación (*Mexican Academy of Jurisprudence and Legislation*): 5 de Mayo No. 32, Desp. 406; f. 1889.

Academia Nacional de Ciencias (formerly **Sociedad Científica "Antonio Alzate"**) (*National Academy of Science*): Justo Sierra 19; f. 1884; library of 120,000 vols.; 60 mems.; Pres. Dr. Nabor Carrillo Flores; Perm. Sec. Dr. Antonio Pompa y Pompa; publs. *Revista Memorias*.

Academia Nacional de Historia y Geografía (*National Academy of History and Geography*): Apdo. 1798; f. 1925; 179 mems.; Pres. Enrique E. Schulz; Jec. Luis Rubio Siliceo.

Academia Nacional de Medicina de México (*Mexican National Academy of Medicine*): Avenida República de Venezuela 4, Apdo. 8075; f. 1864; 38 sections; 240 mems. (30 hon., 136 ord., 17 tit., 46 corresp.); Pres. Dr. Efrén C. del Pozo; Vice-Pres. Dr. Ismael Cosio Villegas; Sec.-Gen. Dr. Oswaldo Arias; publs. *Gaceta Médica de México*.

Anuarios de Filosofía y Letras (*Philosophical and Literary Annuals*): Faculty of Philosophy and Letters, National Autonomous University of Mexico, Ciudad Universitaria, Mexico 20, D.F.; the organisation has seven sections: Philosophy, Letters, History, Psychology, Geography, Pedagogy, Library Science.

Asociación de Ingenieros y Arquitectos de México (*Association of Mexican Engineers and Architects*): 3a Calle del Puente de Alvarado 58; f. 1868; Pres. Ing. Agustin Deneymet; Sec. Ing. Jose Acosta Sanchez.

Asociación Médica Franco-Mexicana (*Franco-Mexican Medical Association*): Calle de Nazas 43; f. 1928; 400 mems.; Pres. Dr. Manuel Martínez Báez; Vice-Pres. Dr. Raúl Fournier; Sec. Dr. Pablo Steimle; publ. *Pasteur* (quarterly).

Asociación Mexicana de Geologos Petroleros (*Mexican Association of Petroleum Geologists*): Tacuba No. 5; f. 1949; 504 mems.; Pres. Carlos Castillo Tejero; Vice-Pres. Alejandro Calderon Garcia; Sec.-Treas. Enrique del Valle Toledo; publ. *Boletín* (bi-monthly), Editor Manuel Maldonado-Koerdell.

Ateneo Nacional de Ciencias y Artes de Mexico (*National Athenæum of Sciences and Arts*): Bucareli 12; f. 1920 as Ateneo Estudiantil de Ciencias y Artes, then Ateneo de Ciencias y Artes de México 1926, present name 1934; comprises Sections of Architecture, Astronomy and Mathematics, Biology, Broadcasting, Cinematography, Criminology and Penal Law, Engineering, Eugenics, Geography, History, Hygiene, Law (Civil, Industrial, and International), Literature, Medicine, Military Studies, Music, Pedagogics, Political Economy, Natural Science, Statistics; 7 corresp. centres: Monterrey, Mérida, Veracruz, Chiapas, Tijuana, Oaxaca, Tlaxcala; library of 10,000 vols.; over 1,000 mems., including hon. and corresponding; Hon. Pres. Dr. Alfonso Pruneda; Pres. Emilio Portes Gil; Vice-Pres. Luis Garrido and Arq. Edmundo Zamudio; Sec.-Gen. José L. Cossio; publs. *Boletín*, pamphlets.

Barra Mexicana-Colegio de Abogados (*Mexican Bar Association—College of Advocates*): Varsovia No. 1, Esq. de la Reforma, México 6, D.F.; f. 1923; 580 mems.; library of 2,800 vols.; Pres. Dr. Roberto Molina Pasquel; Sec. Lic. Miguel de la Madrid Hurtado; publ. *El Foro* (quarterly review).

British Council: Calle M. Antonio Caso 127, Mexico 4, D.F.; Rep. E. R. H. Paget, O.B.E.

Dirección General de Asuntos Internacionales de Educación (*Board of International Education Affairs*): Edificio de la Secretaría de Educación Pública, Avda. República Argentina and Luis González Obregón; f. 1931; com-

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prises Sections of Technical Assistance, International Relations in the fields of Education, Science and Culture and Exchange; serves as co-ordinating agency between the UN, UNESCO, the OAS and the Mexican Govt.; Dir. Dr. LUIS WECKMAN.

Dirección de Geografia y Meteorológia: Oficina de Geografia, Avda. Observatorio 192, Tacubaya, Mexico.

Dirección Nacional de Estadística (*Statistics Office of the Secretaría de Economía*): Venezuela 3; f. 1922.

Institut Français d'Amérique Latine: Calle del Nazas 43, Mexico City; Dir. E. CHEVALIER.

Instituto Anglo-Mexicano de Cultura (*Anglo-Mexican Cultural Institute*): Calle M. Antonio Caso 127, Mexico 4, D.F.; f. 1943; library of 14,500 vols.; 202 mems.; Pres. JOSEPH A. W. TURNER.

Instituto Bibliografico Mexicana: c/o Biblioteca Nacional, República del Salvador 70.

Instituto de Biología (*Institute of Biology*): Ciudad Universitaria, Mexico 20, D.F.; f. 1929; is an Institute of the University of Mexico; Depts. of Botany, Biochemistry, Zoology, Comparative Histology and Embryology; National Herbarium attached to the Department of Botany; general library of 40,000 vols.; botanical library of 3,400 vols.; Dir. Dr. ROBERTO LLAMAS; Librarian ANTONIO BAUTISTA CARRILLO; publ. *Anales* (twice yearly).

Instituto de Estudios Médicos y Biológicos (*Institute of Medical and Biological Research*): Apdo. Postal 25228, Ciudad Universitaria, Mexico 20, D.F.; f. 1942; Dir. Prof. I. GONZÁLEZ GUZMÁN; publ. *Boletín*.

Instituto de Geologia (*Geological Institute*): Ciudad Universitaria, Mexico 20, D.F.; f. 1891; Dir. Ing. GUILLERMO P. SALAS; publs. *Anales, Bolletines, Paleontologia Mexicana*.

Instituto de Matemáticas (*Institute of Mathematics*): Torre de Ciencias, Ciudad Universitaria, México, D.F.; f. 1942; 18 mems.; research in mathematics; Dir. Dr. ALFONSO NÁPOLES GÁNDARA.

Instituto Indigenista Interamericano: Niños Héroes 139, Mexico 7, D.F.; f. 1949; supplies medical, educational and economic help for the Indian tribes; Dir. of Chiapas centre Prof. ALFONSO VILLA ROJAS.

Instituto Mexicano-Norte Americano de Relaciones Culturales (*Mexican-N. American Institute of Cultural Relations*): Hamburgo 115, Mexico 6, D.F.

Instituto Nacional de Antropologia e Historia (*National Institute of Anthropology and History*): Cordoba 45, Mexico 7, D.F.; f. 1850; Dir. EUSEBIO DAVALOS HURTADO; Sub-Dirs. DON JORGE ENCISO and Dr. IGNACIO BERNAL; Sec. Lic. JORGE GURRÍA LACROIX; consists of the following Depts.: Pre-conquest Monuments (*Monumentos Prehispánicos*) Arqueol. ROMÁN PIÑA CHAN; Colonial Monuments (*Monumentos Coloniales*) Arq. JOSÉ GORBEA TRUEBA; Museum of Anthropology (*Museo de Antropología*) Antrop. ARTURO ROMANO PACHECO; National Museum of History (*Museo Nacional de História*) Lic. ANTONIO ARRIAGA; Regional Museums (*Museos Regionales*) Sra. CARMEN CARRILLO DE ANTÚNEZ; Anthropological Investigations (*Investigaciones Antropologicas*) Prof. JAVIER ROMERO; Historical Investigations (*Investigaciones Históricas*) Prof. WIGBERTO JIMENEZ MORENO; School of Anthropology (*Escuela de Antropología*) Dir. Dr. PABLO MARTINEZ DEL RÍO; Archives and Libraries (*Archivos y Bibliotecas*) Dir. Dr. ANTONIO POMPA Y POMPA; library of 180,000 vols.; Publications (*Publicaciones*) Lic. JORGE GURRÍA LACROIZ; Cultural Information (*Difusion Cultural*) JOAQUIN CORTINA GORÍBAR; publ. *Anales*; for other publications *see under* respective museums and Escuela Nacional de Antropologia.

Instituto Nacional de Bellas Artes y Letras (*National Institute of Fine Arts and Letters*): Palacio de Bellas Artes; f. 1947; consists of depts. of music, plastic arts, drama and literature dance, theatrical production, architecture and administration; Dir. ANDRÉS IDUARTE; publ. *México en el Arte* (quarterly).

Instituto Nacional de Cardiología (*National Cardiological Institute*): Av. Cuauhtemoc 300; f. 1944; 191 medical mems; library of 2,605 medical vols. and 6,986 vols. of medical journals formed by 74,814 issues; Dir. Dr. SALVADOR ACEVES; Medical Sub. Dir. Dr. ANTONIO ESTANDÍA CANO; publ. *Archivos del Instituto de Cardiologia de México* (6 vols. per year).

Instituto Nacional de Higiene (*National Institute of Hygiene*): Czda. Mariano Escobedo 20, Mexico 17, D.F.; f. 1904; Dir. ANGEL DE LA GARZA BRITO, M.D., C.P.H.

Istituto Italiano di Cultura: Calle di Varsavin, 22-bis, Mexico City; Dir. Prof. GIORGIO VALLI.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Ap. Postal 25264, Mexico 20, D.F.; f. 1878; an Institute of the Autonomous National University of Mexico; Dir. Dr. GUILLERMO HARO; publ. *Boletín de los Observatorios de Tonantzintla y Tacubaya* (three times yearly).

Sociedad Astronómica de México (*Mexican Astronomical Society*): Jardin Felipe Xicotencatl Colonia Alamos 6, A.P. 9647, Mexico 1, D.F.; f. 1902; library of 5,000 vols.; Pres. OCTAVIO R. SANDOVAL; publ. *Boletín*.

Sociedad Botánica de México (*Botanical Society*): Sánchez Azcona 446, Mexico 12, D.F.; f. 1941; 130 mems.; Pres. Ing. EFRAÍN HERNÁNDEZ; Sec. Biól. GASTÓN GUZMÁN; publ. *Boletín* (occasional).

Sociedad de Arquitectos Mexicanos (*Society of Mexican Architects*): Av. Veracruz 24, Mexico 7, D.F.

Sociedad de Educación (*Educational Society*): Edif. del Banco de Londres y México, Desp. 7/8.

Sociedad de Estudios Biológicos (*Society for Biological Research*): Balderas 94; Sec. Prof. AURELIO DEL RÍO.

Sociedad de Estudios Históricos de la Ciudad de México (*City of Mexico Society for Historical Research*): Avenida Uruguay 58; Pres. MIGUEL S. MACEDO.

Sociedad de Oftalmología del Hospital Oftalmológico de "Nuestra Señora dela Luz" (*Ophthalmological Society of the Ophthalmological Hospital*): Escuela de Medicina, Ezequiel Montes 135; f. 1893; Dir. Dr. ENRIQUE GRAUE; publ. *Boletin* (quarterly).

Sociedad Forestal Mexicana (*Mexican Forestry Society*): Calle de Jesús Terán 11; f. 1921; Pres. Ing. JULIO RIQUELME INDA; 1st Sec. FRANCISCO OROZCO JIMÉNEZ; 75 mems.; publ. *México Forestal* (quarterly).

Sociedad Geológica Mexicana (*Mexican Geological Society*): Tacuba No. 5, Apdo. Postal 21040; f. 1904; 327 mems. in all; Pres. CARLOS CASTILLO TEJERO; Vice-Pres. ALBERTO J. TERRONES; Sec. MARIANO RUIZ VAZQUEZ; publ. *Boletín*.

Sociedad Matemática Mexicana (*Mexican Mathematical Society*): Tacuba 5, Mexico 1, D.F.; f. 1943; 250 mems.; 5 hon.; sponsors National Congresses and Regional Assemblies of mathematicians; Pres. Dr. EMILIO LLUIS; publ. *Boletín* (twice yearly).

Sociedad Mexicana de Antropológia (*Mexican Anthropological Society*): Córdora 45; f. 1937; 165 mems.; Perm. Secs. Dr. IGNACIO BERNAL and Dr. CESAR LIZARDI;

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publ. *Revista Mexicana de Estudios Antropológicos* (annually).

Sociedad Mexicana de Bibliografía (*Mexican Bibliographical Society*): Hemeroteca Nacional, Carmen y San Ildefonso; f. 1945; 91 mems., 39 corresponding mems.; Dir. Dr. AGUSTÍN MILLARES CARLO; Sec. FRANCISCO GAMONEDA; publ. *Boletín* (quarterly).

Sociedad Mexicana de Biología (*Mexican Biological Society*): Avenida de Brasil; f. 1921; Pres. FERNANDO OCARANZA; publ. *Revista Mexicana de Biología.*

Sociedad Mexicana de Estudios Psico-Pedagógicos (*Mexican Society for Psycho-Pedagogical Research*): Nayarit 86.

Sociedad Mexicana de Eugenesia (*Mexican Society of Eugenics*): 3A Acapulco 44; f. 1931; 160 mems.; Pres. Dr. JORGE MENSES HOYOS; Sec. Dr. ALFREDO M. SAAVEDRA; library of 2,760 vols.; publ. *Revista de Eugenesia* (monthly).

Sociedad Mexicana de Geografía y Estadística (*Mexican Society of Geography and Statistics*): Calle de Justo Sierra 19, Apdo. 10739; f. 1833; 525 active mems.; 450 corresponding mems.; library of 80,000 vols., publs. *Boletín* (twice yearly), and special works.

Sociedad Mexicana de Historia Natural (*Mexican Natural History Society*): Ramón Guzmán 125.

Sociedad Mexicana de Pediatría (*Mexican Pædiatrics Society*): Centro Materno-Infantil "Gral. M. Avila Camacho", Calzada de Madereros 240; f. 1954; 257 mems.; Pres. Dr. IGNACIO AVILA CISNEROS; Dir. Dr. ROGELIO H. VALENZUELA; publ. *Revista* (monthly).

Sociedad Mexicana de Tisiología (*Mexican Phthisiological Society*): Avda. Coyoacán 1707, Mexico 12, D.F.; f. 1932; 30 mems.; Sec. Dr. JOSÉ MONROY VELASCO.

U.S. Information Centers: Calle Niza 53, Mexico 6, D.F.; brs. at Guadalajara, Monterrey, Puebla and Mazatlán.

Monterrey

Academia de Ciencias Históricas de Monterrey (*Academy of Historical Sciences of Monterrey*): Apdo. 389, Nuevo León; f. 1947; Pres. CARLOS PÉREZ-MALDONADO; Sec. JOSÉ P. SALDAÑA; publ. *Memorias.*

Sociedad Nuevoleonesa de História, Geografía y Estadística (*Historical, Geographical and Statistical Society of Nuevo León*): Biblioteca Universitaria "Alfonso Reyes", Apartado Postal 1575; f. 1942; 80 mems.; Pres. TIMOTEO L. HERNÁNDEZ; various publs.

Tacubaya, D.F.

Dirección de Geografía y Meteorología (*Geographical and Meteorological Dept.*): Av. Observatorio 192; f. 1915; library of 9,695 vols., 63,000 pamphlets; Dir. Ing. FEDERICO PEÑA AGUIRRE; the Department is divided into two sections: **Oficina de Geografía:** Dir. Ing. MANUEL MEDINA; publs. maps and pamphlets; and **Oficina de Meteorología:** which is subdivided into Oficina de Investigación Meteorológica; Dir. Prof. ALONSO CONTRERAS-ARIAS; publs. climatological and meteorological pamphlets; and Oficina de Operación Meteorológica; Dir. JOSÉ C. GÓMEZ; publs. *Boletín Mensual de Temperaturas y Lluvias* (monthly), daily weather map; *Boletín anual de observaciones meteorológicas.*

Instituto Panamericano de Geografía e Historia (*Pan-American Institute of Geography and History*): Exarzobispado 29; f. 1928; mems.: 22 American governments; library of approx. 55,000 vols. and periodicals collection of some 25,000; Pres. Gral. VICTOR H. J. HONSKING (Argentina); First Vice-Pres. Ing. ALFREDO OBIOLS (Guatemala); Second Vice-Pres. Col. EDUARDO HIDALGO FREIRE (Ecuador); Hon. Pres. Gral. RAMON CAÑAS MONTALVA (Chile); Sec.-Gen. Arq. IGNACIO MARQUINA; publs. (annually): *Boletín Bibliográfico de Antropología Americana, Revista Cartográfica, Revista de Folklore* (six-monthly), *Revista de Historia de América, Revista Geográfica, Boletín Bibliográfico de Geofísica y Oceanografía Americanas, Boletín del Comité de Archivos.*

Servicio Meteorológico Mexicano (*Mexican Meteorological Service*): *See above*, Dirección de Geografía y Meteorología.

Tepic, Nayarit

Departamento de Antropología e Historia de Nayarit: Avda. Mexico 91; f. 1946; Dir. EVERARDO PEÑA NAVARRO; Sec. MARÍA E. GONZÁLEZ A.

Tonantzintla, Puebla

Estación de Observación Astronómica: f. 1952; under the direction of the Observatorio Astronómico Nacional.

Tuxtla Gutiérrez

Ateneo de Ciencias y Artes de Chiapas: 3/a, Oriente 28; f. 1942; 76 mems.; Pres. Lic. ALBERTO MARÍN BARREIRO.

Vera Cruz

Ateneo Veracruzano (*Veracruz Athenæum*): Calle Zamora No. 73, altos; f. 1933; 58 mems. (10 hon.); Pres. C. P. T. FRANCISCO BROISSIN A.; publ. *Boletín* (monthly).

LIBRARIES

Asociación de Bibliotecarios Mexicanos: Calle de Graciela 174, Colonia Guadalupe Tepeyac, Mexico 14; f. 1924; 102 mems.; 900 vols. and booklets; Sec. FRANCISCO XAVIER ROJAS.

Bibliotecas Municipales (*Municipal Libraries*): the first libraries were founded in 1940, and wherever installed a Sociedad de Amigos de la Biblioteca (*Friends of the Library Assen.*) was created for the purpose of enlarging the scope of the service, extending cultural interest by the promotion of centres, amassing funds and books, and overseeing the loan department of the library. In 1955 the Federal District possessed 23 municipal libraries operating outside Mexico City.

Mexico City

Biblioteca Nacional de México (*National Library*): República del Salvador 70; housed in the old church of San Agustín, f. 1833, when the University was suppressed and its books, and funds were used to start a National Library. In 1869 the Library was provisionally opened to the public, and finally in 1884 began the service which has since functioned without interruption; is now one of the Institutes of the National University of Mexico; Dir. Dr. MANUEL ALCALÁ; Deputy-Dir. JOSÉ M. LUJÁN; Library Sec. DAVID N. ARCE.

This Library is considered one of the best in Latin America, as much for the number of volumes (approximately 500,000) as for the range and importance of the collections. There are also 150,000 printed documents relating to the political, social, artistic, literary and historical development of the country, and 111,953 MSS. of great interest.

Biblioteca del Archivo General de la Nación (*National Archives*): Palacio Nacional; documents relating to the Mexican-Cuban settlements, the Inquisition, and the political relationship of these two and other countries duplicated in each by exchange of copies in photostat or micro-film; Dir. Prof. J. IGNACIO RUBIO MAÑÉ; publ. *Boletín del Archivo General de la Nación* (quarterly).

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Government Libraries:

Biblioteca de Investigaciones Pecuarias de la Secretaría de Agricultura (*Stock Farming Library, Ministry of Agriculture*): Palo Alto; 6,000 vols.; Librarian Prof. CRISÓFORO VEGA SCHÍNZ.

Biblioteca de la Dirección General de Agricultura (*Library of the Agricultural Office*): Tacuba 11; 12,300 vols.

Biblioteca de la Secretaría de Salubridad y Assistencia (*Library of the Ministry of Public Health and Welfare*): f. 1884; 7,712 vols.; specialised medical collections.

Biblioteca de la Secretaría de Comunicaciones y Obras Públicas (*Library of the Ministry of Communications and Public Works*): Tacuba y Xicotecatl; f. 1891; 10,000 vols.

Biblioteca del Congreso de la Unión (*Congress Library*): Edificio del ex-Convento de Santa Clara, Tacuba 809; f. 1936 with the collections of the old library of the Chamber of Deputies; 48,742 vols., including *El Melopeo y Maestro* by Fedro Cerone, 1613, with marginal notes by Sor Juana Inés de la Cruz; Librarian Prof. FRANCISCO HERNÁNDEZ Y HERNÁNDEZ.

Biblioteca del Observatorio Astronómico Nacional Mexicano (*Library of the National Mexican Astronomical Observatory*): Ap. Postal 25264, Mexico 20, D.F.; 19,445 vols.; Librarian DOLORES GUTIÉRREZ.

Biblioteca de la Secretaría de Economía (*Library of the Ministry of Economy*): Av. Cuauhtemoc y Dr. Liceaga; f. 1918; 62,324 vols.; Dir. Liç MARÍA TERESA HERNÁNDEZ GONZALEZ; publs. include *Revista de Estadistica, Gaceta de Patentes y Marcas, Boletin de Minas y Petróleo* (monthly), *Barómetros Económicos* (quarterly), *Compendio Estadistico* (annual), *Anuario Estadistico, Anuario de Comercio Exterior, Censuses of Commerce, Agriculture and Population* (1950), *Mexico en Cifras, 1952*, etc.

Biblioteca de la Secretaría de Educación Pública (*Library of the Ministry of Public Instruction*): f. 1923; 14,000 vols.

Biblioteca de la Secretaría de Gobernación (*Library of the Ministry of Government*): f. 1917; 15,000 vols.

Biblioteca de Derecho y Legislación de la Secretaría de Hacienda (*Law Library, Finance Ministry*): Correo Mayor 31; f. 1925, present form 1928; 13,000 vols.; specialised library relating to ancient and existing federal laws, tax laws from 1831, foreign and international laws; Librarian SOFÍA SILVA.

Biblioteca General de la Secretaría de Hacienda (*General Library, Finance Ministry*): Palacio Nacional, Mexico 1, D.F.; f. 1928; with the collections of the old library of the Finance Ministry; 112,000 vols.

Biblioteca de Historia de la Secretaría de Hacienda (*Historical Library, Finance Ministry*): Palacio Nacional; f. 1939 with the collections of the old library of the Finance Ministry and those of Genaro Estrada acquired by the Government; 8,750 vols., 14,000 pamphlets relating to Mexico.

Biblioteca de la Secretaría de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Juárez 109; f. 1821; 13,112 vols.; comprises a large Hemeroteca (periodicals), 14,000 vols. newspapers, periodicals and year-books; maps, charts, etc.

Biblioteca "Benjamin Franklin": Niza 53; f. 1942; 35,500 vols.; Americana with emphasis on technical collections; U.S. Information Service Library; Dir. MAUDA SANDVIG.

Biblioteca Central del Instituto Nacional de Antropología e Historia (*Library of the National Institute of Anthropology and History*): Moneda 13; f. 1850 as Library of the Instituto Nacional de Antropología e Historia de México (*see* page 746), and was housed in the old Museo Nacional de Antropología, Historia y Estadística until the collections were divided,, the sections of archæology, ethnography and anthropology only remaining; 150,000 vols.; Dir. Dr. ANTONIO POMPA Y POMPA.

Biblioteca de Ciencias Sociales (*Social Science Library*): Tacuba 11; f. 1925; 17,907 vols.

Biblioteca Ibero-Americana y de Bellas Artes (*Spanish-American and Fine Arts Library*): Palacio de Bellas Artes; f. 1923; over 20,000 vols.; also circulating; Dir. MARIO PAVÓN FLORES.

Biblioteca de la Escuela Superior de Ciencias Económicas, Politicas y Administrativas (*Library of Higher School of Economics, Politics, and Administration*): Emilio Dondé 1; f. 1869; 4,827 vols.

Biblioteca "Miguel de Cervantes Saavedra": Héroes y Esmeralda; f. 1924; 17,927 vols.

Biblioteca Pedagógica (*Pedagogical Library*): Argentina 12; f. 1923; 10,000 vols.

Hemeroteca Nacional de México (*National Library of Periodicals*): 31 Calle Carmen; f. 1912; 103,000 vols. of newspapers and periodicals; Mexican Gazette of 18th century; iconographical museum; Dir.-Librarian RAFAEL CARRASCO PUENTE.

Tacubaya

Biblioteca del Instituto Panamericano de Geografía e Historia (*Library of the Pan-American Institute of Geography and History*): f. 1928; approx. 50,000 vols.; 30,000 periodicals and 10,000 maps.

MUSEUMS

Mexico City

Galería Central de Arte Moderno (*Central Gallery of Modern Art*): Juárez 4, Edificio de la Nacional; original paintings by Diego Rivera, Tamayo and Siqueiros.

Galería de Pintura y Escultura de San Carlos (*Gallery of Painting and Sculpture of San Carlos*): Academia 22; exposition of European, primitive, and classical paintings.

Instituto Indigenista Interamiericano (*Indigenous Art Institute*): Niños Heroes 139; permanent exhibition of inter-American arts and crafts.

Museo de Arte Religioso (*Museum of Religious Art*): Guatemala 17; artistic treasures from the Mexican National Cathedral and other churches; gold objects dating back to the colonial era, and Mexican, European, and Asiatic paintings and sculptures.

Museo Nacional de Antropología (*National Museum of Anthropology*): Moneda 13; f. 1825; anthropological, ethnological, archæological and popular art collections relating to Mexico and the Americas; housed in the old Mint (Antigua Casa de la Moneda); first museum established in Mexico; some 500,000 exhibits; library of 200,000 vols.; Dir. ARTURO ROMANO PACHECO; publs. *Anales del Inah*, etc.

Museo Nacional de Artes e Industrias Populares: Juárez 44; f. 1951; Dir.-Gen. Dr. DANIEL F. RUBIN DE LA BORBOLLA.

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Museo Nacional de Artes Plásticas (*National Museum of Plastic Arts*): Fine Arts Palace, Avenida Juárez and San Juan de Letrán.

Museo Nacional de Historia (*National Historical Museum*): Castillo de Chapultepec; f. 1822, moved to Chapultepec Castle 1941, opened 1944; history of Mexico since the Spanish conquest; over 7,500 specimens of Mexican and European porcelain, ceramics, mosaics, jewellery and textiles, popular 19th-century paintings, ornamental wooden statues, religious art, and cultural history; Dir. Prof. WIGBERTO JIMÉNEZ MORENO; publ. *Série Científica*.

Museo de Flora y Fauna Nacional (*Museum of Mexican Flora and Fauna*): Avda. Reforma, Bosque de Chapultepec; f. 1937; Dir. ROBERTO BARRENA.

Museo de Historia Natural (*Natural History Museum*): Calle Primera del Chopo 10; f. 1915; affiliated to the Institute of Biology; 25,000 exhibits; Dir. M. EN C. LIBORIO MARTÍNEZ.

Recinto de Homenaje a Don Benito Juarez (*Juarez Hall*): National Palace; historic relics related to the life and death of Benito Juárez.

Actopán, Hgo.

Museo Regional de Actopán: f. 1933; collections relating to the Otomie Indians housed in the old convent of Actopán, one of the best preserved in Mexico.

Campeche, Camp.

Museo Arqueologico, Etnografico e Historico del Estado (*Archæological, Ethnographic and Historical Museum of the State of Campeche*): in the former Iglesia del Jesus; Dir.-Gen. of Museums, State of Campeche, Arq. RAUL PAVON ABREU.

Museo de Armas (*Arms Museum*): Castillo de San Carlos.

Carmen, Camp.

Museo Arqueologico (*Archæological Museum*).

Guadalajara, Jal.

Museo del Estado: f. 1700 as a seminary: collections of early Mexican objects; folk art and costumes; archæological discoveries.

Museo Regional de Antropología e Historia: f. 1918; special collections of pre-Spanish and Colonial period art and paintings; Curator José G. ZUNO.

Orozco's Workshop: Aurelio Aceves 27; became a museum after the artist's death in 1949; paintings and sketches.

Guanajuato.

Museos de la Universidad de Guanajuato (*University Museums*): Lascurain de Retana 5; f. 1828; comprise: Natural History, Geology, Mineralogy, the collections in the last-named being some of the most valuable in the Americas.

Jalapa, Ver.

Museo Veracruzano de Antropologia: special regional archæological collections of the Olmec, Totonac and Huastec cultures of ancient Mexico; under organisation by the Director of the Dept. of Archæology of the University of Veracruz, ALFONSO MEDELLÍN ZENIL.

Mérida, Yuc.

Museo Arqueológico e Histórico de Yucatán (*Archæological and Historical Museum*): f. 1920; archæological and ethnological exhibits from the Maya zone; Dir. ANTONIO CANTO LÓPEZ; publ. *Boletín de Bibliografía Yucateca*.

Morelia, Mich

Museo Regional Michoacano S.E.P. (*Michoacan Regional Museum*): f. 1886; archæological, ethnographical and prehistoric collections of the district; Dir. ANTONIO ARRIAGA OCHOA; publ. *Anales*.

Oaxaca, Oax.

Museo Regional de Oaxaca: f. 1933; anthropological, archæological, ethnographical; contains the famous archæological treasures found in Tomb No. 7, Monte Albán, jewellery, etc.

Patzcuaro, Mich.

Museo de Artes Populares (*Regional Museum of Arts and Crafts*): f. 1935; ancient and modern ethnographical exhibits relating to the Tarascan Indians of Michoacan.

Puebla, Pue.

Museo Regional de Santa Mónica: f. 1940; religious art; comprises the collections of various disbanded convents and now housed in that of Santa Mónica.

Museo de Arte "José Luis Bello y González": Avda. 3 Poniente 302; f. 1938, opened to the public 1944; given to the town by Sr. José Mariano Bello; formerly part of his private collection; contains: ivories, porcelain, wrought iron, furniture, etc., Mexican and European paintings; Dir. ALICIA TORRES DE ARAUJO.

Museo del Estado: Casa del Alfeñique, 4 Oriente No. 406; f. 1926; notable archæological and historical collections; Dir. MIGUEL E. SARMIENTO.

Querétaro, Qro.

Museo Regional de Querétaro (*Querétaro Historical Museum*). Corregidora 3; f. 1936; local history and art; Dir. J. GERMÁN PATIÑO DÍAZ; Local Inspector of Colonial Monuments MIGUEL PATIÑO CABRERA.

San Luis Potosí

Museo de Historia Natural (*Natural History Museum*): University of San Luis Potosí.

Teotihuacán, Mex.

Museo Arqueológico de Teotihuacán: Pirámides; f. 1922 archæological, ethnographical, anthropological and historical collections from the Teotihuacán Valley; Dir. MANUEL CASTAXEDA.

Tuxtla Gutiérrez, Chiapas

Museo Regional de Antropología e Historia: Palacio de la Cultura; f. 1939; archæological, colonial and anthropological; Dir. ARMANDO DUVALIER.

Tzintzuntzan, Mich.

Museo Etnográfico y Arqueológico: f. 1944; ethnographical and archæological collections relating to the Ttzzinuntzan and Tarascan zones of Lake Pátzcuaro.

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UNIVERSITIES

UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO
(National Autonomous University of Mexico)

UNIVERSITY CITY, VILLA OBREGÓN,
MEXICO CITY
Telephone: 48.65.00

Founded 1551; classes commenced 1553.

Rector: Dr. IGNACIO CHÁVEZ.
Secretary-General: Dr. ROBERTO L. MANTILLA MOLINA.
Librarian: Sr. JUAN B. IGUÍNIZ.
Treasurer: JAVIER ORTIZ TIRADO.

In addition to the Central Library, there are specialised libraries attached to the faculties, schools and research institutes.

Number of teachers: approx. 4,943.
Number of students: approx. 70,000

Publications: *Anales del Instituto de Biología, Anales del Instituto de Física, Boletín de Estudios Médicos y Biológicos, Boletín del Instituto de Derecho Comparado de México, Boletín del Instituto de Geología, Boletín del Instituto de Química, Boletín de la Biblioteca Nacional, Boletín de la Escuela Nacional de Medicina, Boletín de los Observatorios de Tonantzintla y Tacubaya, Boletín de la Sociedad Matemática Mexicana, Boletín Oceanográfico, Boletín Sismológico, Boletín de la Sociedad Mexicana de Física, Boletín Geomagnético, Ciencias Políticas y Sociales, Dianoia, Filosofía y Letras, Ingeniería, Investigación Económica, Revista de la Faculdad de Derecho, Revista Matemática, Revista Mexicana de Sociología, Universidad de México, Gaceta de la Universidad.*

CO-ORDINATORS AND DIRECTORS OF INSTITUTES AND DEPARTMENTS:

Coordinador de Institutos de Investigación Científica: Dr. IGNACIO GONZALEZ.
Coordinador de Institutos de Humanidades: Dr. MARIO DE LA CUEVA.
Director-General de Servicios Escolares: Méd. Cir. ARMANDO SANDOVAL.
Director-General de Universidades y Escuelas Incorporadas: Lic. PALMA GUILLEN DE NICOLAU.
Director-General de Difusión Cultural: Lic. JAIME GARCÍA TERRÉS.
Director-General de Servicios Sociales: Méd. Cir. ALFONSO DE GORTARI.
Director-General de Publicaciones: Lic. RUBEN BONIFAZ NUÑO.
Dirección de Cursos Temporales: Dr. ANTONIO CASTRO LEAL.

DIRECTORS OF FACULTIES AND SCHOOLS:

Faculty of Law: Lic. CÉSAR SEPÚLVEDA.
Faculty of Philosophy and Letters: Dr. FRANCISCO LARROYO.
Faculty of Science: Dr. GUILLERMO TORRES DIAZ.
National Schools:
Architecture: Arq. JORGE GONZÁLEZ REYNA.
Chemistry: Ing. Quim. FRANCISCO DÍAZ LOMBARDO.
Commerce and Business Administration: ARTURO ELIZUNDIA CHARLES, C.P.T.
Economics: Lic. EMILIO MÚJICA.
Engineering: Ing. ANTONIO DOVALÍ JAIME.
Medicine: Méd, Cir. DONATO G. ALARCÓN.
Music: Prof. AURELIO FUENTES TRUJILLO.
Nursing and Obstetrics: Méd. Cir. LÁZARO PAVÍO CRESPO.
Odontology: Cir. Dent. MIGUEL SANTOS OLIVA.
Plastic Arts: Prof. JOSE ARELLANO FISHER.
Political and Social Sciences: Dr. PABLO GONZÁLEZ CASANOVA.
Preparatoria: ALFONSO BRISEÑO.
Veterinary Medicine and Zootechnics: Med. Vet. MANUEL RAMÍREZ VALENZUELA.

Owing to the large number of the teaching staff, lack of space makes it impossible to give, in the case of this University, the usual list of professors.

AFFILIATED RESEARCH INSTITUTES:

Biblioteca Central y Subsidiarias (*Central Library and Branches*).
Director: Prof. TOBÍAS CHÁVEZ.

Biblioteca Nacional de México (*National Library*).
Director: Dr. MANUEL ALACALA.

Centro de Estudios Filosóficos (*Centre of Philosophical Studies*).
Director: Dr. EDUARDO GARCÍA MAYNEZ.

Centro de Estudios Latinoamericanos (*Centre of Latin-American Studies*): established by the School of Political and Social Sciences; studies of Latin-American problems at the graduate level and the preparation of specialists; scholarships for students from member-countries of the Organisation of American States available through the Pan American Union.

Instituto de Biología (*Biological Institute*).
Director: Dr. ROBERTO LLAMAS.

Instituto de Derecho Comparado (*Institute of Comparative Law*).
Director: Dr. ROBERTO MOLINA PASQUEL.

Instituto de Estudios Médicos y Biológicos (*Institute of Medical and Biological Studies*).
Director: Dr. IGNACIO GONZÁLEZ GUZMÁN.

Instituto de Física (*Institute of Physics*).
Director: Dr. FERNANDO ALBA ANDRADE.

Instituto de Geofísica (*Institute of Geophysics*).
Director: Dr. JULIÁN ADEM.

Instituto de Geografía (*Geographical Institute*).
Director: Prof. RITA LÓPEZ DE LLERGO.

Instituto de Geología (*Geological Institute*).
Director: Ing. GUILLERMO P. SALAS.

Instituto de Investigaciones Estéticas (*Institute for Aesthetic Research*).
Director: Dr. JUSTINO FERNÁNDEZ.

Instituto de Investigaciones Históricas (*Institute for Historica iResearch*).
Director: Prof. JUAN B. IQUÍNIZ.

Instituto de Investigaciones Sociales (*Institute of Socia Research*).
Director: Dr. LUCIO MENDIETA Y NÚÑEZ.

Instituto de Matemáticas (*Mathematical Institute*).
Director: Dr. ALFONSO NÁPOLES GÁNDARA.

Instituto de Química (*Institute of Chemistry*).
Director: Dr. ALBERTO SANDOVAL.

Observatorio Astronómico (*Astronomical Observatory*).
Director: Dr. GUILLERMO HARO.

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UNIVERSIDAD AUTONÓMA DEL ESTADO DE MÉXICO
(Autonomous University of the State of Mexico)

TOLUCA, EDO. DE MEXICO

Telephone: 22-04 and 4504

Rector: Dr. MARIO C. OLIVERA.
Secretary-General: FRANCISCO MARTÍNEZ.

UNIVERSIDAD FEMENINA DE MÉXICO

AVDA. DE LOS COSTITUYENTES 151,
TACUBAYA, MEXICO 18, D.F.

Telephone: 15.24.74, 15.64.33, 15.64.97

Founded 1943

Founder and Director-General: ADELA FORMOSO DE OBREGÓN SANTACILIA.
Secretary-General: ADELA OBREGÓN F. DE VELEZ CUEVAS.

Library of 12,000 vols.
Number of teachers: 137.
Number of students: 1,200.

DIRECTORS:

Bachilleratos: Lic. CELIA ALARCÓN DE CABRERA.
Letters: GUADALUPE SÁNCHEZ AZCONA DE GARZA GALINDO.
Law: Lic. JOSÉ BARROSO.
Accountancy: GASTÓN AVELLANEDA.
Pharmaceutical Chemistry: MARÍA DEL PILAR RIUS DE BELASTEGUIGOITIA.
Science of Diplomacy: Lic. F. JORGE GAXIOLA, Jr.

Baccalaureate and Preparatory School.

Facultative Schools: Administration, Archives and Libraries, Letters, Laws, Social, Political and Diplomatic Sciences.

Courses: Archives, Interior Decoration, Food and Nutrition, Journalism, Medical Laboratories and Radiology, Nursing, Anæsthetics, Children's Nursing, Medical and Dental Secretarial Work, Social Welfare.

UNIVERSIDAD OBRERA DE MÉXICO
(Workers' University)

AVDA. MORELOS 91, MEXICO CITY

Telephone: 46-17-26.

Founded 1936

Director: Dr. VICENTE LOMBARDO TOLEDANO.
Secretary-General: Prof. ADRIANA LOMBARDO.
Administrative Head: RACIEL HERNÁNDEZ.
Head of the Scholastic Department: CESÁREO JIMÉNEZ.
Head of the Cultural Activities Department: OFELIA IGLESIAS and ANA MENDIZABAL.
Head of Cultural Relations with Abroad: FEDERICO SILVA.
Head of the Editorial Department: FERNANDO BELTRAN.
Librarian: FANNY ELVIRA PERERA CHAMÁN.

Publications: *Universidad* (half-yearly).

The University is divided into schools offering courses on Labour Legislation, the Political Education of Workers, Painting, Sculpture and Drawing, Languages; as well as elementary courses in Arithmetic, Spanish, History and Mexican Geography. There is a *Departamento de Extensión Cultural* which organises study centres, lectures and concerts in Mexico City and throughout the country under the directorship of Dr. LUIS MONTER VALENZUELA.

TEACHERS:

ALTAMIRANO, Prof. ELEUTERIO.
BOTAS SANTOS, Lic. EDUARDO.
CARRASCO, VICTOR MANUEL.
COLINA BARRANCO, Lic. MARIO.
DE MENDIZÁBAL, Ing. MIGUEL.
FÉLIX, LÁZARO RUBIO.
GONZÁLEZ BERNARD, Prof. MARIO.
GUTIÉRREZ, Prof. VICTOR.
HERNÁNDEZ, Prof. RACIEL.
IGLESIAS, OSCAR FILIBERTO.
LOMBARDO TOLEDANO, Dr. VICENTE.
MENDIZABAL, ANA.
OGAZ MUÑOS, Lic. TOMÁS.
PLIEGO GALICIA, Lic. ALFONSO.
RAMÍREZ, Lic. EDUARD.
RÍOS DÍAZ, Lic. AUGUSTO.
SÁNCHEZ DÍAZ, Lic. ALFONSO.

UNIVERSITY OF THE AMERICAS

KM. 16 CARRETERA MEXICO-TOLUCA

Telephone: 20-93-45

Founded 1940 as Mexico City College; University 1963

President: Dr. D. RAY LINDLEY.
Registrar: Mrs. ELIZABETH T. DE LOPEZ.
Librarian: Mr. ROBERT A GORDILLO.

Library: 20,000 volumes.
Number of teachers: 91.
Number of students: 850.

Publications: *Meso-American Notes, Boletin de Estudios Oaxaquenos, Antologia M.C.C., Directory of Libraries of Mexico City, The Mosaic, Alumni Notices, The Collegian, First Edition and Supplement of Descriptive List of Research Papers and Theses.*

PROFESSORS:

ALLEN, MILDRED (English).
GARZA, GARCIA, Dr. FRANCISCO (Psychology).
JIMENEZ MORENO, WIGBERTO (Anthropology).
LINDLEY, Dr. D. RAY (Psychology).
MCMICHAEL, Dr. MELVIN E. (Business Administration).
ROBINS, EDMUND (English).
STAFFORD, Dr. LORNA L. (Spanish Language and Literature).
THARP, Dr. JAMES B. (Education).
VON WUTHENAU, Dr. ALEXANDER (History of Art).

UNIVERSIDAD AUTONOMA DEL ESTADO DE BAJA CALIFORNIA

MEXICALI, BAJA CALIFORNIA

Rector: Dr. SANTOS SILVA COTA.
Secretary: RAFAEL SOTO GIL.

UNIVERSIDAD DE CAMPECHE

CAMPECHE, CAMP

Rector: Lic. MANUEL PERÉZ ABREU DE LA TORRE.
Secretary-General: PEDRO TELLO ANDUEZA.

UNIVERSIDAD DE CHIHUAHUA

CIUDAD UNIVERSITARIA, CHIHUAHUA

Telephone: 2-42-11

Founded 1954

Rector: SAUL GONZALEZ HERRERA.
Secretary-General: REYNALDO HORCASITAS.
Registrar: Dr. JESUS TORRES ENRIQUE.

Number of teachers: 253.
Number of students: 2,027.

Publications: *Lecturas Juridicas, Boletin Bibliografico-Escuela de Derecho.*

DEANS:

Faculty of Medicine: Dr. CARLOS VILLEMAR TOLEDO.
Faculty of Engineering: Ing. FERNANDO J. MENDOZA.
Faculty of Accountancy and Administration: C. P. JAIME CREEL.

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Faculty of Stock-Raising: Dr. Blas Ibarra Montie
Faculty of Pharmacy: Nicolas Bolas Issa.
Faculty of Physical Education: Prof. Roberto B. Salvidar.
Preparatory School: Dr. Manuel Vargas Curiel.
Institute of Fine Arts: Prof. Manuel Perez Marquez.
Faculty of Law: Oscar Ornelas K.

Faculty of Medicine:
Remolina, Dr. Joaquin (Physiology).
Welsch, Dr. Federico (Biochemistry(.
Faculty of Engineering:
Garcia Terrazas, Ing. Hector (Building).
Moya, Prof. Miguel (Mathematics).
Portillo, Ing. Edmundo (Mathematics).
Quiroz, Ing. Prisciliano (Electrical Engineering).
Faculty of Law:
Perez Banos, Lic. Francisco (Philosophy of Law, Civil and Procedural Law).

UNIVERSIDAD DE COAHUILA

SALTILLO, COAH

Rector: Lic. José de las Fuentes Rodríguez.

UNIVERSIDAD POPULAR DE COLIMA

COLIMA, COL.

Rector: Lic. José Pérez Mendoza.

UNIVERSIDAD "JUAREZ" DE DURANGO

DURANGO, DGO.

Rector: Lic. Angel Rodríguez Solórzano.

UNIVERSIDAD DE GUADALAJARA

AVENIDA JUÁREZ 975, GUADALAJARA, JAL.

Telephone: 4.49.85

Founded 1792

Rector: Dr. Roberto Mendiola Orta.
Secretary-General: Julio Novoa Niz.

The Library contains 30,000 volumes.
Number of teachers: 1,059, including 87 full-time.
Number of students: 9,130.

Directors:

Faculty of Chemistry: Ing. Humberto Díaz Ruvulcaba.
Faculty of Commerce and Business Administration: Jésus Medina Ambiz.
Faculty of Law: Lic. Ignacio Maciel Salcedo.
Faculty of Economics: Lic. Flavio Beruben Arquiet.
Faculty of Philosophy and Letters: Ing. Edmundo Ponce Adame.
Faculty of Engineering: Ing. Pedro Vásquez Guerra.
Faculty of Medicine: Dr. Wenceslao Orozco Sevilla.
Faculty of Dentistry: Dr. Juan Acosta Aguilar.

Affiliated Schools and Institutes:

Escuela de Música (*School of Music*).
Director: Prof. Domingo Lobato Bañales.

Instituto de Astronomía y Meteorologia.
Director: Lic. J. Jesús Arias V.

Instituto de Bibliotecas (*Institute of Librarianship*).
Director: Prof. José Cornejo Franco.

Instituto de Botánica (*Botanical Institute*).
Director: Ing. Agustín Gómez y Gutiérrez.

Instituto de Geografía (*Geographical Institute*).
Director: Ing. José R. Benítez.

Instituto Tecnológico (*Technological Institute*).
Directors:
Faculty of Engineering: Ing. Manuel F. Parra.
Faculty of Chemistry: Ing. J. Luis Medina G.
School of Architecture: Arq. Ignacio Díaz Morales.
Polytechnic (Sec.-Gen.): Prof. Octavio Mendoza.
Vocational Guidance School: Ing. Gustavo Vaca Villaseñor.
Department of Industrial Research and Development: Dr. Ricardo Zaldumbide.
Workshops: Ing. Hugo Rosales Martínez.

UNIVERSIDAD AUTÓNOMA DE GUADALAJARA

16 DE SEPTIEMBRE, 340, GUADALAJARA, JAL.

Telephone: 4-49-85.

Founded 1935.

Rector: Dr. Luis Garibay Gutiérrez.
Secretary: Lic. Carlos Perez Vizcaino.
Treasurer: Ing. Luis Ugarte.
Librarian: Lic. Ignacio Moreno.

The Library contains 22,000 volumes.
Number of students (approx.): 2,986.
Publications: *Galeta Universitaria, Lucha.*

Directors:

Faculty of Medicine: Dr. Guillermo Santoscoy Gómez.
Faculty of Engineering: Ing. Luis Ugarte.
Faculty of Odontology: Dr. Gilberto Solis Arestegui.
Faculty of Chemical Sciences: Dr. Joaquin Ramos Santos.
Faculty of Law: Lic. Miguel R. Sotomayor Reyes.
Faculty of Commerce and Administration: Lic. C. P. Aurelio Córtes Díaz.
Faculty of Architecture: Arq. Francisco Camarena.

Professors (Titulares):

Faculty of Medicine:
Aceguera Navarro, Carlos (Theory of Pharmacology).
Acero de la F., Guillermo (Macroscopy).
Aceves Flores, Ignacio (Propaedeutics).
Aceves Ortega, Raúl (Dermatology).
Aceves Ortega, Ruben (Pathological Respiratory Surgery).
Aguirre Castíllo, Ruben (Practical Genetics and Embryology).
Avalos, Enrique (Ophthalmology).
Badial, Florentino (Pathological Gastric Surgery).
Barragán Perez, Manuel (Skeleto-muscular System).
Bellón Echevarría, Alberto (Anæsthesiology).
Camarena Q., Guillermo (Radiology).
Chabat, Carlos (Forensic Medicine).
Cortés de la F., Fernando (Respiratory Clinical Surgery).
Cortés Ochoa, Rodolfo (Oto-Rhino-Laryngology).
Del Carmen Lara, Maria (Practical Pharmacology).
De la Torre, José (Radiology).
De la Torre, Salvador (Pædiatrics).
Del Campo, Rigoberto (Genetics and Embryology).
Díáz Navares, José (Sociological Medicine, Preventive Medicine).
Echeverrí, Victor Manuel (Surgical Technique).
Farías, Fernando (Medical Psychology).
Farías M., Guillermo (Theory and Practice of Biochemistry).
Figueroa Vega, Jose Luis (Anæsthesiology).
Fonseca Montero, Humberto (Propædeutics).
Gallardo, Lorenzo (Clinical Propædeutics).
García Castellanos, Rafael (Macroscopy).
García Lara, Javier (Clinical Gastric Surgery).
Garibay, Luis (Dietetics).
Gijón, Enrique (Theory and Practice of Physiology).
Godínez Monroy, Efrain (Skeleto-muscular System).
González Reynoso, Ignacio (Theory of Pharmacology).
Guizár Quintero, Roberto (Medical Psychology).
Gutiérrez, Heriberto (Experimental Surgery).
Guzmán G., J. (Macroscopy).
Lazcano, Salvador (Theory of Obstetrics).
Márquez Monter, Hector (Pathological Anatomy).
Martínez Torres, Luis (Theory of Obstetrics).
Méndez Ramirez, José Luis (Anæsthesiology).
Natera Terrones, Ricardo (Respiratory Organs).

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NAVARES NERINO, FABIAN (Surgical Technique).
OCHOA MARTÍNEZ, IGNACIO (Clinical Respiratory Pathology).
ORENDAÍN, JOAQUÍN (Surgical Technique).
OROZCO, ISMAEL (Genetics and Embryology).
OZUNA, CARLOS GONZÁLEZ (Preventive Medicine).
PRECIADO ANAIZA, JAVIER (Microbiology and Parasitology).
RAMOS MEZA, JOSÉ ERNESTO (Nutrition and Endocrinology).
RAMOS SANTOS, JOAQUÍN (Circulatory Organs).
RÍOS GONZALEZ, AGUSTÍN (Clinical Anatomy).
RIVAS, CARLOS (Pathological Medicine).
RODRÍGUEZ, JESÚS (Endocrinology).
ROMANO, MIGUEL (Surgical Pathology).
ROMERO PÉREZ, JOSÉ (Theory of Pharmacology).
SALAS GARCÍA, RAÚL (Clinical Propædeutics).
SÁNCHEZ, DEMETRIO (Pathological Anatomy).
SÁNCHEZ PILLOT, CARLOS (Digestive Organs).
SANTOSCOY GÓMEZ, GUILLERMO (Theory of Microbiology and Parasitology).
SANTOSCOY GÓMEZ, LUIS (Clinical Anatomy).
SAUCEDO GALINDO, MARIO (Clinical Medicine).
SILVA ESCOTO, SALVADOR (Clinical Anatomy).
SOLÍS ARESTEGUI, GILBERTO (Experimental Surgery).
VELASCO, FRANCISCO (Medical Psychology).
VILLAREAL, CARLOS (Genetics and Embryology).
VIZCAÍNO, CARLOS (Surgical Pathology).

Faculty of Engineering:
AGUILERA DE LA M., JAVIER (Construction Practices).
ALATORRE DURÓN, FRANCISCO (Concrete Practices).
AMEZCUA, JOSÉ LUIS (Concrete).
ARAMBULA ESPINOSA, RAMÓN (Mathematics).
DÁVILA CAMACHO, ALFREDO (Descriptive Geometry).
DE LA PEÑA, FELIPE (Electrical Engineering).
GÓMEZ VELASCO, MANUEL (Perspective).
HERRERA MARMOLEJO, LUIS (Roadways).
LARIOS GONZÁLEZ, CARLOS (Applied Mechanics).
MEDINA LUNA, ARTURO (Draughtsmanship).
MENDOZA, JOSÉ (Bridges).
NAVARETE MADRIGAL, MARTÍN (Construction Stability).
NUÑEZ FARÍAS, FRANCISCO (Materials Laboratory).
NUÑEZ GUTIÉRREZ, ALFONSO (Physics).
PLAZA, FERNANDO (Mathematics).
RAIGOZA, JESÚS (Astronomy).
RAMÍREZ, DOMINGO (Professional Ethics).
RODRÍGUEZ PUGA, MIGUEL (Soil Mechanics).
SOLÍS ARESTEGUI, RAMÓN (Practical Calculus).
UGARTE VIZCAÍNO, LUIS (Harbours and Navigations).
VASGAS, JUAN DE DIOS (Timber Construction).

Faculty of Architecture:
AMEZCUA, JOSÉ LUIS (Resistance of Materials).
CAMARENA, FRANCISCO (History of Architecture and Planning).
DÁVILA CAMACHO, ALFREDO (Statics).
GARZA UGALDE, CARLOS E., (History of Architecture).
GOMEZ VELASCO, MANUEL (Draughtsmanship).
MEDINA LUNA, ARTURO (Construction Elements).
NUÑEZ FARÍAS, FRANCISCO (Resistance of Materials).
OCHOA RUESGA, JESÚS (Town Planning).
RAMELLA OSUNA, GUIDO (Analysis of Buildings).
SOLÍS ARESTEGUI, RAMÓN (Administration of Works).

Faculty of Odontology:
ACOSTA CERVANTES, PEDRO (Human Anatomy).
AGUIRRE C. RUBEN (Histology and Embryology).
AGUIRRE LOZANO, JOSÉ (Clinical Dentistry).
AZCARRAGA, MARIANO (Exodonty).
DE LA TORRE, JOSÉ (Radiology).
DEL CARMEN LARA, MARÍA (Physiological Chemistry).
DE SILVA, ALFONSO (Odontology).
FARÍAS, GUILLERMO (Microbiology).
FLORES MÉNDEZ, ANTONIO (Prosthodontics).
GARAY, JOSÉ (Human Anatomy Dissection).
GONZÁLEZ, LUIS (Public Hygiene, Preventive Odontology).
GUIZÁR QUINTERO, SOLEDAD (Infantile Odontology).
MÁRQUEZ MONTER, HÉCTOR (Pathological Anatomy).
MONCAYO RUÍZ, RAFAEL (Dental Anatomy).
NAJAR ORIGEL, ERNESTO (Prosthodontics).
NAVARRO LÓPEZ, EFRAÍN (Surgical Technique).
OCEGUERA, CARLOS (Applied Pharmacology).
PUJOL, JOSÉ (Oral Surgery).
RAMOS SANTOS, JOAQUÍN (Propædeutics).
ROBLES SANTANA, FELIPE (Dental Materials).
VALLE GIL, CARLOS (Anæsthesia).
VILLASEÑOR V., ALEJANDRO (Orthodontics).

Faculty of Chemical Sciences:
ALVAREZ DEL C., AURORA (Organic Chemistry).
AMEZCUA SAHAGUN, MANUEL (Dynamics).
ARÁMBULA ESPINOZA, RAMÓN (Geometry).
ARREGUÍN GONZÁLEZ, JOSÉ LUIS (Physics).
CHABAT RABAGO, CARLOS (Forensic Chemistry).
CODINEZ SÁNCHEZ, SALVADOR (Industrial Draughtsmanship).
DE LA TORRE LÓPEZ, BEATRIZ (Technology and Pharmaceutics).
DÍAZ NAVARRES, JOSÉ (Public Hygiene, Forensic Chemistry).
FIERRO ESTRADA, ANA MARIA (General Microbiology).
GARCÍA MÉNDEZ, RAMÓN (Organic Chemistry).
GARIBAY MADRIGAL, IGNACIO (Quantitative Chemical Analysis).
GÓMEZ GALVAN, MARCELINO (Industrial Hygiene).
GONZÁLEZ BRAVO, LUIS (Comparative Anatomy).
GONZÁLEZ ECHEVERRÍA, ALICIA (Biochemistry).
GUIZÁR CARRANZA, JESÚS (Organic Chemistry).
HERMOSILLO HERNÁNDEZ, SALVADOR (Physiology, Histology)
HERRERA VARGAS, RUBEN (Galenic Pharmacy).
HERSCHKTOWITZ O'BRIEN, ENRIQUE (Siderurgy).
LANCASTER JONES V., ALBERTO (Chemical Engineering).
LOMELI CAMARENA, JAVIER (Sugar and Alcohol Technology).
LÓPEZ LIMÓN, MARIA DEL CONSUELO (Mathematics).
MÉNDEZ RAMÍREZ, LUIS (Comparative Anatomy).
MESTAS TERÁN, JOSÉ ANTONIO (Inorganic Chemistry).
OCHOA MACÍAS, CARLOS GUILLERMO (Physics).
OROZCO MAGAÑA, ISMAEL (Physiology and Histology).
ORTIZ LARIOS, SALVADOR (Industrial Raw Materials).
PÉREZ VARGAS, BEATRIZ (Qualitative Chemical Analysis).
PRECIADO ARAIZA, JAVIER (Clinical Chemical Analysis).
RAMÍREZ, JOSÉ JACOBO (Metallurgical Analysis).
RAMOS SANTOS, JOAQUÍN (Parasitology).
RUVALCABA ATILANO, JOSÉ LUIS (Botany).
RUÍZ VELASCO, MARIA G., (Inorganic Chemical Pharmacy).
SÁNCHEZ LLAGUÑO, (Mathematics).
SERRANO, CARLOS JIMENO (Mathematics).
SORIANO BERRUETE, JAVIER (Organic Chemistry).
TRUJILLO DEL RIO, JUAN JOSÉ (Physics).
ZUÑIGA ROMERO, RUBEN (Chemical Engineering).

Faculty of Law:
ACEVES M., MANUEL (Penal Law).
ASCANIO, J. ADALBERTO (Banking Law).
CAMPIRANO D., ABEL M. (Roman Law).
CHABAT, CARLOS G. (Forensic Medicine).
CORTES DIAZ, AURELIO (Administrative Law).
DAVALOS HERRERA, HUMBERTO (Sociology).
FIGUEROA L., CARLOS (Contracts).
GARIBI H., ALBERTO (Civil Law).
GONZÁLEZ BALLESCA, GUILLERMO (Penal Procedure).
HERNÁNDEZ, O. GUILLERMO (Public International Law).
HERNÁNDEZ ORNELAS, GUILLERMO (Administrative Law).
HERNÁNDEZ VALLE, LUIS (Guarantees and Protection).
MARTÍNEZ, GUILLERMO (Public International Law).
MARTÍNEZ NEGRETE, LORENZO (Civil Law).
MORALES CASTRO, MARIO (Penal Law).
PÉREZ VIZCAÍNO, CARLOS (Introduction to the Structure of Law).
REYNOSO R., SALVADOR (Roman Law).
RIVAS SALMÓN, ALFONSO (Agrarian Law).
RIZO CUBILLO, JESÚS (Philosophy of Law).
RODRÍGUEZ, ANTONIO (Labour Law).
RUÍZ DIAZ, RAFAEL (Civil Law Procedure).
SOTOMAYOR R., MIGUEL (Constitutional Law).
VALENCIA, JUAN MANUEL (Labour Law).

Faculty of Commerce and Administration:
ALONSO, ROBERTO (Special Accountancy).
CHÁVEZ, HERIBERTO (Commercial and Administrative Practices).
CÓRTES DÍAZ, AURELIO (Administrative Law).
ESCOBEDO, SALVADOR (Fiscal Law).
GUDIÑO SANTANA, MARCIANO (Accountancy).
HERMOSILLO, SALVADOR (Mercantile Law).
JIMÉNEZ, RAMÓN (Industrial Costings).
MARTÍN SAUCEDA, FRANCISCO (Finance Mathematics).
OCHOA V., CARLOS (Principles of Administrative Organisation).
REYNOSO, SALVADOR (Introduction to the Study of Law, Civil Law).
SORIA, VÍCTOR (Special Accountancy).
VILLARUEL, ALEJANDRO (Seminar).

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UNIVERSIDAD DE GUANAJUATO

L. DE RETANA No. 5, GUANAJUATO

Telephone: 96

Founded 1732

During the Colonial period the University was known as Colegio de la Purísima Concepción; changed in 1928 to Colegio del Estado; present name 1945.

Rector: Lic. ARMANDO OLIVARES CARRILLO.

Secretary: ARTURO LARIOS.

Libraries:

Biblioteca Pública (*Public Library*): 50,000 volumes.

Biblioteca Popular Nocturna (*Night School Library*): 2,000 volumes.

Specialised libraries are also attached to the Schools of Law, Civil Engineering, Mines, Chemistry and Philosophy and Letters.

DIRECTORS:

School of Law and Social Sciences: Lic. ARMANDO OLIVARES C.

School of Civil Engineering: Ing. JOSÉ GUZMÁN C.

School of Chemistry and Pharmacy: JESÚS ACEVEDO S.

School of Economics and Commerce: Prof. WILFRIDO LARA.

School of Nursing and Obstetrics: Dr. RAFAEL MARTÍNEZ PÉREZ.

School of Mining Engineering: TIBURCIO ALVAREZ.

In addition, Schools of Philosophy and Letters, Drama and Plastic Arts function in Guanajuato; Accountancy and Nursing in Celaya; and Nursing in León. Preparatory Schools providing pre-university training are maintained in Celaya, Irapuato and León.

PROFESSORS:

School of Law and Social Sciences:

ARANDA TORRES, RAUL (Civil Law).
CADENA, FÉLIX (Legal Practice).
CARDONA, JESÚS (Administrative Law).
CHOWELL, DANIEL (Administrative and Mercantile Law).
FRANCO, JOSÉ J. (Forensic Medicine).
GALLO, BENJAMIN (Roman Law and Private International Law).
GUTIÉRREZ, AGUSTÍN (Civil Law).
HERNÁNDEZ, JOSÉ (Penal Law).
IBARGÜENGOITIA, JOSÉ L. (Political Economy, History of Political Doctrines).
LOMELÍ, ANTONIO (General Theory of State).
LUNA GUZMÁN, JESÚS (Penal Law).
OLIVARES C., ARMANDO (Philosophy of Law, Forensic Practice).
ORTÍZ, PEDRO F. (Civil Procedural Law).
PUGA, GABINO (Agrarian Law).
RENDÓN, SERGIO (Sociology).
REYES RETANA, IGNACIO (Civil Procedural Law).
SÁNCHEZ, MARGARITO (Roman Law, Labour Law and Industrial Legislation).
TRUEBA O., EUGENIO (Theory of Law).
VARGAS, MARIO (Constitutional Law and Security).
VILLASEÑOR A., JESÚS (Public International Law, Mercantile Law).
VIRAMONTES, SALVADOR (Penal Procedure).

School of Civil Engineering:

ARANDA U., MANUEL (Drawing, Construction, Ports and Rivers).
GUZMÁN C., JOSÉ (Algebra, Vectorial Calculus, Soil Testing).
OCHOA, ROBERTO (Geology, Roads, Strength of Materials).
RIVA P., EDMUNDO (Geometry, Bridges, Testing of Materials).
YÁÑEZ C., SALVADOR (Topography, Hydraulics).

School of Chemistry and Pharmacy:

BERNAL SAHAGÚN, ALFONSO (Inorganic Chemistry).
CARRASCO, CARMEN (Acyclic and Cyclic Organic Chemistry, Pharmacodynamics).
CERVANTES, AURORA J. DE (Galenic Pharmacy).
CERVANTES, LUIS (Biochemistry, Immunology).
GARCÍA, AMPARO (Commercial Pharmacy and Sanitary Legislation).
GÓMEZ, EFRAIN (Inorganic Chemistry, Biostatistics, Bromatological Analysis).
LOBATO, RANULFO (Comparative Anatomy, Physiology, Hygiene, Hæmatology).
LÓPEZ, ARMANDO C. (Technical Physics, Quantitative Analysis).
LÓPEZ, WENCESLAO (Physics, Chemistry, Thermodynamics, Optics, Acoustics).
NIETO V., ANDRÉS (Industrial Drawing).
NIETO V., RAFAEL (Industrial Microbiology, Clinical Analysis, Pharmacography, Immunology).
PÉREZ CANCIO, ENRIQUE (Qualitative Chemical Analysis, Electricity and Magnetism, Electrochemistry).
PRADO, LUZ MARIA (Botany and Vegetal Drugs).
SIERRA, EVANGELINA V. DE (Pharmaceutical Practice).
TOWNSEND, MANUELA (Quantitative Chemical Analysis, Forensic Chemistry and Toxicology).

School of Economics and Commerce:

CABALLERO, EUGENIO (Mathematics and Algebra).
CADENA, FELIX (Logics and Ethics).
CARRASCO, JUAN MANUEL (Mercantile Mathematics).
CASTAÑÓN, MANUEL (Mercantile Law and Legislation).
CRUCES, EDUARDO (Spanish).
GARCÍA LÓPEZ, PABLO (English).
GARCÍA, RAQUEL (Banking, Commercial Practice and Accountancy).
HERNÁNDEZ DE LUNA, CARMEN (Shorthand-Typing).
LARA, WILFRIDO (Industrial and Mercantile Accountancy).
LARIOS, ARTURO (Calligraphy).
MALO, FÉLIX (Commercial Accountancy).
PRADO, JUAN JOSÉ (Fiscal Legislation, Industrial Law).
PUGA, GABINO (Economic and Social Geography).
REYES RETANA, IGNACIO (Political Economy and Legislation).
RIVERA M., JOSÉ (Algebra and Mathematics).
RUÍZ BARBA, IRMA (Commercial Documentation and Correspondence).
SIERRA, ARTURO (Spanish).
SILVA, VIDAL (English).
SOCORRO ARELLANO, J. (English).
VILLANUEFA, SOLEDAD V. DE (Shorthand).

School of Nursing and Obstetrics:

FRANCO, JOSÉ J (Physical Medicine).
HERNÁNDEZ, DANIEL DE J. (Anatomy and Physiology).
ILLADES, EUGENIO (Infirmary Practice, Gynæcology).
LÓPEZ, MIGUEL A. (Botany and Zoology).
MALO, BLANCA (Laboratory Practice).
MARTÍNEZ PÉREZ, RAFAEL (Obstetrics, Clinical Semeiology).
SÁNCHEZ LIRA, EDUARDO (Bacteriology, Parasitology, Pædiatrics, Deontology).
TORRES, ROBERTO (Pharmacodynamics, Medical Chemistry, Biology, Hygiene, Biostatistics and Gynæcology).

School of Mining:

ALVAREZ, TIBURCIO (Geophysics, Mine Development and Security Methods).
OJEDA, JOSÉ (Topography, Descriptive Geometry, Drawing).
RIVERA, GUSTAVO (Topography, Metallurgy, Thermal Machinery).
SÁNCHEZ, JAVIER (Mineralogy, Stability, Dosimastic and Analytical Chemistry).
VILLASEÑOR, EDUARDO (Geology, Palæontology, Petrography, Mineralogy).

UNIVERSIDAD DE GUERRERO

CHILPANCINGO, GUERRERO

Rector: VIRGILIO GÓMEZ MOHARRO.

UNIVERSIDAD AUTONOMA DE HIDALGO

PACHUCA, HIDALGO

Rector: Lic. RUBÉN LICONA RUIZ.

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UNIVERSIDAD MICHOACANA DE SAN NICOLÁS DE HIDALGO

OCAMPO 351, MORELIA, MICHOACAN

Founded as a University in 1917, although classes had been previously established in different parts of the city, and San Nicolas College founded as early as 1541.

Rector: Dr. Eli de Gortari.

Director of Library: Prof. Ramón Martínez Ocaranza.

Biblioteca Pública y Universitaria (*Public and University Library*): 25,000 volumes.

Publications: *Letras Nicolaitas, Universidad Michoacana, La Espiga y el Laurel, Revista de Derecho* (twice monthly), *El Nicolaita* (monthly); Editor Ezequiel Calderón Gómez.

Deans:

Faculty of Medicine: Dr. Esteban Figueroa.

Faculty of Law: Lic. Bonifacio Yrigoyen.

Faculty of Engineering: Ing. Alfredo Ochoa Cervantes.

Faculty of Odontology: (Vacant).

San Nicolás College: Governor: Lic. Jesús Aguilar Ferreira.

Schools of Commerce and Fine Arts: (Vacant).

UNIVERSIDAD IBEROAMERICANA

ZARAGOZA 84, MEXICO 21

Telephone: 24-26-00.

Founded 1942.

Rector: Dr. Carlos Hernández Prieto.

Vice-Rector: Dr. José Sánchez Villaseñor.

Secretary-General: Lic. F. Xavier Mesa Ortiz.

Treasurer: Lic. Rafael Gómez Pérez.

Number of teachers: 270.
Number of students: 1,450.
Publication: *Revista "Séptimo Arte"*.

Deans:

Faculty of Philosophy: Miguel Villoro T.

Faculty of Letters: Héctor Gonzalez U.

Faculty of Architecture: Honorato Carrasco.

Faculty of Law: Dr. Manuel Borja Soriano.

Faculty of Mechanical and Electrical Engineering: Dr. Carlos Hernández Prieto.

The university also includes faculties for the following subjects: Business Administration, Ethnic History, Linguistics and Social Anthropology, Cinematographic Culture, Philosophy, Communications, History, History of Art, Spanish Letters, Psychology, Chemistry, Industrial Relations.

UNIVERSIDAD INTERAMERICANA, A.C.

APDO. 255, SALTILLO, COAH

President: Maria del Refugio Galindo.

UNIVERSIDAD DE MORELOS

AVENIDA MORELOS 224, CUERNAVACA, MORELOS

Founded 1939.

Rector: Biól. J. Felix Frías Sánchez.

Secretary-General: Lic. Oswaldo Peralth García.

There are departments of Architecture, Chemistry, Law, Teacher Training, Nursing and Midwifery, Textile Engineering.

Number of students: approx. 2,000.

UNIVERSIDAD DE NUEVO LEÓN

MONTERREY, NUEVO LEÓN

Telephone: 3-87-46.

Founded 1933

Rector: Lic. Alfonso Rangel Guerre.
Secretary: Lic. Virgilio Acosta.
Registrar: Lic. Vicente Reyes A.
Treasurer: Sr. Delfino de la Garza.
Librarian: José Angel Rendón.

Number of teachers: 946.
Number of students: 12,257.

Publication: *Armas y Letras* (quarterly), *Universidad* (annual), *Humanitas* (annual) and *Guia del Estudiante* (annual).

Directors of Faculties:

Faculty of Medicine: Dr. Marco Antonio Ugartechea.
Faculty of Dentistry: Dra. Estela Barrera.
Faculty of Chemistry: Ing. Eugenio G. Richer.
Faculty of Engineering: Ing. Ernesto Romero Jasso.
Faculty of Mechanical Engineering: Lic. e Ing. Nicolás Treviño.
Faculty of Commerce and Business Administration: Francisco Díaz Puebla, C.P.T.
Faculty of Law and Social Sciences: Dr. Arturo Salinas Martinez.
Faculty of Architecture: Ing. Arq. Eduardo Belden.
Faculty of Philosophy, Science and Letters: Dr. Agustin Basave Fernandez del Valle.
Faculty of Agronomy: Ing. Armando Guerrero Garate.

Selected Affiliated Institutes and Schools:

Escuela de Enfermería y Obstetricia (*School of Nursing and Obstetrics*).
Director: Dr. Raúl Arturo Jaurequi.

Escuela Normal de Música (*Normal School of Music*).
Director: Profa. Alicia Gonzalez de Fernandez.

Instituto de Investigaciones Científicas (*Institute of Scientific Research*).
Director: Ing. Dr. Hector Menchaca.

Escuela de Laboratoristas Clínico Biólogos (*School for Clinical Biological Laboratory Technicians*).
Director: Sr. Isidro Valle.

Escuela de Matemáticas (*School of Mathematics*).
Director: Dr. Rafael Serna.

Departamento de Extensión Universitaria (*Department of Extra-curricular Activities*).
Head: Hugo Padilla.

UNIVERSIDAD "BENITO JUAREZ" DE OAXACA

APDO. 76, OAXACA, OAX.

Telephone: 38-70

Founded 1827

Rector: Lic. Fernando Gomez Sandoval.
Secretary: Manuel Castro Rivadeneyra.
Treasurer: Carlos Cavero Hernandez, C.P.T.
Librarian: Jorge Fernando Iturribarria.

Number of teachers: 185.
Number of students: 3,075.

Publications: *Oaxaca en la Historia, La Generacion Oaxaquena del 57.*

Schools: Commerce, Jurisprudence, Pharmacy, Medicine, Nursing and Obstetrics, Fine Arts, Architecture.

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DIRECTORS:

School of Commerce: Lic. ALBERTO CANSECO RUIZ.
School of Jurisprudence: Lic. ESTEBAN SILVA Y ESCOBAR.
School of Pharmacy: Dr. ELOY PEREZ DIAZ.
School of Medicine, Nursing and Obstetrics: Dr. MANUEL CANSECO LANDERO.
School of Fine Arts: Lic. JOSE MARIA YANEZ.
School of Architecture: Arq. FRANCISCO CALDERON FLORES.

PROFESSORS:

School of Commerce:
Lic. ALBERTO CANSECO RUIZ.

School of Jurisprudence:
Lic. ESTEBAN SILVA Y ESCOBAR

School of Pharmacy:
DR. ELOY PEREZ DIAZ.

School of Medicine, Nursing and Obstetrics:
ARENAS R. DR. WENCESLAO (Medicine).
GALINDO, DR. FERNANDO (Medicine).
ORTIZ ARMENGOL, DR. FEDERICO (Medicine).

School of Fine Arts:
AGUIRRE ARROYO, MISS ROSALIA (Painting).
DE ARENAS, MRS. COÊCEPCION G., (Music and Singing).
RIOS VALENCIA, VICTOR (Drawing).
YANEZ, LIC. JOSE MARIA (Plastic Arts).

School of Architecture:
CALDERON FLORES, Arq. FRANCISCO (Architecture).
RUIZ CAMINO, Arq. MARTIN (Architecture).
ZAIN, Arq. HASSAN (Architecture).

UNIVERSIDAD AUTONOMA DE PUEBLA

PUEBLA, PUE.

Founded 1937.

Rector: Dr. MANUEL LARA Y PARRA.
Secretary-General: Lic. ISAURO GONZALEZ HENDEZ.
Treasurer: C.P.T. PEDRO SALAZAR BENITEZ.
Director of Biblioteca "Lafragua" and Hemeroteca "Juan N. Troncoso": Prof. FLORENCIO CARRILLO Y ALVAREZ.

DIRECTORS:

Faculty of Medicine: Dr. ROBERTO LARRAGOITI.
Faculty of Odontology: Dr. JESUS LARA Y PARRA.
Faculty of Business Administration: Lic. MANUAL RODRIGUEZ CONCHA.
Faculty of Chemical Engineering: Ing. GUILLERMO CAMARGO.
Faculty of Physics and Mathematics: Ing. JOAQUIN ANCONA ALBERTOS.
Faculty of Nursing and Obstetrics: Dr. ALICIA ARROYO.
Faculty of Law: Lic. PABLO SOLIS CARRILLO.
Faculty of Economics: C.P.T. GUSTAVO RIVERO SALGADO.
Faculty of Civil Engineering: Ing. ENRIQUE ALLENDE.
Faculty of Architecture: Ing. ENRIQUE ESTRADA CUESTRA.
Faculty of Chemistry: Quim. ROBERTO SUAREZ SOTO.
Preparatory School (Day): Lic. MIGUEL MARIN HIRSMANN.
Preparatory School (Evening): Ing. OCTAVIO SANCHEZ JIMENEZ.

UNIVERSIDAD DE QUERÉTARO

AVE. 16 DE SEPTIEMBRE 65, QUERETARO

Founded 1765

Rector: Lic. FERNANDO DÍAZ.
Secretary-General: MANUEL MONTES COLLANTES.

There are Faculties of Law, Engineering, Commerce, Chemistry, Music and Dramatic Art, Fine Arts, schools of Nursing and Midwifery, a Meteorological Institute and Observatory.

Number of staff: 284.
Number of students: 999.

UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

AV. OBREGÓN 64, SAN LUIS POTOSÍ

Founded 1826 as Instituto Científico y Literario.

Rector: Dr. JESUS N. NOYOLA.
Secretary-General: GUILLERMO MEDINA DE LOS SANTOS.

The Library contains 30,000 volumes.
Number of teachers: 180, including 90 professors.
Number of students: 1,500.

DEANS:

Faculty of Medicine: Dr. GUSTAVO FLORES.
Faculty of Law: Lic. MELCHOR VERA.
Faculty of Chemical Sciences: Ing. ANDRÉS ACOSTA.
Faculty of Odontology: Dr. RODOLFO MARTÍNEZ LAVÍN.
Faculty of Engineering: Ing. ALBERTO LÓPEZ ZAMORA.

UNIVERSIDAD DE SINALOA

CULIACAN, SIN.

Founded 1873.

Rector: Dr. FERNANDO URIARTE.
Secretary-General: FRANCISCO GIL LEYVA.
Director of the Museum and Library: RAÚL FRANCO BARREDA.

The University incorporates Faculties of Commerce and Business Administration, Chemistry and Biology, Law and Social Science, Mathematics and Physics, Economics, and a School of Nursing and Midwifery.

UNIVERSIDAD DE SONORA

HERMOSILLO, SONORA

Charter granted 1938; opened and officially inaugurated October 1942.

Rector: Lic. LUIS ENCINAS.
Secretary: Prof. ROSALÍO E. MORENO.
Librarian: FERNANDO PESQUIERA.

The Library contains 6,050 volumes.
Number of students: 1,745 men, 629 women, total 2,374.
Publications: *Anuario, Revista*

DIRECTORS:

Preparatory School: Prof. ERNESTO SALAZAR GIRÓN.
School of Nursing: Dr. ABEL HERNANDEZ AGUIRRE.
School of Agriculture and Cattle-Breeding: ANTONIO MEDINA HAYOS.
Faculty of Commerce and Administration: AGUSTÍN CABALLERO WARIO.
Faculty of Law and Social Sciences: Lic. ALFONSO CASTELLANOS IDIÁQUEZ.
Faculty of Chemistry: GABRIEL CASTAÑEDA TORRES.
Faculty of Engineering: Ing. ARTURO DELGADO.

UNIVERSIDAD "JUAREZ" DE TABASCO

VILLAHERMOSA, TABASCO

Rector: Lic. FERNANDO ALVAREZ V.
Secretary-General: JUAN MALDONADO PEREDA.

UNIVERSIDAD DE TAMAULIPAS

CIUDAD VICTORIA, TAMPS.

Rector: Lic. ROBERTO ELIZONDO VILLEREAL.
Secretary-General: RAÚL GUTIÉRREZ CERDA.

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UNIVERSIDAD VERACRUZANA

JALAPA, VER.

Founded 1944

Rector: Lic. Fernando Salemerón Roiz.
Secretary-General: Lic. Victor Manuel Hernandez Flores.

The University Council is composed of the following members: the Rector and Secretary-General of the University, the Directors of Faculties and Institutes (*ex-officio* members), a Professor from each Faculty (elected member) and a Student from each Faculty (elected member).

Directors:

Faculty of Law (Jalapa): Lic. Rómulo Campillo Reynaud.
Faculty of Commerce (Jalapa): C.P.T. Eloy Pérez Romero.
Faculty of Fine Arts (Jalapa): Prof. Fernando Lomán.
Faculty of Pedagogy (Jalapa): Lic. Carlos M. Vargas.
Faculty of Architecture (Jalapa): Arq. Alberto Mendoza.
Faculty of Odontology (Veracruz): Dr. Moisés Quiroga.
Faculty of Medicine (Veracruz): Dr. Horacio Díaz C.
Faculty of Journalism (Veracruz): Félix de Martínez.
Faculty of Veterinary Medicine (Veracruz): Dr. Jesús Tavizón.
Faculty of Engineering (Veracruz): Ing. Ernesto Domínguez.
Faculty of Chemistry (Orizaba): Manuel Ornelas.
Faculty of Philosophy and Letters (Jalapa): Lic. Fernando Salmerón.
Institute of Anthropology (Jalapa): Arq. Alfonso Medellín Z.
Institute of Sugar Technology (Cosamaloapán): Ing. Justo R. Ojeda.
Institute of Science: Ing. Miguel A. Barbarena.

UNIVERSIDAD DE YUCATAN

APDO. 415, MERIDA, YUC.

Founded 1922.

Rector: Dr. Francisco Repetto Milán.
Secretary-General: Dr. Jaime Orosa Díaz.
Librarian: Dr. Rodolfo Ruz Menéndez.

The Central Library has 16,340 volumes and 6,829 periodicals, reviews, etc. Specialised libraries are attached to the Faculties of Medicine, Jurisprudence, Engineering and Chemistry.

Number of teachers: 148.
Number of students: 2,231.
Publication: *Revista de la Universidad de Yucatán.*

Directors of Faculties and Schools:

Faculty of Medicine: Dr. Pedro Cámara Milán.
A School of Nursing is affiliated to the Faculty.
Faculty of Jurisprudence: Dr. Manuel Evia Cervera.
Faculty of Chemistry: Quím. Farm. Alfredo Ortega Maldonado.
Faculty of Odontology: Dr. Juan H. Villamil Mendoza.
Faculty of Engineering: Ing. Rubén Encalada Alonzo.
Escuela Preparatoria (Pre-University Training College): Dr. Carlos Canto López.

Professors:

Faculty of Medicine:
Aguiar Narváez, Matías (Cardiology).
Basteris Pérez, Jorge (Human Physiology).
Cabañas Rosado, José del C. (Pædiatrics).
Cabrera Rodríguez, Antonio (Ophthalmology; Ear, Nose and Throat).
Camara y Camara, Fernando (Anatomy).
Cámara Milán, Pedro (Surgical Pathology).
Capetillo Losa, Miguel (Physics).
Cardeña Cervantes, Antonio (Medical Chemistry).
Cárdenas Torre, Raúl (Neuropsychiatry).
Casares Rendón, Gustavo (Cancerology).
Castillo Castillo, Pedro (Nutrition).
Cervera Andrade, Alejandro (Pathology, Physiology).
Erosa Barbachano, Arturo (Therapeutics, Physiotherapy. Dietetics).
Escalante Ruz, Felipe (Biochemistry).
Esquivel Fernández, José M. (Introduction to Medicine, Professional Ethics).
Farías Campos, Rubén (Pathological Anatomy).
Góngora Triay, Benjamín J. (Clinical Medicine).
Guzmán Espinosa, Ernesto (Surgical Propædeutics)
Guzmán Espinosa, Fernando (Surgical Pathology).
Lavadores Villanueva, Gaspar (Bacteriology, Parasitology, Forensic Medicine).
Laviada Arrigunaga, Eduardo A. (Human Physiology).
Martínez Repetto, Marcelo (Histology).
Medina Alonzo, Edgardo (Anatomy, Syphilography, Dermatology).
Medina Salazar, Rolando (Anatomy, Technique of Surgery).
Menéndez Mena, Conrado (Hygiene).
Montalvo Escamilla, Raúl (Human Anatomy).
Montes de Oca, Cirilo J. (Radiology).
Montes de Oca, Efraín Miguel (Obstetrics, Embryology).
Peniche Cantón, Andrés (Human Anatomy, Gynæcology).
Pinto Manzanilla, Rafael (Medical and Subtropical Anatomy).
Rosado Cantón, Alberto (Histology, Embryology).
Rosas Aguilar, Alejandro (English).
Urzaiz Rodríguez, Carlos (Neuro-Psychiatry, Obstetrics).
Urzaiz Rodríguez, Eduardo (Neuro-Psychiatry, Obstetrics).
Vallejos Fajardo, Cornelio (Galenic Pharmacy, Materia Medica).

Faculty of Odontology:
Alayola Duarte, Carlos (Operative Dentistry).
Alpizar Pacheco, Enrique (Prosthetic Dentistry).
Ancona Alonzo, Miguel (Prosthetic Dentistry, Orthodontics).
Bolio Monsreal, Edgardo (Physiology, Propædeutics).
Carrillo Alonzo, Miguel (Oral Surgery, Exodontics).
Castillo C., Pedro (Anatomy of Head and Neck).
Erosa Barbachano, Arturo (Pathology, Materia Medica, Pharmacology).
Góngora Triay, Humberto (Medico-Dental Pathology).
Hernández Wolbrie, Roberto (Embryology, Surgical Techniques).
Herrera Castillo, Santiago (English).
López Hernández, Ricardo (Medical Physics).
Luján de P., María Luisa (Dental Anatomy, Dental Pædiatrics, General and Oral Hygiene).
Martinez Repetto, Marcelo (Anæsthetics).
Martínez Carrillo, Mario H. (Prosthetic Dentistry).
Mugarte Chan, Candelaria (Clinical Dentistry).
Ortega Maldonado, Alfredo (Biology).
Ortega Maldonado, Rogerio (Prosthetic Materials).
Romero Campos, Fernando (Human Anatomy).
Trujillo Gómez, María Teresa (Parasitology, Bacteriology, Physical Chemistry).
Urzaiz Jiménez, Fernando (Exodontics, Prosthetic Dentistry).
Villamil Mendoza, Juan H. (Exodontics, Prosthetic Dentistry).

Faculty of Chemistry:
Alcocer A., Ramiro (Botany, Phyto-Histology, Pharmaceutical Chemistry).
Bolio Espinosa, Francisco (Galenic Pharmacy).
Cardeña Cervantes, Antonio (Medical Chemistry).
Cetina Rosado, Raúl (Mathematics).
Escalante Ruz, Felipe (History of Chemistry, Biochemistry).
Méndez Miranda, Alonso (Toxicology, Pharmaceutical Legislation).
Peniche Alcocer, Eloy (Quantitative Analytical Chemistry, Mineralogy, Geology).
Pinto Aranda, Humberto (Bacteriology, Parasitology).
Sansores Manzabilla, Alonso Z. (Pharmaceutical Chemistry, Physiochemistry, Biology).
Tappan Ramírez, Alfredo (English).
Vallejos Fajardo, Cornelio (Industrial Chemistry, Pharmacognosy).
Vega Cervera, Manuel J. (Analytical Chemistry).

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Faculty of Jurisprudence:

ARCUDIA MEDINA, GUSTAVO (Sociology, Psychology).
CANTO LÓPEZ, ALFREDO (Constitutional and Administrative Law).
CANTO LÓPEZ, CARLOS (Penal Procedure).
CANTO ROSAS, FRANCISCO (Labour Law Procedure).
ESQUIVEL MEDINA, HERNÁN (Constitutional Guarantees and *Amparo*).
GALERO GARMA, FRANCISCO (Labour Law).
GARCÍA ESQUIVEL, ERMILO (Logic, Political Economy).
JIMÉNEZ TRAVA, ANTONIO (Introduction to the Study of Law, English).
LÓPEZ RODRÍGUEZ, JOSÉ A. (Civil Procedure, Philosophy of Law).
LÓPEZ RIVAS, NICOLÁS (Civil Law).
MENÉNDEZ MENA, CONRADO (Forensic Medicine).
MOLINA GARCÍA, ALBERTO (Mercantile Law).
ROSADO ESPÍNOLA, HUMBERTO (Penal Law).
SOLÍS AZNAR, PEDRO (International Law).
SOLÍS AZNAR, VICENTE (Agrarian Law).
VALLADO PENICHE, RAÚL (Political Economy, Professional Ethics).
VILLAMIL CASTILLO, FELIPE (Roman Law).

School of Nursing:

GÓNGORA TRIAY, HUMBERTO (Obstetrics, Child Health).
PENICHE CASTELLANOS, ANTONIO (Pathology, Therapeutics, Pharmacology).
VADILLO ACOSTA, MAXIMILIANO (Human Anatomy and Physiology, Hygiene).

COLLEGES

Mexico City

EL COLEGIO DE MEXICO

GUANAJUATO 125, MEXICO 7, D.F.
Telephone: 28- 68- 61

Founded 1939

President: Dr. SILVIO ZAVALA.
Secretary: LUIS MURO ARIAS.
Librarian: Sra. SUSANA URIBE.

Library: 30,000 volumes.
Number of teachers: 14.
Number of students: 54.
Publications: *Nueva Rivista de Filologia Hispanica, Historia Mexicana, Foro Internacional.*

DIRECTORS:

Centre of Historical Studies: Prof. LUIS GONZALEZ GONZALEZ.
Centre of Linguistic and Literary Studies: Prof. ANTONIO ALATORRE.
Centre of International Studies: Lic. MARIO OJEDA GOMEZ.
Centre of Economic and Demographic Studies: Prof. CONSUELO MEYER.
Co-ordination of Oriental Studies: Prof. GRACIELA DE LA LAMA DE GONZALEZ TEJADA.

EL COLEGIO NACIONAL
(The National College)

LUIS GONZÁLEZ OBREGÓN 23
MEXICO 1, D.F.

Founded 1943 by the Government for the dissemination of national culture.

Library of 15,000 volumes.
Number of members: 19.
Publication: *Memoria* (annually).

MEMBERS:

ADEM, Dr. José (Mathematics).
CASO, Dr. ALFONSO (Archæology).
CASTRO LEAL, Dr. ANTONIO (Literature).
CHÁVEZ, CARLOS (Music).
CHÁVEZ, Dr. IGNACIO (Medicine).
COSÍO VILLEGAS, Dr. DANIEL (History).
GARCÍA MÁYNEZ, Dr. EDUARDO (Philosophy).
GÓMEZ ROBLEDO, ANTONIO (Law and Philosophy).
GONZÁLEZ GUZMÁN, Dr. IGNACIO (Medicine).
HARO, Dr. GUILLERMO (Astronomy).
MARTÍNEZ BÁEZ, Dr. MANUEL (Preventive Medicine).
ROSENBLUETH, Dr. ARTURO (Physiology).
SANDOVAL VALLARTA, Dr. MANUEL (Physics).
SILVA HERZOG, Dr. JESÚS (Economics).
TORRES BODET, Dr. JAIME (Literature).
URQUIDI, Sr. VÍCTOR L. (Economics).
VILLAGRAN GARCIA, Arq. JOSÉ (Architecture).
YÁÑEZ, Lic. AGUSTÍN (Literature).
ZAVALA, Dr. SILVIO (History).

ESCUELA NACIONAL DE ANTROPOLOGÍA E HISTORIA
(National School of Anthropology and History)

MONEDA 16, MEXICO CITY

Founded 1937

Director: Dr. PABLO MARTÍNEZ DEL RÍO.
Sub. Director: FELIPE MONTEMAYOR, M.C.
Librarian: ANTONIO POMPA Y POMPA.

The Library contains 200,000 volumes.
Number of teachers: 43 professors.
Number of students: 250.
Publications: *Acta Antropológica, Tlatoani, Anuario,* Theses.

PROFESSORS:

ALOJA, ADA D' (Physical Anthropology).
ARANA, EVANGELINA (Linguistics).
BARBA, BEATRIZ (Ethnology, Archaeology).
BERNAL, IGNACIO (Archæology).
BOSCH GIMPERA, PEDRO (Archæology).
CÁMARA BARBACHANO, FERNANDO (Ethnology).
CARASSO, RAQUEL (Language).
CARRILLO Y GARIEL, ABELARDO (Art).
DAHLGREN, BARBRO (Ethnology).
DÁVALOS HURTADO, EUSEBIO (Physical Anthropology).
DAVILA GARIBI, IGNACIO (Philology).
ESCOTO ZAYAS, ALEJANDRO (Physical Anthropology).
FAULHABER, JOHANNA (Physical Anthropology).
GALVIS, GABRIEL (Psychology).
GARCES, GUILLERMO (Asiatic History).
GARCÍA RUÍZ, ALFONSO (History).
HUACUJA, ARMANDO (Philology).
JIMÉNEZ MORENO, WIGBERTO (Ethnology, History and Philology).
LIZARDI RAMOS, CESAR (Mayan Hieroglyphics).
LORENZO, JOSÉ LUIS (Archæology).
MARGAIN, CARLOS (Archæology).
MARQUINA, IGNACIO (Archæology).
MARTÍNEZ BECERRIL, CARLOS (Mathematics).
MARTÍNEZ DEL RIO, PABLO (Archæology).
MATEOS H., SALVADOR (Archæology).
MIRANDA, JOSÉ (History).
MONTEMAYOR, FELIPE (Statistics).
MUEDRA, CONCEPCIÓN (History).
NOGUERA, EDUARDO (Archæology).
OLIVÉ, JULIO C. (Archæology).
PALAFOX, JOSE (Linguistics).
PIÑA CHÁN, ROMÁN (Archæology).
POZAS, RICARDO (Social Anthropology).
RAMOS CHAO, ENRIQUETA (Ethnology).
ROMANO, ARTURO (Physical Anthropology).
ROMERO, MOISÉS (Linguistics).
ROMERO MOLINA, JAVIER (Physical Anthropology).
SERVIN, JOSÉ (History).
SWADESH, MORRIS (Linguistics).
TORRE, ERNESTO DE LA (History).
VIVÓ, JORGE A. (Ethnology).
WEITLANER, ROBERTO J. (Ethnology and Philology).

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ESCUELA NACIONAL DE INGENIERIA
(National School of Engineering)

CIUDAD DE LA UNIVERSIDAD, MEXICO CITY

Director: Ing. JÁVIER BARROS SIERRA.
Secretaries: Ing. RODOLFO FÉLIX VALDES and Prof. HÉCTOR URIBE MARTÍNEZ.

Number of teachers: 310.
Number of students: 4,200.
Publication: *Ingeniería.*

ESCUELA E INSTITUTO DE SALUBRIDAD
(School of Public Health)

PROL. CARPIO 470, MEXICO CITY

Founded 1920

Graduate Courses in Public Health for doctors, veterinary surgeons, dentists and nurses. Shorter courses for Public Health workers.

Staff: 14 full-time professors and 51 associate professors.
Publication: *Yearbook.*

INSTITUTO NACIONAL DE LA NUTRICION
(National Institute of Nutrition)

CALLE DEL DR. JIMENEZ 261, MEXICO CITY

Founded 1946

Director: Dr. SALVADOR ZUBIRAN.

Number of teachers: 33.
Number of students: 30-40 post-graduate students, 200 medical students.

The Institute receives patients, undertakes scientific investigation and teaching. Publ. *Revista de Investigación Clinica.*

INSTITUTO POLITÉCNICO NACIONAL
(National Polytechnic Institute)

PROLONGACIÓN DE LAURO AGUIRRE Y DE CARPIO, COLONIA SANTO TOMÁS, MEXICO CITY

Founded 1936

Director-General: Ing. JOSE ANTONIO PADILLA SEGURA.
Secretary-General: Dr. GUILLERMO FIGUEROA CARDENAS.
Deputy Director-Technical: Ing. LUIS TORRE HAEDO.
Deputy Director-Administrative: ARMANDO CUSPINERA MAILLARD.

Consists of *escuelas prevocacionales* and *escuelas vocacionales* (providing teaching in general subjects and elementary technical training), *escuelas de capacitación* (providing short courses in technical subjects), and the following professional schools:

Escuela Nacional de Ciencias Biológicas (*National School of Biological Sciences*): f. 1934, inc. 1937; publ. *Boletín.*
Director: Qbp. RENÉ CRAVIOTO BARRERA.
Deputy Director: Bi. ELIESER ZAMARRIPA.

Escuela Superior de Medicina Rural.
Director: Dr. IGNACIO BARRAGAN.
Deputy Director: Dr. TEODORO BAZAN SOSA.

Escuela Superior de Comercio y Administración.
Director: C.P.T. ARMANDO CUSPINERA MAILLARD.
Deputy Director: Prof. IGNACIO CERISOLA SALCIDO.

Escuela Superior de Ingeniería Textil.
Director: Ing. ERNESTO MEJÍA LEÓN.
Deputy Director: Prof. LUIS BALDERAS VARGAS.

Escuela Superior de Ingeniería Química e Industrias Extractivas.
Director: Ing. RAFAEL CHAVEZ.
Deputy Director: Ing. RAYMUNDO GARCIA.

Escuela Superior de Economía.
Director: Lic. JORGE ESPINOSA DE LOS REYES.
Deputy Director: Prof. ALFONSO SUÁREZ CABILDO.

Escuela Superior de Ingeniería Mecánica y Eléctrica.
Director: Ing. MARIO CANABAL AZNAR.
Deputy Director: Ing. LUIS OCADIZ.

Escuela Superior de Ingeniería y Arquitectura.
Director: Ing. Arq. JORGE OJEDA.
Deputy Director: Ing. RAUL ORTIZ FLORES.

Escuela Superior de Física y Matemáticas.
Director: Dr. VÍCTOR FLORES MALDONADO.
Deputy-Director: Ing. ALVAR NOÉ BARRA ZENIL.

Chapingo

ESCUELA NACIONAL DE AGRICULTURA

Founded 1854

Director: Dr. MARCOS RAMIREZ GENEL.
Secretary: Ing. CARLOS MANUEL CASTANOS.
Special courses: Agricultural economics and Industries, Irrigation, Parasitology, Phytotechnics, Forestry, Zootechnics, Soil Science.

The Library contains 80,000 vols.
Number of teachers: 107.
Number of students: 745.

Post-graduate college; f. 1959.
Director: Dr. BASILIO A. ROJAS.
Secretary: MIGUEL MARTINEZ A.
Special Courses: Genetics, Entomology, Phytopathology Soil Science.

Number of teachers: 18.
Number of students: 27.

Monterrey, N.L.

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY
(Institute of Technology and Higher Education)

CARRETERA MEXICO A LAREDO, SUCURSAL DE CORREOS "J"

Telephone: 3-21-60.

Founded 1943

Chairman of the Board: Ing. EUGENIO GARZA SADA.
Rector: Ing. FERNANDO GARCÍA ROEL, M.C.
Director of Finance Commission: Lic. ALFONSO GONZÁLEZ SEGOVIA.
Registrar: Ing. HORACIO GÓMEZ JUNCO, M.C.

The Library contains 80,000 volumes and some 90,000 periodicals.

Number of teachers; 255.
Number of students: 5,500.

Publications: *Boletín de Agronomía* (twice monthly), *Boletín de Química* (twice a year), *Boletín de Relaciones Industriales* (monthly), *Revista de la Escuela de Contabilidad, Economía y Administración* (monthly), *Boletín de Seguridad Industriel* (monthly), *Boletín Tecnico de Administración de Personal* (monthly).

The Institute consists of a Preparatory School providing pre-Institute courses, and Schools of Engineering and

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Sciences, Architecture, Accountancy, Economics and Business Management; a Technical School; a School for Teachers of Languages; a Summer School; a School of Agriculture, and of departments offering miscellaneous courses.

DIRECTORS:

School of Engineering and Sciences: Ing. José Emilio Amores.
School of Accountancy, Economics and Business Management: Lic. Edgardo Reyes Salcido, M.A.
School of Agriculture and Animal Husbandry: Ing. Leonel Robles Gutierrez.
Summer School and Extension Division: Ing. Francisco Mancillas.
Resident Students: Ricardo Camargo.
Preparatory School and School for Teachers of Languages: Ing. Vicente Vasquez Pérez.
Institute of Industrial Research: Ing. Carlos Duhne.
Technical School: Ing. José Maria López Barañano.
School for Teachers: Lic. Alfonso Rubio y Rubio.

HEADS OF DEPARTMENTS:

Library: Lic. Luis Astey V.
Economics: Dr. Giorgio Berni.
Physics: Dr. Rodolfo Castillo.
Asst. to the Director of Resident Students: Juan Certucha Lanuza.
Languages: Santiago Coindreau.
Law: Lic. Sergio F. de la Garza.
Chemistry: Jorge A. Dominguez, Q.B.
Chemical Engineering: Héctor López Ramos, M.C.
Electrical Engineering: Ing. Antonio Elizondo S.
Parasitology and Botany: Dr. Dieter Enkerlin.
Admissions: Ing. Fernando Esquivel Junco.
Administration: Americo Garcia, A.N.
Mechanical Engineering: Ing. Armando Garza Cárdenas.
Accountancy: Rodolfo Montemayor, C.P.
Mathematics: Lic. Humberto Gutiérrez, M.C.
Extra-curricular Activities and Athletics: José Ordoñez.
Architecture: Arq. José Luis Pineda.
Civil Engineering: Ing. Roberto Gomez Junco.
Science for Preparatory School: Ing. Ricardo Treviño Garzo.
Industrial Engineering: Ing. Francisco Vera.
Agricultural Experimental Station: Ing. Sergio Aburto, M.C.

PROFESSORS:

Aburto, Sergio, M.C. (Agronomy).
Aguirre, Jesus (Mathematics).
Alanís, Roberto (Mathematics).
Alforo, Abraham (Humanities).
Alonso y Prieto, Rafael, C.P.T. (Economics).
Alvarado Malo, J. Miguel (Law).
Alvarez, Antonio (Architecture).
Amores, José Emilio (Chemistry).
Astey Vázquez, Luis (Humanities).
Ayala, Ignacio (Industrial Security).
Ayala, Juan (Humanities).
Ayala Villareal, Rodolfo (Electrical Engineering).
Beckley, Edgardo (Mechanical Engineering).
Benavides, Artemio (Humanities).
Berni, Giorgio (Economics).
Bertrand, Elias (Physics).
Betancourt, Rudolfo (Mathematics).
Blomeier, German (Civil Engineering).
Bravo, Roberto V. (Humanities).
Bruner, José (English).
Bures, Esperanza (Mathematics).
Canales, Arnulfo M., Q.F.B. (Chemistry).
Canales, José (Humanities).
Cantu, Abiel J. (Administration).
Cantu, Humberto (Mathematics).
Carrion, Asensio (Accountancy).
Castillo, Félix (Physics).
Castillo Bahena, Rodolfo (Physics).
Chapa, Lauro (Civil Engineering).
Chavez, Hugo (Mathematics).
Coindreau, Santiago (English).
Cortés, Mario (Mathematics).
Crespo, Carlos (Engineering).
Cuervo Reyes, Ernesto (Humanities).
Cuevas, Atanasio (Agronomy).
De Alba, Gabino (Agronomy).
De Hoyos, Tomas (Mathematics).
De la Fuente, Jesus Ma. (Agronomy).
De La Fuente, Saul (Mathematics).
De La Garza, Daniel (Accountancy).
De La Garza, Lazaro (Accountancy).
De la Garza, Sergio F. (Law).
De Valle, Pedro (Electrical Engineering).
Del Bosque, Virgilio (Mechanical Engineering).
Del Carmen de la Garza, Ma. (Accountancy).
Del Hoyo, Eugenio (Humanities).
Del Valle, Francisco (Chemical Engineering).
Del Valle, Jose (Mechanical Engineering).
Diaz, Jose M. (Electronics).
Domínguez, Jorge A., Q.B. (Chemistry).
Doria, Idolisa S.De (English).
Du Solier, Wilfrido (Humanities).
Duhne, Carlos (Chemical Engineering).
Elizondo, Antonio (Electrical Engineering).
Enkerlin, Dieter (Agronomy).
Enriquez, Leonardo (Mathematics).
Esquivel, Fernando (Civil Engineering).
Estevane, Jaime (Electrical Engineering).
Estrada, Andrés (Humanities).
Fernández Garza, Horacio (Mathematics).
Fernandez, Hector (Accountancy).
Fidalgo, Julio (English).
Flores. Armando (Physics).
Flores, Cenobio (Humanities).
Flores Reyes, Isaís (Agronomy).
Franco, Raul (Chemistry).
Fresnillo, Olga (Agronomy).
Gaona, Homero (Agronomy).
García, Carlos (Administration).
Garcia, Octavio (Chemistry).
Garcia, Roberto (Mathematics).
García, Rodolfo G. (Mathematics).
Garcia, Simon (Law).
García Guerra, Américo (Economics).
García Roel, Fernando, M.C. (Chemical Engineering).
Garza Cárdenas, Armando (Mechanical Engineering).
Garza Moreno, Héctor (Law).
Garza Quiros, Fernando (Administration).
Garza, Ramiro (Physics).
Garza Valdivia, Enrique (Mathematics).
Gomez, Horacio (Physics).
Gomez Junco, Horacio (Physics).
Gómez Junco, Roberto (Civil Engineering).
Gomez, Nicolas (Accountancy).
Gonzalez A., Jorge (Administsation).
Gonzalez, Andres (Architecture).
González, Antonio (Physical Training).
Gonzalez, Antonio (Mechanical Engineering).
Gonzalez, Francisco (Mechanical Engineering).
González Irgoyen, Rómulo, C.P.T. (Accountancy).
Gonzalez, Jose (Mechanical Engineering).
González, Olivia, (English).
González, Rogelio (Agronomy).
Gonzalez, Romulo (Accountancy).
González Rosales, Herón, C.P.T. (Accountancy).
González Salinas, Luis Lauro (Accountancy).
Guajardo, Ricardo (Architecture).
Guerra, Antonio (Chemistry).
Guerra, Avelino (Chemical Engineering).
Guerra, Eulalio (Law).
Guevara, José (Mathematics).
Gutierrez, Bertha (Chemistry).
Gutiérrez, Humberto (Mathematics).
Herkommer, Siegfried (Economics).
Hernandez, Armando (Accountancy).
Herrera Cantú, José (Physics).
Hinojosa. Elisabeth K. de (German).
Illuminati, Adrio (Economics).
Keller, Elías (Mechanical Engineering).

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LAMADRID, RAMON (Architecture).
LANDOIS, JORGE (Physics).
LAUBNER, ADOLFO (Sculpture).
LEAL DÍAZ, GRACIELA (Chemistry).
LEAL DÍAZ, JAIME (Agronomy).
LEAL, FELICITOS (Administration).
LEAL TIJERINA, RODRIGO (Accountancy).
LÓPEZ BARAÑANO, JOSÉ MARÍA (Mechanical Engineering).
LÓPEZ GARCÍA, CARLOS (Chemical Engineering).
LOPEZ M., LUIS (Animal Husbandry).
LÓPEZ RAMOS, HECTOR (Chemistry).
MACIAS, MIGUEL ANGEL (Civil Engineering).
MACÍAS S., RAFAEL (Accountancy).
MACGREGOR, ALFONSO (Architecture).
MALDONADO, GUILLERMO (Economics).
MALDONADO, JULIAN (Architecture).
MANCILLAS, FRANCISCO (Mathematics).
MARCOS, EUGENIA C. (French).
MARTÍN CRUZ, AGUSTÍN (Agronomy).
MARTINEZ, AMPERO (English).
MARTINEZ, GERARDO (Architecture).
MARTINEZ, HORACIO (Accountancy).
MARTY, FERNANDO (Economics).
MATHIEU, JEAN (Agronomy).
MENDIBURU, IRVING (Mechanical Engineering).
MENENDEZ, AQUILES (Humanities).
MONTAÑO, JESUS (Law).
MONTEJANO, JESÚS (Humanities).
MONTEMAYOR, RODOLFO (Accountancy).
MORALES, DANIEL (Agronomy).
MORONES, GREGORIO (Physics).
NAVARRO CORONA, RAFAEL (Physical Training).
NAVARRO, JORGE MARIO (Mathematics).
ORDOÑEZ, ARTURO (Civil Engineering).
OROZCO, FRANCISCO (Mechanical Engineering).
ORTEGA, ALFONSO (Physical Education).
ORTEGA, MARIA DEL R. (Languages).
ORTEGÓN, DELIA (Chemistry).
ORTIZ GIL, GARLOS (Humanities).
ORTIZ Q., CARLOS (Humanities).
OSTREWISCH, TADEO (Administration).
PAZ, HECTOR, Mathematics).
PÉREZ C., GUSTAVO (Architecture).
PÉREZ PAGOLA, GABINO (Mechanical Engineering).
PINEDA, JOSÉ LUIS (Architecture).
PLANCARTE, GUSTAVO (Accountancy).
POLO, MANUEL (Mechanical Engineering).
PORTILLA, VICTOR (Industrial Engineering).
PUERTAS, JOSÉ LUIS, (Agronomy).
PUGGIONI, MARIA LUISA (Architecture).
QUILEZ ARAQUE, PABLO (Civil Engineering).
QUIROGA, HECTOR (Civil Engineering).
RAZON, IGNACIO (Economics).
REITER, ADALBERTO (Chemistry).
RENDÓN, OMAR (Physical Training).
REYES, JULIO (Animal Husbandry).
REYES, PEDRO (Agronomy).
REYES SALCIDO, EDGARDO (Administration).
REYES VELÁZQUEZ, PEDRO (Humanities).
REYNA, RAUL (Mathematics).
RICHKARDAY, HECTOR (Mechanical Engineering).
RIVERA C., ENRIQUE (Agronomy).
ROBLES GIL, ALBERTO (Civil Engineering).
ROBLES GUTIÉRREZ, LEONEL, (Agronomy).
RODRIGUEZ, FEDERICO (Mechanical Engineering).
RODRIGUEZ, FEDERICO A. (Physics).
RODRIGUEZ, SALVADOR (Mathematics).
RODRÍGUEZ NORIEGA, ARMANDO (Physics).
RODRÍGUEZ VIZCARRA, MANUEL (Architecture).
ROJAS, MANUEL (Agronomy).
ROJAS, PAULINO (Agronomy).
ROLDÁN, RAMIRO (Mechanical Engineering).
ROMERO, GUILLERMO (Chemistry).
RUBIO Y RUBIO, ALFONSO (Humanities).
SAENZ, VICENTE (Humanities).
SANCHEZ, ALFONSO (Mechanical Engineering).
SANDOVAL, RODOLFO (Accountancy).
SALINAS, MARIANO (Chemistry).
SÁNCHEZ CORDERO, CARLOS (Economics).
SEPÚLVEDA, JUBER (Civil Engineering).
SORIANO, ALBERTO (Physics).
TAMEZ, MANUEL (Mechanical Engineering).
TORRES, ETHELVINA (Humanities).
TORRES, FRANCISCO (Mechanical Engineering).
TREVINO, FRANCISCO (Accountancy).
TREVIÑO GARZA, RICARDO (Physics).
TREVIÑO, JORGE R. (Law).
TREVINO, RODOLFO (Civil Engineering).
TRUJILLO, ABELARDO G. (Physics).
URETA, ERNESTO (Chemistry).
URQUIZA, MANUEL (Chemical Engineering).
VALDES, ALFONSO (Physical Education).
VALDES, MANUEL (Mechanical Engineering).
VALDÉS, MARTÍN (Mathematics).
VARELA, RENE (Administration).
VALDES, MAURICIO (Law).
VÁZQUEZ PÉREZ, VICENTE (Physics).
VERA, FRANCISCO E. (Administration).
VERA, RICARDO (Mechanical Engineering).
VILLALOBOS, LUIS (English).
VILLAREAL, FIDEL (Chemistry).
VILLARREAL, JAIME (Architecture).
VILLARREAL, LUIS. (Sociology).
VILLAREAL, SARA R. DE (English).
VIZCAYA, ISIDRO (Humanities).
VON NACHER, GIANCARLO (Humanities).
WARNEROS, AGUSTIN (Humanities).
ZAMUDIO, CONCEPCIÓN (English).
ZÁRATE, HERÁN (Mechanical Engineering).
ZÚNIGA NÁJERA, RAÚL (Architecture).

Tuxtla Gutiérrez, Chiapas

INSTITUTO DE CIENCIAS Y ARTES DE CHIAPAS

2ª AVDA. SUR Y 5ª ORIENTE

Founded 1944.

Rector: Prof. FROYLÁN ESQUINCA E.

Library of 4,000 vols.
Publication: *Revista I.C.A.C.H.*

The Institute incorporates Departments of Commerce and Business Administration, Nursing, Pharmacy, Law and Fine Arts.

SCHOOLS OF ART AND MUSIC

Mexico City

Escuela Nacional de Bellas Artes (*National Academy of Fine Arts*): Academia 22; sculptures and paintings by Mexican and foreign artists.

Escuela Nacional de Artes Plásticas (*National School of Plastic Arts*): Academia 22; f. 1781; courses in painting, sculpture, engraving and commercial art; number of professors 109, number of students 750; the library has 20,000 vols.; Dir. ROBERTO GARIBAY; publs. *Revista de Artes Plásticas* (Plastic Arts Review) (quarterly).

Escuela Nacional de Música (*National Academy of Music*): Dir. Prof. RÁMON SERRATOS.

Morelia

Escuela de Bellas Artes (*Universidad Michoacana de San Nicolás de Hidalgo*): Guillermo Prieto 87; Dir. Prof. ALFREDO ZALCE.

Veracruz

Academia de Música "Ricardo Castro": attached to the University of Veracruz; Dir. Prof. IDELFONSO MOREN.

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MONGOLIAN PEOPLE'S REPUBLIC

Population 936,900

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Academy of Sciences of the Mongolian People's Republic: Ulan-Bator; f. 1921; directs all scientific research work of the country and carries out practical research in agriculture, animal breeding, economy, geography, geology, natural history, and in the history, language and literature of the Mongolian people. The Committee maintains agricultural experimental stations, a hydrometeorological service, seismological stations, and an astronomical observatory. The Committee took part in the International Geophysical Year. Pres. Academician B. SHIRENDYB. The Committee directs the following associations:

Economic Institute: departments of rural economy and economic planning.

History Institute: Dir. SH. NATSAGDORJ.

Union of Mongolian Writers: First Sec. S. UDVAL.

Union of Scientific Workers of Mongolia.

The State Public Library.

Central State Experimental Plant-breeding and Crop Production Station: Dzunkharin.

Central State Fruit and Berry Station: Shamar.

Party Research Institute of Central Committee, Mongolian People's Revolutionary Party: Ulan Bator; studies in party history.

LIBRARY

State Archives: Ulan-Bator.

State Public Library (*Committee of Sciences of the M.P.R.*): Ulan-Bator; f. 1921; 1,000,000 vols in Mongolian, Manchurian, Chinese, Tibetan, Russian, English, German, French, and other languages; rare editions including "Danjour", Buddhist Encyclopædia of 220 vols.; ancient Mongolian books; exchange system with libraries in Asia, Europe and America; Dir. DANZAN; publ. *Bibliographies*.

MUSEUMS

State Museum: Ulan-Bator; natural history, history, art, and archæology collections; Gobi desert dinosaur eggs and skeletons.

Museum of Religion: Ulan-Bator; housed in a former Lamasery; collection includes many Lamaic relics.

Revolutionary Museum: Ulan-Bator; the collection illustrates the history and achievement of Communist Mongolia.

Sukhe-Bator and Choibalsan Museum: Ulan-Bator; the museum is devoted to the lives of the two revolutionary leaders after whom it is named.

Ulan-Bator Museum: devoted to the history of the town and its re-construction.

UNIVERSITY AND COLLEGES

UNIVERSITY OF ULAN-BATOR

(Choibalsan University)

ULAN-BATOR

Founded 1942

Rector: N. SODOM.

FACULTIES:

Natural Sciences, with sections of physics, mathematics, biology, chemistry and geography.

History and Linguistics, with sections of history, Mongolian language and literature, Russian, English, Manchurian, and Chinese.

Economic Sciences.

Medicine and Veterinary Medicine.

Post-graduate.

Number of teachers: over 200 (40 professors).

Number of students: 2,500.

Pedagogical Institute: Ulan-Bator; all branches of study; 900 students.

Agricultural Institute: Ulan-Bator; Zoology, Veterinary Medicine, Agronomy; 1,560 students.

Sukhe Bator Higher Party School: Ulan-Bator; four-year courses to graduate party functionaries and executives for agriculture, industry and government organisations.

Institute of Economics: Ulan-Bator; evening studies.

University of Marxism-Leninism: Ulan-Bator; evening classes.

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MOROCCO

Population 11,598,070

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: 288 Avenue Mohammed V, B.P. 427, Rabat; Rep. R. J. HILTON, O.B.E.

Centre d'Etudes et d'Information Economiques et Sociales (CEDIES): 25 rue Dupleix, Casablanca.

Centro Cultural Español: 8 rue Capitaine Allardet, Rabat.

Comité National de Géographie du Maroc: Institut Scientifique Chérifien, Rabat; f. 1947; 12 sections; Pres. M. LE MINISTRE DE L'EDUCATION NATIONALE; Sec. G. MAURER; publ. *Atlas du Maroc.*

Goethe Institut: 3 Boul. Mohammad V, Casablanca; Dir. Dr. HELMUT GRUNICKE; 10 rue Djebli, Rabat; Dir. Dr. WOLFGANG VOLLMER.

Institut de Physique du Globe et de Météorologie: 2 rue de Foucauld, Casablanca; research on meteorology, seismology, terrestrial magnetism, surge, etc.

Institut Pasteur: Tangier; f. 1912; Dir. Dr. ROBERT NEEL; Asst. Dir. Dr. JEAN VINCENT; publ. *Memoirs.*

Institut Scientifique Chérifien: Avenue Moulay-Cherif, Rabat; f. 1920 for the practical study of nature; the Institute has a collection of animals and an herbarium in its building at Rabat, as well as petrographic and palæontological collections; the Station de Biologie at Ifrane (Moyen Atlas), the Station de Recherches Présahariennes at Aouinet Torkoz (Dra), and the Observatory at Ber-Rechid also belong to the Institute; 32 mems.; publ. *Travaux.*

Director: J. B. PANOUSIE.
Secretary: (Vacant).
Librarian: C. DE GAILECHE.

STAFF:

Cryptogamy: G. MALENÇON.
Entomology: L. KOCHER.
Geography: G. MAURER.
Geology: A. FAURE-MURET.
Meteorology: (Vacant).
Oceanography: (Vacant).
Palæontology: E. ENNOUCHI.
Phanerogamy: J. MATHEZ.
Zoology: J. B. PANOUSSE and B. GIROT.

ATTACHED INSTITUTES:

Station de Recherches présahariennes: Aouinet-Torkoz.

Station Météorologique de Montagne: Ifrane.

Instituto Español en Tanger (*Spanish Institute in Tangier*): Tangier; Dir. VALENTIN GARCIA YEBRA.

Mission Universitaire et Culturelle Française au Maroc (*French University and Cultural Mission in Morocco*): rue Michaux-Bellaire, Rabat; examination courses, cultural and artistic visits and exhibitions, lectures; libraries Rabat, Casablanca and other large towns; Dir. M. POUGET; 38,000 students.

Observatoire de Séismologie Averroes: Berrechid.

Société de Géographie du Maroc (*Université de Rabat*): Rabat; f. 1916; 500 mems.; Pres. MOHAMED DIOURI; publ. *Revue de Géographie du Maroc* (twice yearly).

Société de Préhistoire du Maroc: Syndicat d'Initiative; Bld. de la Gare, Casablanca; f. 1926; Pres. M. BOUDY, Sec.-Gen. M. ANTOINE; publ. *Bulletin* (bi-annually).

Société des Sciences Naturelles et Physiques du Maroc: Institut Scientifique Chérifien, Rabat; f. 1921; 544 mems.; Pres. A. GUESSOUS; Sec.-Gen. J. PANOUSE; publs. *Mémoires, Bulletins, Comptes-rendus, Variétés scientifiques, Travaux de la Section de Pédologie.*

Société d'Etudes Economiques, Sociales et Statistiques du Maroc: Recette Postale, Rabat.

Société d'Horticulture et d'Acclimatation du Maroc: P.O. Box 854, Casablanca; f. 1914; 1,240 mems.; Pres. M. THILLAYE DU BOULLAY; Sec. URVOY; publ. *Bulletin* (quarterly).

Station de Biologie: Ifrane.

Station d'Etude et d'Enregistrement de la Houle (*Station for the Study and Measurement of Earth Tremors*): Casabalanca (Ain Diab).

U.S. Information Centers:
6 rue Branly, Casablanca.
Salaj, No. 15, Batha, Fez.
43 Ave. de l'Allal. B. Abdellah, Rabat.
37 Boulevard Pasteur, Tangier.

LIBRARIES AND ARCHIVES

Casablanca

Bibliothèque Municipale: Avenue Général-d'Amade.

Fez

Al Qarawiyin University Library: contains about 1,600 ancient and precious MSS. of famous Muslim teachers and thinkers.

Rabat

Bibliothèque Générale et Archives: avenue Moulay Cherif, Rabat; f. 1920; 180,000 vols., 9,361 MSS.; 12 brs.; Dir. SI ABDULLAH REGRAGUI.

Bibliothèque de L'Institut Scientifique Chérifien: Avenue Moulay Cherif; f. 1920; 25,000 vols., 1,151 periodicals; Librarian C. DE GAILECHE.

Tangier

Biblioteca Pública Española: Consulado General de España, 26 Avenida de España, Tangier; f. 1941; the library is divided into Arabic and European Sections; 20,000 vols.; Dir. and Librarian F. DE A. CUEVAS.

Tetuán

The official libraries and archives are governed by the **Directorate of Archives and Libraries,** Carretera de Tanger, Tetuán; Dir. AHMAD MUHAMMAD MEKINASSI.

Archivo Fotográfico: f. 1948; 45,000 photographs.

Archivo General: f. 1943; 4,000 vols. of administrative documents.

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Archivo Histórico: f. 1945; 20,000 Arab documents.

Biblioteca General: f. 1939; 55,000 vols., including 1,000 Arab MSS.

Hemeroteca (*Newspaper Library*): f. 1939; 4,700 vols.

Oficina de Distribución e Intercambio de Publicaciones (*Office for the Distribution and Exchange of Publications*): Tetuán; f. 1953.

MUSEUMS

Archæological Museum: Tetuán; f. 1940; prehistoric, Carthaginian, Roman and Islamic collections; Curator Ahmad Mekinassi.

Direction des Musées du Maroc: Direction Générale des Beaux Arts et du Tourisme, Rabat; Dir. Mlle. Naima Khatib; Administers the following museums:

Museé des Oudaia: Rabat.

Musée Louis Chatelain: Rabat.

Musée dar Batha, Fez.

Musée de la Kasbah: Tanger.

Musée dar Jamai: Meknes.

Musée dar Si Said: Marrakech.

Musée de la Menara: Marrakech.

Musée des Arts et du Folklore: Tetuan.

Musée des Antiquités: Tetuan.

Musée Louis Chatelain: 13 Pierre Parent, Rabat; f. 1917; prehistoric and Roman exhibits; annexes at Tetuan (Musée Archéologique), Tanger (Musée Michaux Bellaire); Dir. J. Boube.

UNIVERSITIES

UNIVERSITÉ MOHAMMED V

AVENUE MOULAY CHERIF, RABAT

(Annexes at Casablanca, Fez and Tetuán)

Founded 1957

Rector: S. E. Mohammed El Fasi.

Vice-Rector: Dr. Farraj.

Secretary-General: Ahmed Lakhdar.

Librarian: Mlle Rabia Mouden.

Deans:

Faculty of Law: D. Veaux.

Faculty of Letters: Mr. Lahbabi.

Faculty of Science: Jean Deschamps.

Faculty of Medicine: (Vacant).

Faculty of Engineering (*Mohammedia Engineering School*): Dir. Driss Amor.

Professors:

Faculty of Law:

French Section:

Lambert (Political Economy).
Lescuyer (International Institutions).
Matringe (History of Political Ideas).
Moret (Political Economy).
Veaux (Civil Law).
Veaux, Mme. (Commercial and Penal Law).

Faculty of Letters:

French Section:

Eusenant, M. (Ancient History).
Miece, J.-J. (Modern History).
Uanez, F. (Spanish).

Arab Section:

Abbadi, A. M. (Medieval History).
Awad, H. (Geography).
Bahbiti, M. A. (Literature).
Balabi, N. (Philosophy).
Ech Charif el Kettani (Philology).
Hachem, H. (Philosophy).
Hassan, I. H. (Medieval History and Moslem Civilisation).
Taki Eddine el Hilali (Philosophy).
Trabuishi, A. (Philosophy).
Yahia Jalal ed Dine, M. (Modern History).

Faculty of Science:

Arzelies, H. (Physics).
Deschamps, J. (Chemistry).
Ennouchi, E. (Geology).
Faure-Muret, Mlle. (Geology).
Mettetal, C. (Animal Biology).
Pambrun-Vincent, Mme. (Animal Biology).
Pannouse, J.-B. (Animal Biology).
Pariaud, J.-C. (Chemistry).
Pasqualini, L. (Mathematics).
Riss, J. (Mathematics).

Faculty of Medicine:

Beavieux (Histo-embryology).
Caix (Histo-embryology).
Stoll (Anatomy).

Faculty of Medicine: Annexe at Casablanca:

Gernez-Rieux (Hygiene).
Heuilly (Legal Medicine).
Quilichine (Pharmacology).
Traissac (Therapeutics).

Faculty of Engineering:

Number of teachers: 52.

Attached Institutes:

Institute of Sociology: f. 1960.
Director: Wakili Mohammed.

Centre Universitaire de la Recherche Scientifique: f. 1962.
Director: Nacer El Fassi.

UNIVERSITÉ BEN YOUSSEF DE MARRAKECH

CITÉ UNIVERSITAIRE, MARRAKECH

Traditional Islamic studies.

AL QARAWIYIN UNIVERSITY

FEZ

Founded 859 A.D., enlarged in 11th century.

Traditional studies in Islamic Law and Theology and Arabic Literature.

Rector: J. Jawad Skali.

Vice-Rector and Dean of the Women's Department: Ahmed Lahbabi.

Section de Muqrieen (Masters of the Koran): Mohamed Medouar (Director).

Professors:

Allal El Fassi.
Ben Abdeslam Tahiri.
Larbi Shami.
Lahbib El Mahaji.

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COLLEGES

ECOLE DES BEAUX-ARTS
BOULEVARD RACHIDI, CASABLANCA

Arranges courses in painting, sculpture, architecture, drawing and decoration. All the courses include studies in the history of art, anatomy and mathematics.

Director: MAURICE ARAMA.

Ecole Marocaine d'Administration: Rabat; Dir. ANDRÉ ADAM.

Escuela de Artes Marroquíes (*School of Native Arts and Crafts*). Tetuán; f. 1921; textiles, carpets, rugs, ceramics, engraving plaster inlays, woodwork, precious metal work, leather and Arabic woodcarving; 200 mems.; Dir. MOHAMMED M. SERGHINI; Sec. JOAQUÍN VENERO; administers the following:

Escuela Preparatoria de Bellas Artes: drawing, painting, sculpture, decorative arts.

INSTITUTO MULEY EL-HASAN
(de Investigaciones Marroquíes)
AV. MOHAMMED V (CIUDAD ESCOLAR), APDO. 84, TETUÁN

Object: research on Hispano-Musulman works.

Moroccan Director: MOHAMMED BEN TAUÍT.
Spanish Assistant Director: MARIANO ARRIBAS PALAU.
Resident Librarian: MUSTAFA BEN MOHAMMED CHAACHOO.
Secretary: (Vacant).

The library contains 3,500 vols. in the Arabic Section and 1,850 vols. in the European Section.

Escuela Española de Comercio en Tanger (*Spanish Commercial School in Tangier*): Tangier; Dir. VALENTÍN YEBRA.

Ecole Nationale d'Agriculture: nr. Meknes; f. 1951; Moroccan, French, Spanish, Algerian and Tunisian students; postgraduate studies; 20 teachers and 100 students.

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NEPAL

Population 9,500,000

LIBRARIES

American Library: Katmandu.
Bir Library: Ranipolhari, Katmandu (about 15,000 MSS).
British Library: "Adza Shar," King's Road, Katmandu.
Central Library: Lal Darbar, Katmandu.
Indian Library: Katmandu.
National Library: Katmandu.
Singh Darbar: Secretariat Library, Katmandu.

MUSEUM

Nepal Museum: Chhaunni, Katmandu; Dir. Shri Ramesh Thapa.

UNIVERSITY

TRIBHUBANA UNIVERSITY
(University of Nepal)
KIRTIPUR, NEPAL

Founded 1958

Chancellor: H.M. King Mahendra.
Pro-Chancellor: H.M. The Queen Mother Iswan Rajya Laxmi.
Vice-Chancellor: Shri Randhir Subha.
Registrar: Shri Jagat Bahadur Budathoki.
Chairman of Statutes and Drafting Committee: Bhairab Bahadur Pradhan.
Faculties: Arts, Science, Law.

COLLEGES

All Colleges excepting the Sanskrit Mahavidyalaya and the College of Education are affiliated to the Patna University, Bihar, India. The Sanskrit Mahavidyalaya is, affiliated to the Sanskrit Mahavidyalaya, Varanasi (Benares), India and the College of Education is independent.

TRI-CHANDRA COLLEGE
Ranipokhari, Katmandu

Founded 1918

Principal: Shri Pharendra Prasad Lohani.
Departments of Arts, Science and Commerce.

DARBAR COLLEGE
Tahachal, Katmandu

Founded 1951

Principal: Shri Bhairab Bahadur Pradhan.
B.A. courses in Arts.

PADMA KANYA COLLEGE FOR WOMEN
Dillibazar, Katmandu

Principal: Pandit Tirtha Prasad.
Graduate courses in Arts.

SANSKRIT MAHAVIDYALAYA
Putali Sadak, Katmandu

Principal: Pandit Somanath.

NEPAL NATIONAL COLLEGE
Ranipokhari, Katmandu

Principal: Shri Shanker Dev Pant.

NEPAL LAW COLLEGE
Ranipokhari, Katmandu

Principal: Shri Ram Raj Pant.

PUBLIC SCIENCE COLLEGE
Thamail, Lainchour, Katmandu

Principal: Prof. A. P. Pradhan.

SHRI THAKUR RAM COLLEGE
Birgunj

DHANKUTA COLLEGE
Dhankuta

MORANG COLLEGE
Biratnagar

SHRI MAHENDRA COLLEGE
Dharan

SHRI MAHENDRA COLLEGE
Bindesuri, Rajbiraj

TRIBHUWAN COLLEGE
Tansen, Palpa

MORANG SCIENCE COLLEGE
Dhankuta

PUBLIC COMMERCE COLLEGE
Ranipokhari, Katmandu

COLLEGE OF EDUCATION
Lazimpat, Katmandu

Principal: Shri Trilokya Nath Upreti.
(A Teachers' Training College with centres at Katmandu, Pokhra, Birgunj, Baitadi (Patan), Dharan, Palpa (Tansen), Salyan, Ilam.)

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THE NETHERLANDS

Population 11,721,416

LEARNED SOCIETIES

Koninklijke Nederlandse Akademie van Wetenschappen (*Royal Netherlands Academy of Sciences*): Amsterdam, Kloveniersburgwal 29 (Trippenhuis); f. 1808; reorganised in 1851; re-formed as above 1855; publs. *Jaarboek, Akademiedagen, Rapporten, Proceedings of the Section of Sciences, Series A, B and C, Indagationes Mathematicae, Verslag van de Gewone Vergaderingen der Afdeling Natuurkunde, Verhandelingen Eerste en Tweede Reeks der Afdeling Natuurkunde, Mededelingen der Afdeling Letterkunde, Verhandelingen der Afdeling Letterkunde.*

General President: Prof. B. A. VAN GRONINGEN.

Secretary-General: Prof. Dr. CAROLINA H. MACGILLAVRY.

Section for Mathematics and Natural Sciences:

President: C. J. GORTER.

Secretary: Prof. Dr. CAROLINA H. MACGILLAVRY.

Section for Philology, History and Philosophy:

President: Prof. Dr. B. A. VAN GRONINGEN.

Secretary: Prof. H. DOOYEWEERD.

Managing Director: M. E. 't HART.

Librarian: J. F. BOSCH.

Section for Mathematics and Natural Sciences:

ORDINARY MEMBERS:

	Elected		Elected
J. H. OORT	1937	E. HUIZINGA	1953
J. H. DE BOER	1940	J. POPKEN	1954
H. G. BUNGENBERG DE JONG	1946	J. RIDDER	1954
A. HEYTING	1946	W. P. A. VAN LAMMEREN	1955
H. BOSCHMA	1946	B. G. ZIEDSES DES PLANTES	1955
H. B. G. CASIMIR	1946	E. HAVINGA	1956
C. J. GORTER	1946	H. C. VAN DE HULST	1956
V. J. KONINGSBERGER	1946	W. SCHERMERHORN	1956
R. KRONIG	1946	N. G. DE BRUIJN	1957
PH. H. KUENEN	1946	P. M. ENDT	1957
M. G. J. MINNAERT	1946	A. W. H. VAN HERK	1957
CHR. P. RAVEN	1946	H. A. MEYLING	1957
P. J. GAILLARD	1947	G. P. BAERENDS	1958
H. W. JULIUS	1947	W. BLEEKER	1958
C. J. VAN DER KLAAUW	1947	F. S. P. VAN BUCHEM	1958
H. RINIA	1947	C. H. EDELMAN	1958
J. TH. THIJSSE	1948	S. R. DE GROOT	1958
J. JONGBLOED	1949	J. A. A. KETELAAR	1958
E. J. W. VERWEY	1949	J. LANJOUW	1958
J. VERWEY	1949	A. J. P. OORT	1958
H. ZANSTRA	1949	H. G. K. WESTENBRINK	1958
L. D. EERLAND	1950	W. T. KOITER	1959
S. E. DE JONGH	1950	H. J. VANDER MAAS	1959
H. D. KLOOSTERMAN	1950	A. VAN WIJNGAARDEN	1959
G. H. R. VON KOENIGSWALD	1950	J. F. ARENS	1960
J. F. KOKSMA	1950	C. J. BOUWKAMP	1960
CAROLINA H. MACGILLAVRY	1950	J. H. P. JONXIS	1960
H. C. RÜMKE	1950	J. P. MAZURE	1960
S. J. WELLENSIEK	1950	G. W. RATHENAU	1960
R. BRINKMAN	1951	B. D. H. TELLEGEN	1960
H. FREUDENTHAL	1951	A. C. ZAANEN	1960
H. P. BERLAGE	1952	J. F. SCHOUTEN	1961
L. D. BRONGERSMA	1952	A. E. VAN ARKEL	1962
W. G. BURGERS	1952	M. A. DONK	1962
J. DE BOER	1953	D. DURRER	1962
J. TH. G. OVERBEEK	1953	L. U. DE SITTER	1962
		J. D. VERLINDE	1962

In addition there are 8 Members abroad, 28 Emeriti, 30 Corresponding and 40 Foreign Members.

Section for Philology, Literature, History and Philosophy:

ORDINARY MEMBERS:

	Elected		Elected
B. A. VAN GRONINGEN	1935	TH. C. VRIEZEN	1953
F. L. R. SASSEN	1936	W. J. M. A. ASSELBERGS	1954
J. H. THIEL	1938	G. M. VERRIJN STUART	1954
R. P. CLEVERINGA	1946	A. MAARTJE E. DRAAK	1955
R. R. POST	1946	S. DRESDEN	1955
J. TINBERGEN	1946	W. J. W. KOSTER	1955
C. C. BERG	1947	L. J. ROGIER	1955
P. J. VAN WINTER	1947	J. GONDA	1957
H. DOOYEWEERD	1948	H. VAN DE WAAL	1957
F. B. J. KUIPER	1948	P. HENNIPMAN	1958
C. F. P. STUTTERHEIM	1948	M. J. LANGEVELD	1958
J. N. BAKHUIZEN VAN DEN BRINK	1950	J. P. M. VAN DER PLOEG	1958
S. J. FOCKEMA ANDREAE	1950	P. POLMAN	1958
S. HOFSTRA	1950	W. A. P. SMIT	1958
M. W. HOLTROP	1950	J. H. BEEKHUIS	1959
G. E. LANGEMEIJER	1950	J. C. BRANDT CORSTIUS	1959
F. G. L. VAN DER MEER	1950	C. C. DE BRUIN	1959
W. P. J. POMPE	1950	R. J. FORBES	1959
J. H. WASZINK	1950	W. GLASBERGEN	1959
J. G. VAN GELDER	1951	R. HOOYKAAS	1959
E. W. HOFSTEE	1951	J. C. KAMERBEEK	1959
W. C. VAN UNNIK	1951	C. H. EMILIE HASPELS	1960
G. H. BLANKEN	1952	F. R. KRAUS	1960
G. C. BERKOUWER	1953	B. H. SLICHER VAN BATH	1960
E. W. BETH	1953	A. J. P. TAMMES	1960
M. DAVID	1953	G. I. LIEFTINCK	1961
J. P. KRUIJT	1953	H. E. REESER	1961
		J. F. NIERMEYER	1962

There are also 2 Members abroad, 29 Emeriti, 30 Corresponding and 40 Foreign Members.

ANTHROPOLOGY

Nederlands Genootschap voor Anthropologie (*Netherlands Anthropological Society*): Amsterdam, Mauritskade 63; 225 mems.; sub-divided into two sections: *Cultural Anthropology* and *Physical Anthropology*; Pres. and Chair. of Physical Anthropology Section Dr. P. F. J. A. JULIEN; Chair. Cultural Anthropology Section Prof. Dr. H. TH. FISCHER; Sec. O. A. S. GORISSEN.

ARCHÆOLOGY

Koninklijk Oudheidkundig Genootschap (*Royal Antiquarian Society*): Amsterdam, Rijksmuseum; f. 1858; possesses a collection of applied art (furniture, silver, sculpture, etc.), paintings, objects of historical value, prints and drawings concerning the topography of Amsterdam, manners and customs of the Netherlands, coins, medals, books; 500 mems.; 5,000 vols.; Pres. Jhr. Ir. SIX VAN WIMMENUM; Vice-Pres. Prof. Dr. J. Q. VAN REGTEREN ALTENA; Sec. MARJORIE H. BOTTENHEIM, A. M. VAN DE WAAL; Treas. H. P. RAHUSEN; Curators Jkvr. H. M. A. F. SIX, Mr. P. VAN EEGHEN; publ. *Jaarverslagen* (illustrated annual reports).

Monumentenraad (*Council for Monuments*): The Hague, Stadhoudersplantsoen 7; f. 1961; 31 mems.; Pres. S. P. BARON BENTINCK; Sec. R. HOTKE; publs. *Voorlopige Lijst, Geillustreerde beschrijving der Nederlandse monumenten, Kunstreisboek voor Nederland.*

Rijksdienst voor de Monumentenzorg (*State Service for the Care of Monuments*): The Hague, Stadhoudersplantsoen 7; f. 1918, re-formed 1946; Dir. R. HOTKE.

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ARCHITECTURE

Academie van Bouwkunst (*Academy for Architecture*): Amsterdam, Waterlooplein 67; f. 1908; Pres. Arch. Ir. K. F. G. SPRUIT; Sec. Arch. H. KNYTYSER.

Genootschap Architectura et Amicitia (A. et A.): Amsterdam, Waterlooplein 67; f. 1855; 300 mems.; Chair. Ir. F. SEVENHUYSEN; Sec. Arch. Dic. SLEBOS; publ. *Forum* (monthly).

Koninklijke Maatschappij tot Bevordering der Bouwkunst Bond van Nederlandsche Architecten (B.N.A.) (*Royal Society for the Advancement of Architecture, Union of Netherlands Architects*): Amsterdam, 102 Weteringschans; f. 1842; 1,170 mems.; Chair. Ir. H. LAMMERS; Sec. Ir. F. W. DE VLAMING; Dir. Dr. M. P. VAN DER LINDEN; publ. *Bouwkundig Weekblad* (architectural review).

ART

Bond Heemschut (*Society for the Preservation of Cultural and Natural Beauty in the Netherlands*): Amsterdam-O., Oosterpark 22; f. 1911; mems.: 267 societies and 2,714 individual mems.; Chair. ARN. J. D'AILLY, LL.D.; Hon. Sec. TON KOOT; Treas. H. TER MEULEN, LL.D.; Sec. L. L. H. ROEST; 11 Provincial sub-Cttees.; publ. *Heemschut* (illustrated bi-monthly).

Goed Wonen, Stichting ter bevordering van de Wooncultuur in Nederland (*Goed Wonen, Foundation for the improvement of living in the Netherlands*): Amsterdam, Leidsestaat 5; Dir. J. S. LUITING and Mrs. J. WIBAUT.

Maatschappij "Arti et Amicitiae": Amsterdam, Rokin 112; a national society of painters and sculptors; f. 1839; 270 mems.; library of 6,000 vols.; Pres. GEURT BRINKGREVE; Hon. Sec. K. HEYNSIUS; Treas. A. P. VAN MEVER.

Pulchri Studio: The Hague, Lange Voorhout 15; f. 1847; Society of Painters, Sculptors and Engravers, Exhibition of Fine Arts; 180 mems.; Chair. WIBBO HARTMAN; Sec. J. P. VOGELPOEL.

Rijksakademie van Beeldende Kunsten (*State Academy of Fine Arts*): Amsterdam, Stadhouderskade 86; f. 1653; Dir. Prof. Dr. N. R. A. VROOM.

Rijksbureau voor Kunsthistorische Documentatie (*Netherlands Institute for Art History*): The Hague, 7 Korte Vijverberg; f. 1930; 100,000 vols. and catalogues, 500,000 photos and reproductions; Dir. Dr. H. GERSON; publs. *Annual Report, Bulletin, Bibliography, Iconographic Index, Répertoire des Catalogues de Ventes.*

Vereeniging "Sint Lucas" (*St. Luke Assen.*): Amsterdam, Zomerdijk-straat 20; f. 1880; Chair. BART PEIZEL; Sec. THEO SWAGEMAKERS.

BIOLOGY

Koninklijke Nederlandse Botanische Vereniging (*Royal Netherlands Botanical Society*): Amsterdam; f. 1845; 800 mems.; Pres. Prof. Dr. W. K. H. KARSTENS; Hon. 1st Sec. Dr. V. WESTHOFF, Koninginnelaan 3, Driebergen; publs. *Acta Botanica Neerlandica, Wentia, Flora Neerlandica.*

Koninklijk Zoölogisch Genootschap "Natura Artis Magistra" (*Royal Zoological Society*): Amsterdam, Plantage Kerklaan 40; f. 1838; Dir. Dr. E. F. JACOBI; Dep. Dir. J. W. OVERGOOR; Curator W. G. PELT; publ. *Bijdragen tot de Dierkunde, Artis* (bi-monthly).

Nederlandsche Entomologische Vereeniging (*Netherlands Entomological Society*): Amsterdam; f. 1845; approx. 450 mems.; Pres. Dr. J. VAN DER VECHT; Sec. G. L. VAN EYNDHOVEN, Amsterdam, Zeeburgerdijk 21; publs. *Tijdschrift voor Entomologie, Entomologische Berichten, Entomologia Experimentalis et Applicata.*

Nederlandse Vereniging voor Parasitologie (*Netherlands Society for Parasitology*): Biltstraat 172, Utrecht; f. 1962; 95 mems.; Pres. Prof. Dr. P. H. VAN THIEL; Sec. Dr. J. JANSEN; Treas. H. J. OVER.

CHEMISTRY

Koninklijke Nederlandse Chemische Vereniging (*Royal Netherlands Chemical Society*): The Hague, Burnierstraat 1; f. 1903; 5,600 mems.; Pres. Prof. Dr. P. M. HEERTJES; Sec. Dr. W. F. HAAK; publs. *Chemisch Weekblad* (weekly), *Recueil des travaux chimiques des Pays-Bas* (monthly), *Chemisch Jaarboekje* (annual).

ECONOMICS

Nederlandsch Economisch Instituut (*Netherlands Economics Institute*): Nederlandsche Economische Hoogeschool, Pieter de Hoochweg 118, Rotterdam.

EDUCATION

Netherlands Institute of Industrial Education: Zeist; Dir. Prof. B. C. J. LIEVEGOED; Dep. Dir. Dr. J. H. KRAAK.

GEOGRAPHY, GEOLOGY

Koninklijk Nederlandsch Aardrijkskundig Genootschap (*Royal Netherlands Geographical Society*): Amsterdam, O., Linnæusstraat 2A, Kamer 145; f. 1873; Pres. Prof. Dr. J. P. BAKKER; Sec. J. H. BROEKMAN; 1,200 mems.; library contains 20,000 vols.; publ. *Tijdschrift van het Koninklijk Nederlandsch Aardrijkskundig Genootschap* (*T.A.G.*) (quarterly).

Koninklijk Nederlands Geologisch Mijnbouwkundig Genootschap (*Royal Netherlands Geological and Mining Society*): The Hague, Assenbelftstraat 53; f. 1912; Pres. Prof. Ir. H. J. DE WIJS; Sec. Ir. J. H. BELTMAN; Mining Section: Pres. Ir. R. HAVERSCHMIDT; Sec. Ir. J. K. H. JORDAANS; Geological Section: Pres Prof. Dr. H. J. MAC GILLAVRY; Sec. Drs. H. M. HARSVELDT; publs. *Geologie en Mijnbouw* (monthly), *Verhandelingen* (Memoirs).

Nederlandse Vereniging voor Economische en Sociale Geografie (*Netherlands Assen. for Economic and Social Geography*): Rotterdam, Pieter de Hoochweg 122; f. 1909; Pres. Dr. W. A. F. STOKHUYZEN; Sec. Drs. H. KUIPERS, Pieter de Hoochweg 122, Rotterdam 6; publ. *Tijdschrift voor Economische en Sociale Geografie* (monthly).

HISTORY

Historisch Genootschap (*Historical Assen.*): Utrecht, Wittevrouwenstraat 11; f. 1845; 720 mems.; Pres. Prof. Dr. C. D. J. BRANDT; Sec. Prof. Dr. J. H. KERNKAMP, Bilthoven, Rubenslaan 56; publs. *Werken, Bijdragen en Mededelingen en Verslagen.*

Historisch Genootschap "de Maze" (*Historical Association "De Maze"*): Rotterdam; f. 1934; 100 mems.; Chair. W. F. LICHTENAUER; Hon. Sec. R. A. D. RENTING, Rijsoord, Rijksstraatweg 72.

Vereniging "Gelre": Arnhem, Marktstraat 1; f. 1899; historical society of the province Gelderland; publs. *Bijdragen en Mededelingen, Werken.*

INTERNATIONAL CULTURE

British Council, The: Keizersgracht 343, Amsterdam; Rep. E. T. H. PAGET, O.B.E.; incorporates the British Library of 23,000 vols.; Rep. H. G. WAYMENT.

Goethe Institut: Amsterdam; Dir. M. F. E. VAN BRUGGEN.

Institut Français: Maison Descartes, Museumplein 11, Amsterdam.

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Internationaal Instituut voor Sociale Geschiedenis (*International Institute for Social History*): Amsterdam, Keizersgracht 264; f. 1934; library of 320,000 vols.; Dir. Prof. Dr. A. J. C. Rüter; Librarian Miss M. Hunink.

Istituto Italiano di Cultura: Mauritskade 21, The Hague; Dir. Prof. Alessandro de Masi.

Koninklijk Instituut voor de Tropen (*Royal Tropical Institute*): Amsterdam, Mauritskade 63; f. 1910; 1,600 mems.; 60,000 vols.; Pres. Prof. Dr. V. J. Koningsberger; Gen. Sec. Dr. C. Nagtegaal; Librarian J. B. van Hall; publs. *Jaarverslag* (annual report), *Driemaandelijks Periodiek* (quarterly periodical), *Tropical Abstracts* (monthly), *Mededelingen van de Afdeling Tropische Producten* (Transactions of the Tropical Products' Department), *Berichten van de Afdeling Tropische Producten* (Bulletins of the Tropical Products' Department), *Mededelingen van de Afdeling Culturele en Physische Anthropologie* (Transactions of the Department of Cultural and Physical Anthropology), *Tropical and Geographical Medicine* (quarterly), *Landen Documentatie* (monthly documentations on tropical countries) and occasional publications.

Koninklijk Instituut voor Taal-, Land- en Volkenkunde (*Royal Institute for Linguistics, Geography and Ethnology*): The Hague, van Galenstraat 14; f. 1851; 480 mems.; Pres. Prof. Dr. E. M. Uhlenbeck; Sec. Dr. P. Voorhoeve; publs. *Bijdragen* (quarterly), *Verhandelingen, Werken.*

Netherlands-America Institute: Museumplein 4, Amsterdam; library of 10,000 vols.

Netherlands Universities Foundation for International Co-operation: The Hague, Noordeinde Palace, Molenstraat 27; f. 1952 by the Netherlands universities to promote international co-operation in the academic and scientific field; administers summer courses and post-graduate international courses; Hon. Chair. H.R.H. The Prince of the Netherlands; Chair. Prof. J. Th. Thijsse; Dirs. Prof. E. de Vries, H. G. Quik; publ. *Higher Education and Research in the Netherlands* (a quarterly bulletin with English, French, Spanish and German editions.)

U.S. Information Center: Lange Voorhout 102, The Hague.

Law

International Law Association (Netherlands Branch): f. 1910; Pres. Prof. Dr. J. P. A. François; Hon. Sec. Prof. Dr. M. Bos, Utrecht, Janskerkhof 16.

Volkenrechtelijk Instituut (*International Law Institute*): Utrecht University, Janskerkhof 16; Dir. Prof. Dr. M Bos.

Literature, Philology

Maatschappij der Nederlandse Letterkunde (*Society of Netherlands Literature*): Leiden, Rapenburg 62; 1,050 mems.; Chair. Dr. T. K. H. Kossmann; Sec. Dr. J. J. Mak; publ. *Tijdschrift voor Nederlandse Taal-en Letterkunde* (annual), *Jaarboek der Maatschappij, Leidse en Zwolse Drukken en Herdrukken, Bibliotheek der Nederlandse Letteren.*

Nederlandsche Vereeniging voor Druk- en Boekkunst (*Netherlands Society for the Art of Printing and Book-production*): Haarlem, Bestevaerstr. 10; f. 1938; 300 mems.; Chair. Dr. G. W. Ovink; Sec. F. Mayer; Treas. P. A. Dijkema; publs. *Mededelingen* (irregular) and books.

Netherlands Centre of the International P.E.N.: Arnhem, Jan Tooroplaan 17; f. 1923; 273 mems.; Pres. Willem Brandt; Sec. Jan H. de Groot.

Vereeniging Het Nederlands Philologen-Congres (*Philological Assen.*): The Hague, Van Alkemadelaan 598; f. 1919; 700 mems.; Pres. Prof. Dr. G. J. Enk; Sec. Dr. L. J. Guittart; publ. *Handelingen* (every two years).

Mathematics

Wiskundig Genootschap (*Mathematical Society*): Amsterdam C.; Library: Singel 421; f. 1778; approx. 480 mems.; library containing journals of physics and mathematics; Pres. Prof. Dr. F. van der Blij; Sec. Dr. J. G. Dijkman, Gedempte Oude Gracht 121, Haarlem; Treas. Prof. Dr. F. Loonstra; librarian Prof. Dr. J. F. Koksma; publ. *Nieuw Archief voor Wiskunde* (three times a year), *Wiskundige Opgaven* (annually).

Medicine

Algemene Nederlandse Vereniging voor Sociale Geneeskunde (*General Netherlands Society for Social Medicine and Public Health*): Rotterdam, 's-Gravenweg 51; f. 1930; approx. 1,400 mems.; Sec. Dr. F. Doeleman, M.D.; publ. *Tijdschrift voor Sociale Geneeskunde.*

Genootschap tot bevordering van Natuur- Genees- en Heelkunde (*Assen. for Advancement of Natural, Medical and Surgical Sciences*): Amsterdam, Amstel 165; f. 1790; Pres. Prof. Dr. H. Gerding; Sec. Prof. Dr. T. Y. Kingma Boltjes; publ. *Werken.*

Koninklijke Nederlandsche Maatschappij tot Bevordering der Geneeskunst (*Royal Netherlands Assen. for Advancement of Medicine*): Amsterdam, Keizersgracht 327; f. 1849; 11,500 mems.; Pres. C. L. van Woelderen, M.D.; Sec. G. Dekker, M.D.; publ. *Medisch Contact* (weekly).

Koninklijke Nederlandse Maatschappij ter bevordering der Pharmacie (*Royal Netherlands Assen. for Advancement of Pharmacy*): The Hague, Alexanderstraat 11; f. 1842; approx. 1,115 mems.; Pres. H. A. A. J. Martens; Sec. G. Beudeker; publ. *Pharmaceutisch Weekblad.*

Nederlandse Vereniging voor Psychiatrie en Neurologie (*Netherlands Assen. for Psychiatry and Neurology*): Den Dolder, Willem Arntsz Hoeve; f. 1872; 700 mems.; Pres. Prof. Dr. W. G. Sillevis Smitt; Sec. Prof. Dr. A. Poslavsky; publ. *Folia Psychiatrica, Neurologia et Neurochirurgia Neerlandia.*

Nederlandsche Vereeniging voor Tropische Geneeskunde (*Netherlands Society of Tropical Medicine*): f. 1907; 220 mems.; Chair. Dr. A. Bonebakker; Sec. Dr. W. de Loos, P.O.B. 874, Rotterdam.

Nederlands Medisch Nautisch Genootschap (*Netherlands Medical Nautical Society*): f. 1961; 60 mems.; Chair. Dr. F. E. J. Bouricius; Hon. Sec. Dr. S. Oderkerk, Amsteldijk 75h, Amsterdam.

Music

Koninklijke Nederlandsche Toonkunstenaars-vereeniging (*Royal Netherlands Assen. of Musicians*): Amsterdam, Vondelstraat 66; f. 1875; 1,782 mems.; Chair. Prof. Dr. K. Ph. Bernet Kempers; Sec. Nico Dekker; publ. *Orgaan der K.N.T.V.* (ten issues yearly).

Maatschappij tot Bevordering der Toonkunst (*Society for Advancement of Music*): Amsterdam, Johannes Verhulststraat 74; f. 1829; 6,000 mems.; library contains 30,000 vols.; Chair. Prof. Dr. Ed. Reeser; Sec. Wouter Paap; publ. *Toonkunst-Nieuws.*

Nederlandse Toonkunstenaarsraad (*Council of all Organisations of Musicians in the Netherlands*): Amsterdam, Staalstraat 19; object: to protect professional interests; 3,205 mems.; Chair. N. J. C. M. Kappeyne van de Coppello; Sec. Prof. Dr. Jos. Smits van Waesberghe; publ. *A Musical Guide for Holland* (triennial).

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Wagnervereeniging (*Wagner Society*): Amsterdam, Honthorst str. 10; f. 1883; 1,200 mems.; Chair. J. M. HONIG; Sec. EVERT CORNELIS.

PHILOSOPHY

Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte (*Experimental Philosophical Assen.*): Rotterdam, P.O. Box 597; f. 1769; Pres. Ir. A. C. VAN WIJK; Sec. Ir. A. HAVINGA.

SCIENCE

Hollandsche Maatschappij der Wetenschappen (*Netherlands Association of Sciences*): Spaarne 17, Haarlem; f. 1752; 100 mems.; furthering contact between scientists and laymen by arranging lectures on scientific subjects and awarding annual prizes and subsidies for research and publication of scientific work; Pres. Dr. J. E. BARON DE VAS VAN STEENWIJK; Sec. Prof. Dr. R. J. FORBES.

Thijmgenootschap (Vereniging tot het Bevorderen van de Boefening der Wetenschap onder Katholieken in Nederland) (*Catholic Scientific Association in the Netherlands*): van Slichtenhorststraat 101, Nijmegen; f. 1904; sections in Law, Medicine, Science, Literature and Philosophy, Economics, Psychology, Sociology, Pedagogy and Theology; Pres. Prof. br. A. G. M. VAN MELSEN; publ. *Annalen van het Thijmgenootschap* (quarterly); Chief Editor Prof. Dr. J. H. TERLINGEN, Nijmegen.

STATISTICS

Centraal Bureau voor de Statistiek (*Central Bureau of Statistics*): The Hague, Oostduinlaan 2; f. 1899; Dir. Prof. Dr. PH. J. IDENBURG; publs. *Maandschrift van het Centraal Bureau voor de Statistiek* (Monthly Bulletin of the Netherlands Central Bureau of Statistics), *Jaarcijfers voor Nederland* (Statistical Yearbook of the Netherlands), *Statistisch zakboek* (Pocket Yearbook), *Statistical Studies* (contains English translations of reports on methodology and of other articles of interest to readers abroad and international organisations).

TECHNOLOGY

Koninklijk Instituut van Ingenieurs (*Royal Inst. of Engineers*): The Hague, Prinsessegracht 23; f. 1847; 8,250 mems.; Pres. Jr. G. A. TUYLL SCHUITEMAKER; Vice-Pres. Dr. L. NEHER, Jr. A. G. MARIS; Sec.-Gen. Ir. J. LIGTHART; publs. *De Ingenieur* (weekly paper), various reports.

RESEARCH INSTITUTES

SCIENCE (APPLIED)

Nederlandse Centrale Organisatie T.N.O. (*Central Organisation for Applied Scientific Research in the Netherlands T.N.O.*): The Hague, P.O. Box 297, Koningskade 12; f. 1930 to ensure that applied scientific research is put at the service of the community in the most efficient manner possible; four branch organisations have been established (*see below*): the Central Organisation acts as a co-ordinating body and executes work in fields where no specialised organisation exists; the Board is appointed by the Crown from nominations submitted, half by the Royal Academy of Sciences and half by the Social and Economic Council; total staff approx. 3,200; Pres. Prof. Dr. H. W. JULIUS; Gen. Sec. Drs. H. G. ROEBERSEN; Librarian H. H. R. ROELOFS HEYRMANS; publs. *T.N.O.-Nieuws* (monthly), *Report* (annual). The Central Organisation T.N.O. groups 11 research institutes, departments and committees, including the following:

Nationale Raad voor Landbouwkundig Onderzoek T.N.O. (*National Council for Agricultural Research T.N.O.*): The Hague P.O. Box 2 — Koningskade 12; f. 1957; Pres. Ir. J. W. WELLEN; Sec. Ir. G. WANSINK; co-ordinates 34 institutes and research departments.

Nijverheidsorganisatie T.N.O. (*Organisation for Industrial Research T.N.O.*): The Hague, P.O. Box 297, Koningskade 12; f. 1934; groups 26 institutes and research departments; Pres. Prof. Ir. L. TROOST; Sec. Drs. E. C. HAGEMAN.

Voedingsorganisatie T.N.O. (*Organisation for Nutrition and Food Research T.N.O.*): The Hague, P.O. Box 297, Koningskade 12; f. 1940; Pres. Dr. M. VAN EEKELEN; Asst. Sec. E. J. MEIS; groups 4 research institutes.

Rijksverdedigingsorganisatie T.N.O. (*National Defence Research Organisation T.N.O.*): The Hague, Wassenaarseweg 22; f. 1946; groups 5 laboratories and research institutes; Pres. Prof. Dr. G. J. SIZOO; Sec. P. F. TANJA.

Gezondheidsorganisatie T.N.O. (*Organisation for Health Research T.N.O.*): The Hague, P.O. Box 297, Koningskade 12; f. 1949; includes 8 research institutes and departments; Pres. Prof. Dr. J. W. TESCH; Sec. Drs. F. H. J. ESSENSTAM.

SCIENCE (PURE)

Nederlandse Organisatie voor Zuiver-Wetenschappelijk Onderzoek (Z.W.O.) (*Netherlands Organisation for the Advancement of Pure Research*): Lange Voorhout 60, The Hague; f. 1950; aims to promote pure scientific research in the universities and "hogescholen", to co-ordinate this research by all expedient means, particularly by awarding grants, to promote applied scientific research in the field of the humanities and social sciences; Pres. Prof. Dr. J. N. BAKHUIZEN VAN DEN BRINK; Dir. J. H. BANNIER.

AGRICULTURE, BOTANY, HORTICULTURE

Afdeling Droogtechnisch Laboratorium (*Institute for Storage and Processing of Agricultural Products*): Wageningen, Bornsesteeg 59, Postbus 18; Dir. Ir. P. WIERTSEMA; Sec. J. H. CATTERMOLEN; Heads of Divisions: Technology J. KREYGER, Agriculture Ir. H. SPARENBERG, Laboratory Ir. G. W. WIERINGA.

Botanische Laboratoria en Hortus Botanicus (*Botanical Institutes and Botanic Gardens*). **Hugo de Vries Laboratorium voor Bijzondere Plantkunde en Genetica:** Amsterdam C, Plantage Middenlaan 2A; f. 1876; library of 15,000 vols.; Dir. Prof. Dr. A. D. MEEUSE. **Laboratorium voor Algemene Plantkunde, Plantenphysiologie en Pharmacognosie:** Amsterdam C, Plantage Middenlaan 2; Dir. Prof. Dr. A. W. H. VAN HERK. At same address: **Hortus Botanicus:** Dir. Prof. Dr. A. W. H. VAN HERK; Garden Keeper J. VERSCHUUR. All are attached to the University of Amsterdam.

Botanisch Laboratorium: Groningen, Grote Rozenstraat 31; f. 1874; laboratory for plant physiology; Dir. Prof. Dr. M. VAN RAALTE; laboratory for systematical botany, Dir. Prof. Dr. R. V.D. WIJK.

Hortus Botanicus: Groningen; f. 1642; Hortus de Wolf, Haren; f. 1929; Horticulturist C. M. VERLOOP.

Instituut voor Bewaring en Verwerking van Tuinbouwproducten (*Institute for Research on Storage and Processing of Horticultural Produce*): Wageningen, Haagsteeg 6, Postbus 17; Dir. Ir. T. VAN HIELE.

Instituut voor Bewaring en Verwerking van Landbouwprodukten (*Institute for Storage and Processing of Agricultural Products*): Wageningen, Bornsesteeg 59; f. 1956; Dir. Ir. P. WIERTSEMA.

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Instituut voor Biologisch en Scheikundig Onderzoek van Landbouwgewassen (*Institute for Biological and Chemical Research on Field Crops and Herbage*); Wageningen, Bornsesteeg 65; f. 1956; Dir. Prof. Dr. T. G. J. VERVELDE.

Instituut voor Landbouwtechniek en Rationalisatie (*Institute of Agricultural Engineering and Rationalization*) Wageningen, Dr. S.L. Mansholtlaan 12; f. 1949; Dir. Ir. H. H. POSTUMA.

Instituut voor Plantenziektenkundig Onderzoek I.P.O. (*Institite of Phytopathological Research*): Wageningen, Binnenhaven 12; Dir. Dr. J. G. TEN HOUTEN.

Instituut voor Tuinbouwtechniek (*Institute of Horticultural Engineering*); Wageningen, Dr. L.S. Mansholtlaan 10; f. 1944; Dir. Dr. Ir. E. W. B. v. d. MUIJZENBERG.

Instituut voor de Veredeling van Tuinbouwgewassen (*Institute of Horticultural Plant-Breeding*): Wageningen, Dr. S. L. Mansholtlaan 15; f. 1936-1943; Dir. Dr. O. BANGA.

Internationaal Instituut voor Landaanwinning en cultuurtechniek (*International Institute for Land Reclamation and Improvement*): 15 Prinses Marijkeweg, P.O. Box 45, Wageningen; f. 1956; collects and disseminates information about land reclamation and land improvement, promotes and conducts applied scientific research into the reclamation or improvement of land; Dir. J. M. VAN STAVEREN, M.SC.; publs. *Publication* series, *Bulletin* series, *Bibliography* series, *Annual Report*.

Nederlands Agronomisch-Historisch Instituut (*Institute for Agricultural History*): Groningen, Grote Markt, 26; f. 1949; Dir. Dr. L. S. MEIHUIZEN; Governing Body: Prof. Dr. P. J. VAN WINTER, Prof. F. F. X. CERUTTI, N. G. ADDENS; to advance the study of and to facilitate scientific research in agricultural history by maintaining an Institute at Groningen University and an international library; publ. *Historia Agriculturae* (yearly), containing international bibliography of agriculture, history and original documents.

Plantenziektenkundige Dienst (*Plant Protection Service*): Wageningen, Geertjesweg 15; Dir. Dr. C. J. BRIEJÈR.

Proefstation voor de Akker- en Weidebouw (*Research and Advisory Institute for Field Crop and Grassland Husbandry*): Wageningen, Bornsesteeg 45; f. 1956; Dir. Ir. J. H. VOORBURG.

Rijksherbarium (*National Herbarium*): Leiden, Nonnensteeg 1; f. 1829; investigation of the flora (taxonomy. geography), particularly of the Netherlands and the Far East; library contains 18,200 vols., over 1,000 periodicals; Dir. Dr. C. G. G. J. VAN STEENIS (Phanerog., plant-geogr.); Scientific Staff: Dr. S. J. VAN OOSTSTROOM (Phanerog.), Dr. Miss J. TH. KOSTER (Algae), Dr. R. A. MAAS GEESTERANUS (Lichens, Fungi), Dr. R. C. BAKHUIZEN VAN DEN BRINK (Phanerog.), J. H. KERN (Phanerog.), C. KALKMAN (Phanerog.), W. VINK (Phanerog.), Dr. M. A. DONK (Fungi), C. BAS (Fungi), TH. J. REICHGELT (Phanerog.), Dr. H. O. SLEUMER (Phanerog.), W. A. VAN HEEL (anat. taxon.), CH. VAN DEN HOEK (Algae), Dr. C. DEN HARTOG (Phanerog., waterpl.), A. TOUW (mosses), Dr. DING HOU, Dr. P. W. LEENHOUTS, M. JACOBS (all Phanerog.); Hon. Collaborators Dr. J. TH. HENRARD, Dr. J. L. VAN SOEST (all Phanerog.), H. S. C. HUYSMAN (Fungi), P. GROENHART (Lichens), CH. MONOD DE FROIDEVILLE (Gram.), Dr. J. HEIMANS (Algae); publs. *Blumea* (general), *Persoonia* (Mycology), *Gorteria* (Netherl. flora), *Flora Malesiana* (Phanerog., ferns), *Flora Malesiana Bulletin*.

Instituut voor Rassenonderzoek van Landbouwgewassen (*Institute for Research on Varieties of Field Crops*): Wageningen, Post Box No. 32; f. 1942; Dir. Ir. J. K. GROENEWOLT.

Rijksproefstation voor Zaadcontrole (*State Seed-Testing Station*): Wageningen, Binnenhaven 1; Dir. Dr. Ir. A. F. SCHOOREL.

Stichting voor Bodemkartering (*Soil Survey Institute*): Wageningen, Bennekom, Postbus 10, Bovenweg 7; f. 1945; Dir. Dr. Ir. F. W. G. PIJLS.

Stichting voor de Nederlandse Vlasteelt en Vlasbewerking (*Foundation for Growing and Processing of Flax in the Netherlands*): Wageningen, Bornsesteeg 57; Agricultural Advisory Officer for Fibre Crops Ir. J. C. FRIEDERICH.

Stichting voor Plantenveredeling (S.V.P.) (*Foundation for Agricultural Plant Breeding*): Wageningen, Nude 66; Dir. Dr. F. E. NIJDAM.

GEOLOGY

Geologische Stichting (*Geological Foundation*): Haarlem Spaarne 17; f. 1903; consists of: (*a*) Geologische Dienst (*Geological Survey*); (*b*) Geologisch Bureau voor het Mijngebied (*Geological Bureau for the Mining Region*), Heerlen, Akerstr. 86-88; Dir. Dr. A. A. THIADENS; publs. geological maps and memoirs.

Geologisch Bureau voor het Mijngebied (*Geological Bureau for the Mining District*): Annex: Museum; Heerlen, Akerstraat 86-88; f. 1924; Dir. Dr. A. A. THIADENS; publs. annual reports, memoirs.

Geologisch en Mineralogisch Instituut der Rijksuniversiteit (*Geological and Mineralogical Institute of the State University*): Leiden, Garenmarkt 1B; f. 1878; 2,300 vols. in library; Dir. Prof. Dr. L. U. DE SITTER; publ. *Leidse Geologische Mededelingen* (annual).

MARINE BIOLOGY

Nederlands Instituut voor Onderzoek der Zee (*Netherlands Institute for Sea Research, formerly Zoological Station*): Buitenhaven 27, Den Helder; f. 1872; furtherance of marine study; exploitation of the Institute; a laboratory for purely scientific marine research; aquarium; 400 mems.; Dir. of the Institute Dr. J. VERWEY; Scientific Staff: J. W. DE BLOK, Dr. F. CREUTZBERG, A. DRAL, Dr. E. K. DUURSMA, M. FONDS, Dr. H. POSTMA, Dr. J. WESTENBERG; publs. *Tijdschrift der Nederlandse Dierkundige Verenignig* (*1872-1933*), *Archives Néerlandaises de Zoologie* (14 vols., 1934 to date), *Fauna en Flora der Zuiderzee* (3 vols., 1932, 1936, 1954), *De Biologie der Zuiderzee tijdens haar drooglegging* (6 issues, 1929-1944), *Netherlands Journal of Sea Research* (1961 to date).

Rijksinstituut voor Visserijonderzoek (*Netherlands Institute for Fishery Research*): Ijmuiden, Haringkade 1; f. 1888; biological, chemical, and hydrographical fishery investigations; Dir. Prof. Dr. P. KORRINGA.

MATHEMATICS, METEOROLOGY, ASTRONOMY

Mathematisch Centrum: Amsterdam O, 2e Boerhaavestraat 49; f. 1946; Consulting Cttee. 74 mems.; Scientific Staff 40 mems.; four sections: (1) Pure Mathematics (Prof. J. DE GROOT); (2) Applied Mathematics (Prof. Dr. H. A. LAUWERIER); (3) Mathematical Statistics (Prof. Dr. J. HEMELRIJK); (4) Computation (Prof. Dr. Ir. A. VAN WIJNGAARDEN); library of 5,500 vols., 250 periodicals; Pres. Board of Trustees: Prof. Dr. Ir. C. B. BIERZENS; Dirs. Prof. Dr. A. VAN WIJNGAARDEN (Chair.), Prof. Dr. J. F. KOKSMA, Prof. Dr. J. HEMELRIJK, Prof. Dr. J. DE GROOT; publs. reports, *scripta*, etc.

Koninklijk Nederlandsch Meteorologisch Instituut (*Royal Netherlands Meteorological Institute*): De Bilt; f. 1849; meteorology, climatology, oceanography, seismology. magnetism. geophysics; Dir.-in-Chief Ir. C J. WARNERS; publs. *Jaarboek A. Meteorologie, Jaarboek B.*

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Aardmagmetisme, seismic records, upper-air data, *Mededelingen en Verhandelingen*, and many papers on the above-mentioned subjects.

Branch Offices: (1) Amsterdam, O. Handelskade 1A; f. 1881; Dir. A. A. FRESCO. (2) Rotterdam, Rivierstraat 12; f. 1889; Dir. J. J. STEENSMA. These offices issue daily weather charts, adjust compasses, test nautical and meteorological instruments, correct charts, pilots, etc., give information concerning meteorological and oceanographic subjects; library.

Sterrenwacht van Utrecht (*Utrecht Observatory*): "Sonnenborgh" University of Utrecht, Zonnenburg 2, Utrecht; f. 1853; Dir. Prof. C. DE JAGER; studies in solar physics, variable stars, stellar atmospheres, radio-astronomy, space research; publ. *Recherches de l'Observatoire d'Utrecht*, and reprints.

MEDICINE

Vereniging Het Nederlands Kankerinstituut (*Netherlands Institute for Cancer Research*): Amsterdam, Sarphatistraat 106-108; f. 1913; Patron H.K.H. JULIANA, Queen of the Netherlands; Pres. Prof. Dr. L. B. W. JONGKEES; Sec. J. H. DE BUSSY; publ. *Jaarboek van Kankeronderzoek en Kankerbestrijding in Nederland* (Yearbook of Cancer Research and Fight against Cancer in the Netherlands).

NUCLEAR SCIENCE

Stichting Fundamenteel Onderzoek der Materie — FOM (*Foundation for Fundamental Research on Matter*): Lucas Bolwerk 4, Utrecht; Man. Dir. Dr. A. A. BOUMANS.

Instituut voor Kernphysisch Onderzoek (*Institute for Nuclear Physics Research*): Oosterringdijk 18, Amsterdam-O.; Dir. Dr. R. VAN LIESHOUT. The Institute is equipped with a 30 MeV synchro-cyclotron for fundamental nuclear research and a 14 MeV neutron generator. A 50 MeV linear electron accelerator is under construction.

Reactor Centrum Nederland — RCN (*Netherlands Reactor Centre*): Scheveningseweg 112, The Hague; f. 1955; Chair. Dr. E. L. KRAMER; Dirs. Drs. W. REYSEGER, Ir. J. PELSER, Prof. Dr. J. A. GOEDKOOP; Chair. Scientific Advisory Council Prof. Dr. J. H. DE BOER.

The RCN organises and finances applied nuclear research. It was founded with the participation of fifty industrial companies as well as of the Netherlands Government. The main research centre has been established at Petten. Apart from the high-flux material testing reactor and a low-flux reactor, there are a number of laboratories for chemistry, metallurgy and physics. The research programme includes designing and preparing sub-critical and critical experiments, research in the field of fuel cycles and nuclear ship propulsion. RCN organises specialised post-graduate courses, research on isotopes, and a technical documentation centre. It employs a staff of 700, including 120 scientists; publs. *Atoomenergie en haar toepassingen* (monthly).

SOCIOLOGY

Institute of Social Studies: The Hague, Molenstraat 27; f. 1952 by the joint universities of the Netherlands; research and courses in (*a*) National Development (Diploma) and Social Sciences (Master's degree); (*b*) Public Administration (Master's degree); (*c*) Public Administration (Diploma); (*d*) Social Welfare Policy and Child and Youth Welfare Policy (Diploma); Economic Planning and National Accounting (Diploma); (*f*) Statistics (Diploma); (*g*) Comprehensive Planning (Diploma); (*h*) Advanced Research (Predoctoral Examination); Rector Prof. E. DE. VRIES; Dep. Rector Prof. J. P. THIJSSE; Sec. F. W. HONDIUS.

ARCHIVES

Algemeen Rijksarchief te s'Gravenhage (*General State Archives*): The Hague, Bleyenburg 7; f. 1802; 30 kilometres of archives; library of 20,000 vols.; Dir. H. HARDENBERG; Archivists A. VAN DER POEST CLEMENT; B. VAN 'T HOFF; Administrator J. W. MOERMAN, Librarian J. A. BETTINK.

Archief der Gemeente Leeuwarden en Stedelijke Bibliotheek (*Archives of the City of Leeuwarden, Municipal Library and Art Collection*): Leeuwarden, Raadhuis; f. 1838; works (incl. MSS. and incunabula) about Leeuwarden and the Province of Friesland; art collection, mainly historical; number of vols. approx. 12,000; Archivist and Librarian M. J. VAN LENNEP; publs. *Catalogue, The Hague 1932, Verslag over het Archief, de boekerij en de Kunstverzameling* (annual report).

Archiefgebouw der Gemeente Rotterdam (*General Archives*): Rotterdam, Mathenesserlaan 315; f. 1900; municipal archives, church records, Chamber of Commerce records, etc.; topographical collection; Archivist R. A. D. RENTING; Assts. P. G. VAN MANEN, G. J. MENTINK, J. NIEUWENHUIS, H. R. VAN OMMEREN, H. W. VAN VELDHUIZEN, Miss G. W. J. VERVEEN; publ. *Rotterdams Jaarboekje* (annual).

Gemeente-Archief (*Municipal Record Office with Library and Museum*): Alkmaar, Langestraat 93 (Record Office, Library, and Print Collection), Breedstraat 46; f. Library 16th century, Museum 1875; municipal archives, books about Alkmaar and North Holland, etc.; pictures, prints, maps, objects about Alkmaar and surroundings; number of vols. 30,000; Municipal Archivist TH. P. H. WORTEL; Asst. Archivist J. H. ROMBACH; publ. *Annual Report*.

Gemeente-Archief (*Record Office*): Dordrecht, 1 Stek; f. 1885; archives of the City of Dordrecht; books and prints of Dordrecht and its environs; number of vols. 35,000; Archivist J. J. BEYERMAN, L.D.

Gemeente-Archief (*Record Office*): Kampen; archives of the town 1251-1933; Archivist J. DON.

Rijksarchief in Drente te Assen (*State Archives of Drente*): Assen, Brink 4; f. 1879; public records of the Province of Drente; archives of cloisters, mansions, etc.; number of vols. 3,000; Dir. E. J. WERKMAN.

Rijksarchief in Gelderland: Arnhem, Markstraat 1; f. 1878; contains the archives of the Dukes of Guelders and of other authorities in that area; State Archivist P. J. MEIJ; publ. *Verslagen omtrent 's Rijks Oude Archieven* (Inventories of Archives).

Rijksarchief in Groningen te Groningen (*State Archives of Groningen*): Groningen, St. Jansstraat 2; f. 1824; open daily; Archivist Dr. W. J. FORMSMA.

Rijksarchief in Limburg te Maastricht (*State Archives of Limburg*): Maastricht, St. Pieterstraat 7; open daily; Archivist Dr. G. W. A. PANHUYSEN; publ. *Verslagen omtrent 's Rijks Oude Archieven*.

Rijksarchief in de Provincie Noord-Brabant (*State Archives of North Brabant*): 's-Hertogenbosch, Waterstraat 20; f. 1860; records of, and from, the province, 13th-20th century; number of vols.: Record Office 70,000; Library approx. 15,000; Archivist Dr. L. P. L. PIRENNE; publ. *Verslagen omtrent 's Rijks oude archieven* (annual report).

Rijksarchief in Overijssel (*State Archives of Overijssel*): Zwolle, Sassenpoort; f. 1898; provincial archives 1528-1813, judicial archives 1333-1877, notarial archives 1811-1842, old church registers and civil registers 1591-

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1842, archives of monasteries 1223-1811, etc.; historical library; length of archives 1,300 yds.; number of vols. 10,000 Archivist Dr. G. J. TER KUILE; Keeper of Records Dr. H. P. H. CAMPS.

Rijksarchief in de Provincie Utrecht (*State Archives of Utrecht*): Utrecht, Drift 27; f. 1803; records of the Province of Utrecht; Archivist Dr. M. P. VAN BUYTENEN; publ. *Verslagen omtrent 's Rijks Oude Archieven.*

Rijksarchief in Zeeland (*Zeeland State Archives*): Middelburg, Abdij 4; f. 1843; open to the public Mon.-Fri.; Archivist P. SCHERFT.

Rijksinstituut voor Oorlogsdocumentatie (*Netherlands State Institute for War Documentation*): Amsterdam, Herengracht 474: f. 1945; extensive collections on the history of World War II; Board Prof. Dr. B. H. D. HERMESDORF, Prof. Dr. T. P. VAN DER KOOIJ, Prof. Dr. Jhr. P. J. VAN WINTER; Dir. Dr. L. DE JONG.

LIBRARIES

(Amersfoort)

Bibliotheek van het Oud Katholiek Seminarie (*Library of the Old Catholic Seminary*): Koningin Wilhelminalaan 3; f. 1725; 20,000 vols.; Principal Prof. D. N. DE RIJK.

Openbare Leeszaal en Bibliotheek (*Public Library*): Muurhuizen 9; f. 1913; Librarian H. BROUWER; *c.* 30,000 vols.

Rooms Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): 2 Wijersstraat; f. 1913; Dir. (Vacant); 24,300 vols.

(Amsterdam)

Administratieve Bibliotheek (*Administrative Library*): Stadhuis Amsterdam, kamer 90, O.Z. Voorburgwal 199; f. 1892; books and periodicals about judicial and administrative subjects; reference library; Librarian G. GUNDERMAN; 35,000 vols.

Bibliotheek der Koninklijke Nederlandse Akademie van Wetenschappen (*Library of Royal Netherlands Academy of Sciences*): Kloveniersburgwal 29; f. 1808; Librarian J. F. BOSCH; 210,000 vols.

Bibliotheek der Rijksakademie van Beeldende Kunsten (*Library of State Academy of Fine Arts*): Stadhouderskade 86; 20,000 vols.

Bibliotheek der Vrije Universiteit (*Library of the Free University*): Keizersgracht 164; Librarian Dr. Ir. J. STELLINGWERFF; 150,000 vols., mainly on Reformed Theology.

Bibliotheek van het Stedelijk Museum (*Library of the Municipal Museum*): Paulus Potterstraat 13; f. 1957; vols. on modern art; 7,500 vols., 23,000 exhibition catalogues, 600 art photographs; Librarian L. KLOET.

Centrale Boekerij van het Koninklijk Instituut voor de Tropen (*Central Library of the Royal Tropical Institute*): Mauritskade 63; f. 1910; Librarian Dr. P. W. VAN MILAAN; 44,917 vols., 4,999 periodicals, 1,666 maps.

Openbare Leeszaal en Bibliotheek (*Public Library*): Keizersgracht 444; f. 1919; 19 brs.; music library and library for the blind; Librarian G. A. VAN RIEMSDIJK; 426,000 vols.

Universiteitsbibliotheek (*University Library*): Singel 421; f. 1578; Dir. and Chief Librarian Prof. H. DE LA FONTAINE VERWEY; over 1,500,000 vols., 62,000 MSS.

(Arnhem)

Gelderse Bibliotheek (*Scientific Library*): f. 1856; Librarian K. SCHAAP; 65,000 vols., 130 MSS.

Openbare Leeszaal (*Public Library*): Marienburgstraat 12; f. 1919; Librarian C. J. H. SCHEPEL; 62,000 vols.

(De Bilt)

Bibliotheek van het Koninklijk Nederlands Meteorologisch Instituut (*Library of Royal Netherlands Meteorological Institute*): f. 1849; Librarian D. J. BOUMAN; 40,000 vols.

Openbare Leeszaal en Bibliotheek (*Public Library*): f. 1920; Librarian Miss C. M. BONDAM; 7,000 vols.

Roomsch-Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): f. 1915; Librarian Miss J. VAN DER HULST; 19,000 vols.

(Delft)

Bibliotheek der Technische Hogeschool (*Library of the Technological University*): Doelenstraat 101; f. 1842; Dir. Dr. L. J. VAN DER WOLK; 300,000 vols., 3,000 current periodicals.

Gemeentebibliotheek (*Communal Library*): Oude Delft 169; f. 1246; the same building houses the municipal archives; Librarian Dr. D. P. OOSTERBAAN.

Rooms Katholieke Leeszaal en Bibliotheek (*Roman Catholic Public Library*): Koornmarkt 48; f. 1916; Librarian Miss L. M. M. VAN DER HULST; 17,830 vols.

(Deventer)

Athenæum-Bibliotheek (*Municipal Library*): Stadhuis; f. 1560; Librarian Dr. A. C. F. KOCH; 79,000 vols., 520 MSS., 285 incunabula, 350 post incunabula, 2,200 engravings.

(Dordrecht)

Openbare Leeszaal en Bibliotheek (*Public Library*): Wijnstraat 102-104; f. 1899; Librarian Miss A. E. ROBBERS; 64,926 vols.; Children's Dept., 10,655 vols.; 3,470 mems.

(Echt)

Bibliotheca Tilboschensis (*Tilbosch Library*): f. 1885; Librarian P. U. STRIJBOSCH; 20,000 vols.

(Eindhoven)

Roomsch-Katholieke Openbare Leeszaal en Boekerij (*Roman Catholic Public Library*): Eindhoven-Rechte; straat 52; f. 1915; Librarian A. H. SYSTERMANS; 38,000 vols.

(Groningen)

Bibliotheek der Rijksuniversiteit te Groningen (*University Library*): Zwanestraat 33; f. 1615; Dir. Dr. S. J. BOUMA; 375,000 vols., 700 MSS., 200 incunabula.

Openbare Bibliotheek (*Public Library*): Kwinkenplein 8; f. 1903; Librarian Miss M. A. J. VAN WICHEREN; 98,077 vols.

(Haarlem)

Bibliotheek van Teyler's Stichting (*Teyler Endowment Library*): Damstraat 21; f. 1778; Librarian Dr. R. LORENTZ; 100,000 vols.

Stads-Bibliotheek en Leeszaal (*Public Library*): Prinsenhof; f. 1596; Dir. C. VAN DYK; 180,119 vols., 150 MSS., 174 incunabula; publ. *Aanwinsten der Stads-Bibliotheek en Leeszaal.*

(The Hague)

Bibliotheek van de Economische Voorlichtingsdienst (*Library of the Economic Information Service*): Bezuidenhoutseweg 151; f. 1936; Librarian Miss GERDA M. VAN ANDEL; 80,000 vols., 2,400 current periodicals; centre of economic documentation and information department; publs. bibliographies, abstracts, *Economic Abstracts* (twice a month).

Bibliotheek van het Centraal Bureau voor de Statistiek (*Library of the Netherlands Central Bureau of Statistics*): Oostduinlaan 2; f. 1899; 79,000 vols.; Librarian H. W. J. GROENENBERG.

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Bibliotheek van het Vredespaleis (*Library of the Peace Palace*): f. 1913; international law, law of the various countries, diplomatic history, international relations; Grotius Collection; Dir. and Chief Librarian Prof. Dr. B. LANDHEER; 450,000 vols.; publs. *Catalogue, Selective Bibliographies, Survey of Literature on Public and Private International Law.*

Bibliotheek van de Tweede Kamer der Staten-Generaal (*Library of the Second Chamber of the States-General*): Binnenhof 1a; f. 1815; Librarian Miss S. BLAAUW; 100,000 vols.

Katholieke Openbare Leeszaal en Bibliotheek (*Catholic Public Library*): Sophialaan 9; f. 1918; Chief Librarian W. H. G. REIJNTJES; 53,000 vols.

Koninklijke Bibliotheek (*Royal Library*): Lange Voorhout 34; f. 1798; Librarian Dr. C. REEDIJK; 800,000 vols., 30,000 MSS.

Openbare Bibliotheek (*Public Library*): Bilderdijkstraat 1-7; f. 1906; Dir. P. J. VAN SWIGCHEM; 286,000 vols.

(Heemstede)

Bibliotheek van het Seminarie "Hageveld" (*Library of the "Hageveld" Seminary*): Cloosterweg 24; f. 1817; Librarian J. W. BRUIN; 50,000 vols. of classics and modern languages, and early Church texts.

(s'-Hertogenbosch)

Bibliotheek van het Provinciaal Genootschap van Kunsten en Wetenschappen in Noord-Brabant (*Library of North Brabant Provincial Association for Art and Science*): Bethaniëstraat 4; 1837; Librarian Dr. F. J. M. VAN DE VEN; 43,000 vols.; topographical and historical engravings and drawings, etc.

Openbare Leeszaal en Boekerij op Roomsch Katholieke grondslag (*Roman Catholic Public Library*): Choorstraat 16; f. 1915; 26,000 vols.

(Hilversum)

Openbare Leeszaal en Bibliotheek (*Public Library*): 's-Gravelandseweg 55; f. 1909; Librarian J. H. MÜLLER; 72,635 vols.

(Leiden)

Bibliotheek der Rijksuniversiteit (*Library of the State University*): Rapenburg 70-74; f. 1587; Librarian J. R. DE GROOT; 1,600,000 vols., 15,500 MSS., 40,000 maps.

Bibliotheek van de Maatschappij der Nederlandse Letterkunde (*Library of the Society of Netherlands Literature*): Rapenburg 70-74; f. 1766; Librarian J. R. DE GROOT; 100,000 vols., 2,000 MSS. on loan to Library of University of Leiden.

Openbare Bibliotheek "Reuvens" (*Reuvens Public Library*): Breestraat 27; f. 1910; Librarian Miss H. B. A. HEYSE; 30,000 vols.; publs. lists of new books.

(Leeuwarden)

Buma Bibliotheek (*Buma Library*): Gr. Kerkstraat 29; f. 1876; Librarian Dr. S. DOUMA; vols. on Greek and Roman antiquities; 36,000 vols.

Provinciale Bibliotheek van Friesland (*Frisian Provincial Library*): Kanselarij; f. 1852; Librarian Dr. SJ. DOUMA; 200,000 vols.

(Maastricht)

Bibliotheek van het Canisianum (*Theological Library*): Tongerse Straat 53; f. 1852; theology; 200,000 vols.; Librarian Dr. ALPH. HOUBEN.

Stadsarchief en- Bibliotheek (*Communal Archives and Library*): Vrijthof 47; f. 1662; Archivist-Librarian H. H. E. WOUTERS; 90,000 vols., 400 MSS.

(Middelburg)

Provinciale Bibliotheek van Zeeland (*Zeeland Provincial Library*): Abdijplein 9 (Abdijgebouwen); f. 1859; Librarian W. DE BRUINE; 200,000 vols., 3,000 MSS.

(Nijmegen)

Bibliotheek Katholieke Universiteit (*Library of the Catholic University*): van Schaeck Mathonsingel 4; f. 1923; Librarian Dr. A. P. M. KIEVITS; 350,000 vols.

(Rotterdam)

Bibliotheek der Nederlandsche Economische Hoogeschool (*Library of the Netherlands School of Economics*): Pieter de Hoochweg 122; 160,000 vols.; Librarian H. VAN MILAAN.

Bibliotheek en Leeszalen der Gemeente (*Municipal Library*): Nieuwe Markt 1; f. 1604; Chief Librarian Dr. E. VAN GULIK; 480,000 vols., 200 MSS., Erasmus collection 2,200 vols.

Rotterdamsch Leeskabinet (*Rotterdam Library*): Parklaan 3; f. 1859; literature, history, art, law, etc.; 1,629 mems.; Librarian Dr. J. H. J. VAN DER POT; 100,000 vols.; publs. *Kwartaalbericht, Jaarverslag.*

(Tilburg)

Bibliotheek der Katholieke Economische Hogeschool (*Library of the University for Economics and Social Science*): Hogeschoollaan 225; 99,000 vols.; Librarian W. M. J. JANSEN.

Bibliotheek der Katholieke Leergangen: Bosscheweg 341; 50,000 vols.; Librarian (Vacant).

Bibliotheek Moederhuis: Gasthuisstraat 68; f. 1845; scientific and educational; Librarian Fr. M. JOANNE DAMASCENUS; 65,000 vols.; publs. *Ons Eigen Blad* (monthly for teachers), *Opvoedkundige Brochurenreeks* (for teachers), *De Engelbewaarder* (monthly for children).

(Utrecht)

Bibliotheek der Rijksuniversiteit (*Library of the State University*): Wittevrouwenstraat 11; f. 1581; Librarian D. GROSHEIDE; 850,000 vols., 2,500 MSS.

Openbare Leeszaal en Bibliotheek (*Public Library*): Voetiustraat 2; f. 1891; Chief Librarian E. J. ZWAGER-GEHNER; 60,000 vols.; brs. in Bilthoven, Elinkwijk, Hoograven and Tuinwijk.

Rooms-Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): Kromme Nieuwe Gracht 25; f. 1918; Librarian A. P. M'KEMME; 45,267 vols.

(Wageningen)

Bibliotheek der Landbouwhogeschool (*Library of the Agricultural University*): Gen. Foulkesweg 1a; f. 1873; Librarian TH. P. LOOSJES; 400,000 vols.

(Wittem)

Bibliotheek van het "Alphonsianum" Studiehuis der Nederlandse Redemptoristen (*Library of the Netherlands College of Redemptorist Fathers*): f. 1836; 85 000 vols., chiefly on Roman Catholic theology; collection of old Roman Catholic moral and pastoral theology and books of devotion, including MSS. and incunabula; Librarian M. KRINKELS, C.SS.R., D.D.; publs. *Nederlandse Katholieke Stemmen* (monthly), *Ecclesia Docens* (occasional).

MUSEUMS

(Alkmaar)

Stedelijk Museum te Alkmaar: Breedstraat; f. 1875; municipal museum; antiquarian and art collection from Alkmaar and its environs, pictures concerning the siege by the Spaniards in 1573, pictures about the civil guard, pictures by Maerten van Heemskerck, Willem van de Velde the Elder, Allart and Caesar B. van Everdingen, Salomon van Ruysdael, Abraham van Beyeren, Gerard Honthorst, Pieter J. Saenredam; objects include old silver, glass, pottery, porcelain and modern art; Dir. TH. P. H. WORTEL.

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(Amsterdam)

Museum Amstelkring: Oude Zijds Voorburgwal 40; f. 1887; concealed 17th-century church and exhibits concerning old Amsterdam; Pres. J. M. F. EVERLING.

Museum van het Koninklijk Inst. voor de Tropen (*Museum of the Royal Tropical Institute*): Linnaeusstraat 2; f. 1910; Chief Curator Dr. J. H. JAGER GERLINGS, LL.D.; publs. papers on the tropics.

Rembrandt-Huis: Jodenbreestr. 4 and 6; f. 1907; Rembrandt etchings and drawings; the artist lived here 1639-59; Custodian M. MULLER; Pres. Mr. CHR. P. VAN EERGHEN; Sec. J. KOK; publ. *De Kroniek van de Vriendenkring van het Rembrandthuis* (bi-monthly).

Rijksmuseum (*State Museum*): Stadhouderskade 42; f. 1808; Dir.-Gen. Dr. A. F. E. VAN SCHENDEL; Curator Pictures C. J. DE BRUYN KOPS; Dir. Sculpture and Applied Art TH. H. LUNSINGH SCHEURLEER; Curators Miss M. A. HEUKENSFELDT JANSEN, J. LEEUWENBERG, Dr A. DEN BLAAUW, Miss A. ERKELENS, Mrs. TH. DUYVENÉ DE WIT; Curator National Historical Collection Dr. J. BRAAT; Dir. Print Room Dr. K. G. BOON; Curators Dr. J. W. NIEMEYER, Miss L. FRERICHS, Mrs. D. DE HOOP SCHEFFER; Librarian Miss E. DELBRÜCK; Gen. Sec. TON KOOT; 35,000 vols. in library; publs. *Bulletin* (quarterly), annual reports, pocket guides and catalogues.

Stedelijk Museum: Paulus Potterstraat 13; f. 1895; modern paintings and sculpture. Dutch and foreign; loan collection paintings and drawings by Vincent van Gogh; temporary exhibitions on modern art; Dir. Mr. E. L. L. DE WILDE; Sec. Dr. S. H. LEVIE.

(Arnhem)

Gemeentemuseum Arnhem (en Historisch Museum voor Gelderland): Utrechtseweg 87; f. 1856; archæology, history, and history of art of Arnhem and Gelderland, art of the lower Rhine area, Dutch painting, famous collections of Delftware, Arnhem Delft, china, glass and old silver, topographic collection of Gelderland, temporary exhibitions of art; Dir. A. J. DE LORM; Keepers: paintings and sculpture J. MEKKINK; applied art and print rooms P. N. H. DOMELA NIEUWENHUIS; historic and prehistoric dept. Miss E. L. WAARDENBURG, G. F. VAN DER HOEK; Librarian Miss A. J. VAN DEN BERG; Sec. Miss R. NEERINCX.

Rijksmuseum voor Volkskunde "Het Nederlands Openluchtmuseum" (*The Netherlands Open Air Museum*): Schelmseweg 89; f. 1912; folklore and popular culture; library of 16,000 vols.; Dir. Prof. Dr. A. J. BERNET KEMPERS; Sec. P. G. J. M. WAGENAAR; publs. *Annual Report, Bijdragen en Mededelingen* (half-yearly).

(Delft)

Oranje-Nassau Museum: c/o Prinsenhof Museum, Lange Delft, Delft; collection of pictures, prints, coins relating to the Royal family of the Netherlands, the House of Orange-Nassau, shown in the old cloister building where William of Orange lived and died; Curator A. W. J. MULDER.

Rijksmuseum "Huis Lambert van Meerten" te Delft: Oude Delft 199; f. 1909; old furniture and paintings, Delft pottery, tiles; Dir. D. H. G. BOLTEN.

Stedelijk Museum "Het Prinsenhof": Oude Delft 185; contains historical collection illustrating the Netherlands Independence War 1568-1648, Delft historical collection, paintings of the Delft School; Curator D. H. G. BOLTEN; publ. catalogues.

(Den Helder)

Museum te Den Helder: f. 1936; exhibits from the Noordholland area; library of 140 vols.; 130 mems.; Curator F. CREUTZBERG, Zoological Station; Sec. E. S. HELD, Singel 53 (Eindhoven).

Stedelijk van Abbe-Museum te Eindhoven: Bilderdijklaan 10; f. 1936; collection of 20th-century Western art including Picasso, Braque, Chagall, Delaunay, Léger, Dufy, Kandinsky, Kokoschka, Miro, Ernst, Lam, Bazaine, Bissière, Manessier, Poliakoff, Jorn, Alechinsky, Tapies, Saura, Dubuffet, Davie, Francis, Hultberg; Dutch contemporary art: Appel, Corneille, Lataster, Lucebert, Benner; Dir. E. L. L. DE WILDE.

(Enschede)

Rijksmuseum Twenthe te Enschede: Lasondersingel 129; f. 1929; pre-historical finds of eastern parts of the Netherlands; medieval works of art; pictures of 14th-19th centuries; pictures of fauna, and drawings of Saxon buildings; coins; 14,000 vols. in library; Dir. Dr. C. C. W. J. HIJSZELER.

(Gouda)

Stedelyk Museum "de Moriaan" (*"The Blackamoor" Municipal Museum*): 29 Westhaven; Dutch Merchants' house; collection of Dutch pipes, pottery, Gouda tiles and pictures; Dir. Drs. JAN SCHOUTEN.

Stedelyk Museum "Het Catharina Gasthuis" (*St. Catherine Hospital, Municipal Museum*): 10 Oosthaven; art and history, pictures by Dutch and European Masters; Dir. Drs. JAN SCHOUTEN.

(Groningen)

Groninger Museum voor Stad en Lande: Praedliniussingel 59; f. 1890; prehistory and history; period rooms, including one of a farm from the Groningen-Westerwolde country; paintings of local school; Dutch and Flemish of 16th and 17th century: Rembrandt, Fabritius, Jordaens, Rubens, Sweerts, Teniers; drawings: Rembrandt, Averkamp, Van Goyen, Cuyp, Lievens; 19th- and 20th-century painting; extensive collection of Far-Eastern ceramics; Curator W. Jos. DE GRUYTER.

(Haarlem)

Frans Halsmuseum: Groot Heiligland 62; f. 1913; pictures by Frans Hals and Haarlem school, antique furniture, etc.; Dir. H. P. BAARD; publs. illustrated catalogue (96 pictures) and guide, *Frans Hals and the group-portraits at Haarlem in the Municipal Museum, 1949, Frans Hals—The Civic Guard Portrait Groups, Elsevier, 1949.*

Teylers Museum: Damstraat 21; f. 1778; pictures, drawings, palæontology, geology, mineralogy, natural history, numismatics, physics; Dirs. J. W. VAN DER VLUGT, C. W. THÖNE, TH. A. WESSTRA (Secretary), R. FONTEIN, P. J. ZONDERVAN; Curators Prof. Dr. J. Q. VAN REGTEREN ALTENA (Art), J. H. VAN BORSSUM BUISMAN (Art), Prof. Dr. J. KISTEMAKER (Physics), Dr. C. O. VAN Prof. Dr. J. KISTEMAKER (Physics), Dr. C. O. VAN REGTEREN ALTENA (Palæontology, Geology, Mineralogy and Art), J. W. FREDERIKS (Numismatics); publs. *Archives du Musée Teyler, Verhandelingen van Teyler's Godgeleerd Genootschap, Verhandelingen van Teyler's 2e Genootschap.*

(The Hague)

Drachtmuseum (*Costume Museum*): Lange Vijverberg 14; a collection of dresses from about 1750 up till now; Dir. Dr. L. J. F. WIJSENBEEK; Curator Dr. BEATRICE JANSEN; Asst. Curator Miss J. M. BALKENSTEIN; Administrator P. A. FREQUIN.

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Gemeentemuseum: Stadhouderslaan 41; f. 1883; collections: history of The Hague; modern arts (paintings) sculptures, water-colours, prints, decorative art from 1800 onward); ancient decorative art (Near and Far East, Europe from early Greek to 1800); ceramics, glass, metal, furniture, tapestry; music (old instruments, manuscripts, documentary library); Dir. Dr. L. J. F. WIJSENBEEK; Asst. Dirs. Dr. J. H. VAN DER MEER (Musical Historic); Dr. BEATRICE JANSEN (Ancient Decorative Art); W. Jos DE GRUYTER (Modern Art); W. A. L. BEEREN (Prints and Drawings); H. VAN HAAREN (Pedagogic Dept.); Administrator P. A. FREQUIN; publ. *Mededelingen van de Dienst voor Schone Kunsten.*

International Press Museum: Javastraat 32, The Hague; library of 8,000 vols., collection of newspapers, periodicals, portraits, coins, cartoons, etc.

Koninklijk Kabinet van Schilderijen (Mauritshuis) (*Royal Picture Gallery*): Korte Vijverberg 8; opened to public as museum 1820; Dutch paintings of the Golden Age (North and South Netherlands Primitives and Flemish Masters); German collection; Dir. Dr. A. B. DE VRIES; Admin. A. J. M. VAN DER VAART; publs. catalogues, illustrated guide books, and Annual Report.

Museum Bredius: Prinsegracht 6; f. 1923; paintings (Rembrandt, Jan Steen, Hercules Seghers, Aert v.d. Neer, Gerard Terborch, Salomon van Ruysdael, Albert Cuyp), drawings (Pieter Breughel, van Goyen, Jacob van Ruysdael, Van Dijck, Rembrandt, etc.), furniture, silver, porcelain, glass; Dir. Dr. L. J. F. WIJSENBEEK; Administrator P. A. FREQUIN.

Nederlands Postmuseum (*Netherlands Postal Museum*): 82 Zeestraat; f. 1929; objects and documents, etc., concerning the history and working of the services of posts, telegraphs and telephones in the Netherlands; international stamp gallery; 6,500 vols. in library; Dir. Dr. R. E. J. WEBER, D.LITT.; Curators Miss E. DRIESSEN, Ir. J. M. VERLOOP; publs. annual reports, illustrated guide (in English).

Rijksmuseum Hendrik Willem Mesdag te 's-Gravenhage: Laan van Meerdervoort 7F; f. 1903; Dutch pictures 1860-1900; French pictures of the Barbizon school, Oriental objects; Dir. Dr. A. B. DE VRIES; Asst. Dir. Mrs. M. LANGE; publ. *Annual Report.*

Rijksmuseum Meermanno-Westreenianum (Museum van het Bork): te 's-Gravenhage, Prinsessegracht 30; Egyptian, Greek and Roman antiquities, mediaeval manuscripts, old and rare books, modern typography; Dir. Dr. C. REEDIJK.

(Heerlen)

Gemeentelijk Museum te Heerlen: Town Hall; f. 1877; collection includes model of the town in medieval times and model of *Thermae Coriovallenses*, excavated 1940-41; Pres. J. J. JONGEN; Sec. Dr. L. E. M. A. VAN HOMMERICH; publs. *Het Land van Herle* (bi-monthly). *Regional Historical Organisation:* Pres. J. J. JONGEN; Sec. Dr. L. VAN HOMMERICH; publ. *Bulletin.*

(s'Hertogenbosch)

Centraal Noordbrabants Museum: Bethaniëstr. 4, 's-Hertogenbosch; f. 1837; open 10 a.m.-5 p.m. (2 p.m.-6 p.m. Sundays if there are exhibitions); North Brabant prehistorical, historical and folklore collections; ancient and modern paintings, prints, coins, library, etc.

(Hoorn)

Westfries Museum at Hoorn: Rode Steen 1 and 8; f. 1879, 17th- and 18th-century painting, prints; oak penelling; silver, furniture; household and agricultural implements, historical objects from Hoorn and West Friesland, prehistoric finds; Curator T. R. MULDER; publ. annual reports.

(Leeuwarden)

Kerkmuseum Janum: f. 1947; contains medieval art; Dir. Dr. A. WASSENBERGH; belongs to the Fries Genootschap van Geschied-, Oudheid-en Taalkunde, Leeuwarden; publ. *Gids van het Museum* 1954.

Fries Genootschap van Geschied-, Oudheid- en Taalkunde Leeuwarden (*Society of Frisian Archæology, History and Philology*): Fries Museum, Koningsstraat 1; f. 1827; 25,000 vols. in library; 1,673 mems.; Pres. Dr. B. PH. BARON VAN HARINXMA THOE SLOOTEN; Sec. Dr. H. SCHOOTSTRA; publs. *De Vrije Fries* (every other year), *Verslag Fries Genootschap* (annual).

Fries Museum: Koningsstraat 1; f. 1827; open daily; Dir. C. BOSCHMA; publs. *Museum Guide* 1956, *Gids Fries Museum* 1957, *Fuhrer Fries Museum* 1958.

Oenkerk (Fr.) Stania-State Agriculture Museum: Koningsstraat 1; f. 1956; belongs to the Fries Genootschap van Geschied-, Oudheid- en Taalkunde, Leeuwarden.

(Leiden)

Rijksmuseum van Oudheden: Rapenburg 28; f. 1818; Netherlands prehistory, Egyptian, Mesopotamian, Palestinian, Greco-Roman and ancient European collections; Dir. Prof. Dr. A. KLASENS; publ. *Oudheidkundige Mededelingen.*

Rijksmuseum van Geologie en Mineralogie (*State Museum of Geology and Mineralogy*): van der Werffpark 1; f. 1878; Dir. (Vacant); Curators Dr. P. C. ZWAAN, Miss Dr. G. E. DE GROOT, G. KORTENBOUT VAN DER SLUYS, C. J. OVERWEEL, P. VAN GIJZEL.

Rijksmuseum voor de Geschiedenis der Natuurwetenschappen: Steenstraat 1A; f. 1931; national museum for the history of science; collections of historical scientific instruments, anatomical preparations, portraits; library of 10,000 vols.; Dir. Miss Dr. M. ROOSEBOOM; Asst. Curator P. VAN DER STAR; publ. *Communications Series* (irregular).

Stedelijk Museum "de Lakenhal" te Leiden: Oude Singel 28; f. 1872, in the former Lakenhal, built 1640; pictures of Leiden school; memorial table (triptych) and altar pieces by Lucas van Leyden and C. Engebrechtsz; Rembrandt, Jan Steen, Jan van Goyen, van Mieris, Dou, modern Leiden school: Verster, Kamerlingh Onnes; furniture, silver, glass, tapestry, etc.; periodical rooms; history of the town; Dir. J. N. VAN WESSEM; publs. *Annual Reports, Catalogues, Guide* (both illustrated).

(Maastricht)

Natuurhistorisch Museum te Maastricht (*Natural History Museum*): Bosquetplein 7; f. 1911; flora, fauna and gea of the Limburg area; 30,000 vols. in library; Curator Dr. E. KRUYTZER; publs. *Natuurhistorisch Maandblad* (monthly), *Publicaties Natuurhistorisch Genootschap* (yearly).

(Muiden)

Muiderslot (*State Museum*): f. 1871; 13th-century castle furnished as it probably was in the first half of the 17th century, when the castle was a centre of Dutch culture; paintings, tapestries, furniture and armoury; 90,000 visitors a year; Gov. TON KOOT; publ. *Annual Report* and *Guide.*

(Nijmegen)

Museum van Oudheden te Nijmegen (*Museum of Antiquities*): Marienburg 26; f. 1850; specimens of ware from the German era to the 19th century; folklore; objects

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from the Guilds of Nijmegen; fragments of architecture; silver by the silversmiths of Nijmegen; Dir. Dr. J. A. B. M. DE JONG.

Rijksmuseum G. M. Kam te Nijmegen: f. 1922 by the late G. M. Kam; contains Roman antiquities (pottery, glass, bronze, etc.) found in Nijmegen and surroundings; also some prehistoric and Frankish antiquities; collections include those of the town of Nijmegen and of the St. Canisius College; Dir. Prof. A. KLASENS.

(Otterlo)

Rijksmuseum "Kröller-Müller": "De Hooge Veluwe", National Park; f. 1938; open daily; large collection of paintings by Van Gogh, paintings of the 19th and 20th centuries, old masters, sculptures, ceramics, drawings, graphic art; library of 5,000 vols.

(Roermond)

Gemeentelijk Museum "Henry Luyten—Dr. Cuypers Museum": Andersonweg 8; f. 1932; open daily; collections: paintings by Henry Luyten (1859-1945), architectural plans by Dr. P. J. H. Cuypers (1827-1921), etchings by Eug. Lücker (1876-1943), drawings by Dr. Louis Raemaekers (1869-1956), objects about the history of Roermond; Curator J.G.F.M.G. Baron VAN HÖVELL TOT WESTERFLIER.

(Rotterdam)

Historisch Museum der stad Rotterdam: Korte Hoogstraat 31; f. 1868; objects referring to the history of Rotterdam, ceramics, maps, sculptures, period rooms 18th-19th century, pictures, silver, 17th-century inn; Dir. C. J. DU RY.

Maritiem Museum "Prins Hendrik": Burg. s'Jacobplein 8; f. 1873; models of ships dating back to 15th century, globes, atlases, etc.; Dir. Mej. J. B. VAN OVEREEM; Curator E. W. PETREJUS; publs. *Jaarverslag van het Maritiem Museum "Prins Hendrik"*.

Museum Boymans-van Beuningen: Mathenesserlaan 18; f. 1847; old paintings by: Van Eyck, Hier. Bosch, Pieter Bruegel the Elder, Pieter Aertsen, Frans Hals, Hercules Seghers, Saenredam, Rembrandt, Carel Fabritius, Jacob van Ruisdael, M. Hobbema, Philips Koninck, Jan Steen, E. de Witte, G. Dou, Rubens, Titian, Veronese, Tintoretto, Watteau, Boucher, etc.; modern paintings by H. Daumier, Jongkind, Monet, Pissarro, Sisley, Gauguin, van Gogh, Signac, Ensor, E. Munch, Kandinsky, van Dongen, Kokoschka, Karel Appel, J. Nanninga, Corneille; old and modern sculptures (Rodin, Degas, Renoir, Maillol, Despiau, Marini, etc.); drawings from Dutch, Flemish, French, German, Italian and Spanish schools from the XV-XX centuries; old and modern prints; glass, Dutch silver, old pewter, laces and ceramics, among which an important collection of Persian, Spanish, Italian and Dutch pottery and tiles, furniture; Dir. J. C. EBBINGE WUBBEN; publs. *Jaarverslag* (annual report), *Bulletin* (3 times a year), monthly newsletter, picture book with 144 reproductions, European drawings from five centuries with 87 reproductions; catalogues of the department of prints.

Museum voor Land- en Volkenkunde: Willemskade 25; f. 1883; ethnological and archaeological collections from Indonesia, Asia, Africa, America and Oceania; Dir. Dr. C. NOOTEBOOM; Curators R. S. WASSING (Oceania, N. and S. America, New Guinea), L. KAMPER (Asia), A. KATER (Africa), J. HURWITZ (Indonesia), Miss A. E. LAMBRECHTSEN (Africa); Keeper Education Dept. J. J. BUFFART; Librarian Miss J. C. VINK; Library of 5,500 vols.; publs. *Jaarverslag van het Museum voor Land- en Volkenkunde, Trois problèmes d'Ethnologi-Maritime, Essai d'une Ethnographie Navale des Peuples Annamites, Une Collection ethnographique des Ababdes et des Bicharins dans le Museum voor Land- en Volkenkunde, Les Jonques chinoises* Vol. I, II, III, IV, V.

(Utrecht)

Centraal Museum der gemeente Utrecht: Agnietenstraat 1 (15th-century building); used as museum since 1921; Dir. Dr. M. ELISABETH HOUTZAGER; comprises three museums, which are:

Central Museum: (municipal collections) pictures and sculpture of the Utrecht school, 15th-19th centuries; series of period rooms, 15th-19th centuries; Doll's house; Dutch art industry; costume dept.; famous Utrecht ship, 2nd century; municipal history; annexe for modern Dutch art (1850-), on separate premises: *Fentener van Vlissingenhuis*, Maliebaan 42; Dir. Dr. M. ELISABETH HOUTZAGER; Scientific Staff: sub-director H. J. DE SMEDT; curators Miss I. SOER, J. P. W. PHILIPSEN; library of 1,000 vols.; publs. catalogues, *Annual Report, Catalogue Historical Department*, 1928, *Catalogue Costume Department*, 1947, *Catalogue of Pictures*, 1952, *The Doll's House*, 1960, *Catalogue of Acquisitions, 195-11961.*

Archiepiscopal Museum: Agnietenstraat 1; pictures and sculptures of Dutch, Flemish, German, and Italian primitives, 13th-16th centuries; miniatures; medieval and later religious art; textiles; art industry; annexe: *Museum for Modern Religious Art*, Lange Nieuwstraat 38; Dir. Dr. D. P. R. A. BOUVY; Asst. Dir. Miss A. M. JANSSENS, HIST.ART.DRA.; Asst. Keeper G. J. J. M. HAKS; library of 300 vols.; publs. *Catalogue of the Pictures* 1948, *Catalogue of the Sculptures, Annual Report.*

Museum of the Utrecht Provincial (Archaeological) Society: Pre-Roman, Roman and early medieval antiquities; maquette of excavations on the cathedral square; Curator Prof. Dr. J. H. JONGKEES; publs. *Annual Report, Guide.*

(Veere)

Museum "De Schotse Huizen": Kade A 146; Chinese and Japanese ceramics; prints, national costumes, furniture, ships' models.

Oudheidskamer: Markt A 1; f. 1881; old standards and flags; golden cup of Maximilian from Burgundy (1546); Secretariat Townhall.

(Vlissingen, Flushing)

Stedelijk Museum te Vlissingen: Bellamy Park 19; f. 1890; souvenirs of Admiral de Ruyter; coins, medals, paintings, ceramics, wood-carvings, topography, etc.; Pres. B. KOLFF, LL.D.; Sec. (Vacant).

(Wageningen)

Nederlands Landbouw Museum (*Netherlands Agricultural Museum*): c/o Gen. Foulkesweg 90 (temporarily closed); f. 1935; Dir. Dr. J. M. G. VAN DER PEOL.

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UNIVERSITIES

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(University of Amsterdam)

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Rector Magnificus: Prof. Dr. J. KOK.
Chancellor-Director: Dr. F. BENDER.
Pro-Rector: Prof. J. VALKHOFF.
Secretary: J. DE HAAN.
Librarian: Prof. Dr. H. DE LA FONTAINE VERWEY.

Number of professors: 196.
Number of students: 9,293.
Publication: *Jaarboek der Universiteit van Amsterdam.*

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Faculty of Law: Prof. A. PITLO.
Faculty of Medicine: Prof. Dr. P. FORMIJNE.
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TAMMES, A. J. P. (International Law).
TEMPEL, A. J. VAN DEN (Law of Tax).
WIERSMA, D. (Criminology).
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WINTER, L. I. DE (International Law).

Faculty of Medicine:
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BIEMOND, A. (Neurology).
BOELES, J. TH. F. (Physiology).
BOEREMA, I. (Surgery).
BORST, J. G. G. (Internal Medicine).
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FROE, A. DE (Anthropobiology, Human Genetics, Anatomy and Embryology).
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HAMPE, J. F. (Anatomy and Forensic Medicine).
HUT, M. (Dental Surgery).
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KAPPERS, J. ARIENS (Neuro-Anatomy).
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REILINGH, H. D. DE VRIES (Social Geography and Land Description).
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Secretary: H. ADDENS.
Rector Magnificus: Prof. Dr. F. H. L. VAN OS.
Secretary of the Senate: Prof. Dr. G. A. VAN ES.

Number of teachers: 185, including 126 professors.
Number of students: 4,954.
Publications: *Jaarboek, Gids.*

DEANS:

Faculty of Theology: Prof. Dr. W. F. DANKBAAR.
Faculty of Law: Prof. J. L. H. CLUYSENAER.

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Faculty of Economics: Prof. Dr. F. J. de Jong.

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Faculty of Theology:
Baaren, T. P. van (History of Religions).
Dankbaar, W. F. (History of Christianity).
Lekkerkerker, A. F. N. (History and Dogmatics of the Dutch Reformed Church).
Roscam Abbing, P. J. (Biblical and Practical Theology).
Stempvoort, P. A. van (New Testament).
Vos, H. de (Ethics and Philosophy of Religion).
Wou de, A. S. van der (Old Testament).

Faculty of Law:
Beekhuis, J. H. (Civil Law).
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Cluysenaer, J. L. H. (Social Law).
Doedens, H. J. (Fiscal Law).
Immink, P. W. A. (Old Dutch Law).
Landheer, B. (Sociology).
Pen, J. (Economics).
Röling, B. V. A. (Criminal Law).
Rooy, M. H. van (Criminology).
Scheltema, H. J. (Roman Law).
S'Jacob, E. H. (Constitutional Law and Constitutional History).
Uniken Venema, C. ae. (Anglo-American Law).
Wiarda, J. (Civil Law, Commercial Law, and International Law).

Faculty of Medicine:
Anders, G. J. P. A. (Anthropology).
Arends, A. (Pathological Anatomy).
Ariens Kappers, J. (Anatomy).
Baan, P. A. H. (Psychiatry).
Bijlstra, K. G. (Orthodontics).
Blickman, J. R. (Roentgenology).
Boer, J. G. de (Dental Surgery).
Brinkman, R. (Radiopathology).
Deen, K. J. van (Social Hygiene).
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Droogleever Fortuyn, J. (Neurology).
Eerland, L. D. (Surgery).
Gaarenstroom, J. H. (Pharmacology).
Hadders, H. N. (Pathological Anatomy).
Hart de Ruyter, Th. (Child Psychiatry).
Huizing, H. C. (Audiology).
Huizinga, E. (Oto-Rhino-Laryngology).
Jonxis, J. H. P. (Children's Diseases).
Joosse, L. A. (Gynæcology, Obstetrics).
Keuning, F. J. (Histology).
Kraan, J. (Phtisiology).
Lenshoek, C. H. (Neuro-surgery).
Mandema, E. (Internal Medicine).
Orie, N. G. M. (Pulmonary Affections).
Ritsema van Eck, C. R. (Anæsthesiology).
Ruiter, M. (Dermatology).
Tekenbroek, J. N. (Materia Technica).
Ven, J. G. van der (Prosthetic Dentistry).
Walter, W. G. (Physiology).
Wensinck, F. (Bacteriology, Serology, Immunology).
Wied, D. de (Experimental Endocrinology).
Zylstra, W. G. (Physiology).

Faculty of Science:
Baerends, G. P. (Zoology).
Bakker, D. (Botanical Oecology).
Beardmore, J. A. (Genetics).
Blaauw, A. (Astronomy).
Brinkman, H. (Experimental Physics).
Dekker, A. J. (Physics).
Faber, J. S. (Pharmacy).
Francken, J. C. (Technical Physics).
Gerretsen, J. C. H. (Mathematics).
Gerritsen, D. J. (Applied Chemistry).
Groenewold, H. J. (Theoretical Physics).
Gruber, M. (Biochemistry).
Hugenholtz, K. M. (Theoretical Physics).
Huizinga, T. (Pharmacotherapy).
Jellinell, F. (Inorganic Chemistry).
Kommandeur, J. (Physical Chemistry).
Kuenen, Ph. H. (Geology, Mineralogy).
Meijer, C. S. (Mathematics).
Os, F. H. L. van (Pharmacy).
Perdok, W. G. (Mineralogy).
Raalte, M. H. van (Botany).
Ruiter, L. de (Comparative Physiology).
Ridder, J. (Mathematics).
Smid, L. J. (Mathematical Statistics).
Sparenbog, J. A. (Technical Mechanics).
Tolhoek, H. A. (Theoretical Physics).
Vooren, A. J. van de (Applied Mathematics).
Waard, H. de (Experimental Physics).
Wiebenga, E. H. (Inorganic Chemistry).
Wijk, R. van der (Systematic Botany).
Wynberg, H. (Organic Chemistry).

Faculty of Arts:
Baudet, H. (Economic and Social History).
Buma, W. J. (Frisian Language and Literature).
Delfgaauw, B. M. I. (Philosophy).
Elema, J. (German Literature).
Ensink, J. (Sanskrit).
Es, G. A. van (Dutch Literature).
Geers, G. J. (Spanish).
Guiraud, P. L. R. (French).
Heeroma, K. H. (Low Saxon).
Hospers, J. H. (Semitic Language and Literature and Eastern Archæology).
Hutte, H. A. (Social Psychology).
Jongkees, A. G. (Medieval History).
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Nieuwenhuis, H. (Pedagogy).
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Baudet, H. (Economic and Social History).
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Doedens, H. J. (Fiscal Law).
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Hartog, F. (Economics).
Jong, F. J. de (Economics).
Keuning, H. J. (Economics and Social Geography).
Korteweg, S. (Economics).
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Pen, J. (Political Economy).
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Number of students: 4,230 men, 1,836 women, total 6,066.

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Combined Faculties of Science and Arts: Prof. Dr. A. M. J. CHORUS.

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Faculty of Theology:
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BERKHOF, H. (Dogmatics, Theology, Ethics, Canon Law, Science of Missionary Approach).
BOER, P. A. H. DE (Old Testament).
BRUIN, C. C. DE (History of Christianity).
HIDDING, K. A. H. (History and Growth of Religions).
HOENDERDAAL, G. J. (History and Doctrines of Remonstrantism, Biblical and Practical Theology).
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MANDEL, M. (Physical Chemistry).
MAZUR, P. (Theoretical Physics).
MULLER, CHR. A. (Technical Science of Micro-waves).
MURRE, J. P. (Mathematics).
OORT, J. H. (Astronomy).
OOSTERHOFF, L. J. (Theoretical Organic Chemistry).
OOSTERHOFF, P. TH. (Astronomy).
PANNEKOEK, A. J. (Geology).
QUISPEL, A. (Experimental Botany).
SITTER, L. U. DE (Structural and Applied Geology).
STAVERMAN, A. J. (Physical Chemistry).
STEENHAUER, Miss A. J. (Toxicology and Forensic Chemistry).
STEENIS, C. G. G. J. VAN (Tropical Botany).
TACONIS, K. W. (Low Temperatures).
TEX, E. DEN (Petrology, Mineralogy and Crystallography).
VELDSTRA, H. (Biochemistry).
VISSER, C. (Applied Mathematics).
VOGELENZANG, E. H. (Pharmacy).
WOLTJER, L. (Astronomy).
WOLVEKAMP, H. P. (Experimental Biology).
ZAANEN, A. C. (Mathematical Analysis).

Faculty of Arts:
ALER, J. M. M. (German Literature).
BACHRACH, A. G. H. (English Literature).
BEETS, N. (General Psycho-diagnosis).
BERG, C. C. (Austronesian Languages).
BERG, J. H. VAN DEN (Psychological Phenomenology).
BEYEN, H. G. (Archæology).
BLOK, H. P. (Bantu Languages).
BOER, W. DEN (Ancient History).
BOMHOFF, J. G. (General Literature).
BRUGMAN, J. (Arabic Language and Recent Cultural History).
BRUYN, J. C. (Philosophy of Hegel).
CHORUS, A. M. J. (Psychology).

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COETSEM, F. VAN (Languages and Literature of Medieval Germany).
COHEN, A. E. (History of the Middle Ages).
DANKMEYER, J. (Physical Anthropology).
DRESDEN, S. (French Literature).
DREWES, G. W. J. (Arabic).
GALESTIN, TH. P. (Archæology and Ancient History of S. and S.E. Asia).
GRONINGEN, B. A. VAN (Greek).
HENDRIX, P. J. G. A. (Greek and History of the Culture of Early Christian, Byzantine and Modern Times).
HOFSTRA, S. (African Ethnology).
HULSEWÉ, A. F. P. (Chinese).
JAHN, K. E. O. (Turkish).
JANSMA, T. (Hebrew and Israeli Antiquities and Aramaic).
JONG, J. W. DE (Buddhology and Tibetan).
JOSSELIN DE JONG, P. E. (Cultural Anthropology of S.E. Asia and the Pacific).
KERNKAMP, J. H. (Economic and Social History).
KLASENS, A. (Egyptology).
DE KLERK, L. (Pedagogy).
KRAUS, F. R. (Languages and History of Babylonia and Assyria).
KUIPER, F. B. J (Sanskrit).
KUIPERS, A. H. (Baltic Slavonic Languages).
KUKENHEIM EZN, L. (French Language and Literature).
LAER, P. H. VAN (Thomistic Theology).
LIEFTINCK, G. I. (Western Paleography).
LIER, R. A. J. VAN (Sociology and Culture of Surinam and the Dutch Antilles).
LOCHER, G. W. (Sociology and Culture of S.E. Asia and the Pacific).
LOCHER, T. J. G. (General History).
MEKKES, J. P. A. (Calvinist Philosophy).
MINDERAA, P. (Dutch Language).
MODDERMAN, P. J. R. (Cultural Prehistory of West and Central Europe).
MOL, H. (Phonetics).
PEURSEN, C. A. VAN (Philosophy).
POORTMAN, J. J. (Metaphysics as interpreted in the spirit of Theosophy).
PRINS, A. A. (English Language).
REVE, K. VAN HET (Slavonic Literature).
RÜTER, A. J. C. (Social History).
SASSEN, F. L. R. (Philosophy).
SCHALLENBERG, E. W. (History of Music).
SCHAPER, B. W. (General History).
SCHÖFFER, I. (History of the Netherlands).
SIERTSEMA, Miss B. (African Linguistics).
SOETEMAN, C. (German Language).
STUTTERHEIM, C. F. P. (Dutch Language).
TEEUW, A. (Bahasa Indonesia and Malay).
UHLENBECK, E. M. (General Linguistics and Javanese).
VOS, F. (Japanese and Korean).
WAAL, H. VAN DE (History of Art).
WASZINK, J. H. (Latin).
ZÜRCHER, E. (History of the Far East).

KATHOLIEKE UNIVERSITEIT TE NIJMEGEN

(Roman Catholic University of Nijmegen)

WILHELMINASINGEL 13, NIJMEGEN

Telephone: 25141

Founded 1923.

Governing Body: Stichting Katholieke Universiteit.
Chairman of the College of Curators: Mgr. Prof. Dr. R. R. POST.
Secretary of the College of Curators: Dr. F. M. E. HAAN.
Rector Magnificus: T. A. BIRRELL.

Number of teachers: 196, including 103 professors.
Number of students: 4,068.

DEANS:

Faculty of Theology: Dr. H. P. A. CORNELISSEN, O.P.
Faculty of Arts: Dr. L. J. ROGIER.
Faculty of Law: Dr. S. F. L. Baron VAN WIJNBERGEN.
Faculty of Medicine: Dr. J. VAN DER VEEN.
Faculty of Sciences: Dr. A. G. M. VAN MELSEN.

PROFESSORS:

Faculty of Theology:
ANTHONISSE, Dr. ZACHARIAS (History of the Christian Orient, Oriental Canonic Law and Oriental Liturgy, Russian Language and Literature).
CORNÉLIS, E. M. J.M. (History and Philosophy of Religions).
CORNELISSEN, H. P. A. (Moral Theology and Mysticism).
EYKEMANS, E. TH.M. (Canonical and Mission Law).
GOEMANS, M. (Patristics, History of the Early Church and History of Dogma).
GROSSOUW, W. K. M. (New Testament).
HENDRIKX, H. J. E. (History of Asceticism and Mysticism).
PLOEG, J. P. M. VAN DER (Old Testament and Hebrew).
POL, VAN DE W. H. (Phenomenology of Protestantism).
POST, Dr. R. R. (Church Law).
SCHILLEBEECK, E. C. F. A. (Dogmatic Theology and History of Theology).

Faculty of Arts:
ALLARD, E. M. A. A. (Non-Western Sociology).
ASSELBERGS, W. J. M. A. (Dutch and Comparative Literature).
BIRRELL, T. A. (English Literature).
BOGAERS, J. E. A. TH. (Roman and Mediaeval Archæology).
BOXTEL, J. J. P. VAN (Ethics).
BUYTENDIJK, F. J. J. (General Psychology).
CALON, P. J. A. (Psychology).
COOLS, R. H. A. (Social Geography).
DIBON, P. A. G. (French Literature).
FORTMANN, H. M. M. (Medical Psychology, Cultural and Religious Psychology).
GIELEN, J. J. (Practical Pedagogy).
GOLLIET, P. (French Literature).
GRINTEN, E. F. VAN DER (History of Contemporary Art).
HEERE, W. R. (Political, Economic and Social Geography).
HOUBEN, J. (Islamic Doctrine and Institutions).
JANSSEN, H. H. (Latin Language and Literature).
LEEMANS, E. J. (Positive Sociology).
LOO, K. J. M. VAN DER (Clinical-Psychological Methods).
MANNING, A. F. (Twentieth Century History).
MEER, F. G. L. VAN DER (Christian Archæology and Liturgy).
MEEUWESSE, A. C. M. (Theory of Foreign Literature of the 20th Century).
MELSEN, A. G. M. VAN (Logic and Natural Philosophy).
MOHR, R. (Ethnology).
MOHRMANN, CHR. (Early Christian, Vulgar, and Medieval Latin, Early Christian Greek).
PLAT, J. (Metaphysics and Introduction to Philosophy).
POST, R. R. (Dutch and General Medieval History, Diplomatics and Palæography, Medieval and Modern Church History).
RIJK, L. M. DE (History of Medieval Philosophy).
ROBBERS, J. H. (History of Philosophy).
ROGIER, L. J. (Modern Dutch and General History).
ROS, J. G. A. (Greek Language and Literature).
RUTTEN, F. J. TH. (Psychology).
RUYGERS, H. J. C. M. G. (Social Philosophy).
SMET, G. A. R. DE (German Language).
STORMS, F. (English Language)
STRASSER, S. (Philosophical Psychology and Anthropology).
TERLINGEN, J. H. (Spanish and Italian Language).
THURLINGS, J. M. G. (Empiric Sociology).
VIDOS, B. E. (Romance Linguistics).
WAELE, F. J. M. DE (Greek and Roman History and Institutions and Classical Archæology).
WESSELS, P. B. (German Language).
WEYNEN, A. A. (Dutch Philology, Indo-Germanic Philology).
WINKELMAN, P. H. (Social and Economic History).
WILS, J. A. F. (General Philology).
WISSINK, G. A. (Planning).

Faculty of Law:
CERUTTI, F. F. X. (Introduction to Jurisprudence, Agricultural Law).
DUYNSTEE, F. J. F. M. (Constitutional and Administrative Law, Public Law).
ECK, D. VAN (Criminal Law, Law of Criminal Procedure, Criminology, Philosophy of Law).
GRINTEN, W. C. L. VAN DER (Private Law).
GROENEVELD, G. W. (Political Economy and Statistics).
HERMESDORF, B. H. D. (Roman and Early Dutch Law).
MAEYER, J. M. M. (Commercial Law and International Private Law).
NOUWEN, L. J. M. (Tax Law).

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ONLIN, W. H. J. (History of Canonic Law).
RUTTEN, L. E. H. (Law of Civil Procedure).
SCHLICHTING, L. G. A. (National and International Theories of Law).
STUYT, A. M. (Treaty Law and Public Law).
VEN, F. J. H. M. VAN DER (Labour Law).
WIJNBERGEN, Baron S. F. L. VAN (Municipal Law, County Law, Constitutional Law and Public Works).

Faculty of Medicine:
AMERONGEN, A. J. VAN (Surgical Dentistry).
ARIËNS, E. J. (Pharmacology).
BRINKMAN, W. F. B. (Otology, Rhinology, Laryngology).
GEERTS, S. J. (Biology, Genetics).
HEUVEL, J. E. A. VAN DEN (Ophthalmology).
HORSTEN, G. P. M. (Physiology).
KREUZER, F. J. A. (Physiology).
LAMMERS, H. J. (Anatomy, Embryology).
LINDEN, F. P. G. M. VAN DER (Orthodontics).
MAJOOR, C. L. H. (Internal Medicine).
MALI, J. W. H. (Skin and Venereal Diseases).
MAYERSBACH, K. H. VON (Cytology and Histology).
MERKX, C. A. (Oral Surgery).
MERTENS, A. TH. M. (Social Medicine).
MOEYS, E. J. (Surgery).
PRICK, J. J. G. (Neurology, Psychiatry, Neurophysiology, Psychopathology).
SAN GIORGI, G. M. (Orthopædics).
SLOOFF, J. P. (Pædiatrics).
STOLTE, L. A. M. (Gynæcology, Obstetrics).
VEEN, J. VAN DER (Hygiene).
VENDRIK, A. J. H. (Medical Physics).
WYERS, H. J. G. (Pathological Anatomy).
ZILLIKEN, F. (Physiological Chemistry).

Faculty of Sciences:
ALKEMADE, C. T. J. (Experimental Physics).
BOER, J. H. DE (Algebra).
DYMANUS, A. (Experimental Physics).
GEERTS, S. J. (Biology, Genetics).
IONGH, J. J. DE (Mathematics).
KUYPER, C. M. A. (Chemical Cytology).
LEVELT, A. H. M. (Mathematics).
LINSKENS (Botany).
MELSEN, A. G. M. VAN (Introduction to Philosophy, Natural Philosophy).
NIEUWENHOVEN, L. M. VAN (Experimental Zoology).
NIVARD, R. J. F. (Organic Chemistry).
OOSTERHOFF, P. TH. (Astronomy).
OS, G. A. J. VAN (Physical Chemistry).
STEGGERDA, J. J. (General and Inorganic Chemistry).
SWART, J. J. DE (Theoretical Physics).
VENDRIK, A. J. M. (Physics).
VERBOVEN, E. J. (Theoretical Physics).

RIJKSUNIVERSITEIT TE UTRECHT

(State University)

UTRECHT, KROMME NIEUWE GRACHT 29
Telephone: 030/29441
Founded 1636.

President: C. TH. E. GRAAF VAN LYNDEN VAN SANDENBURG.
Rector Magnificus: Prof. Dr. H. FREUDENTHAL.
Secretary of the Senate: Prof. Dr. L. J. HIJMANS VAN DEN BERGH.
University Librarian: Dr. D. GROSHEIDE.

Number of teachers: 319, including 210 professors.
Number of students: 6,092 men, 1,953 women, total 8,045.
Publications: *Jaarboek, Gids.*

DEANS:

Faculty of Theology: Prof. Dr. G. QUISPEL.
Faculty of Law: Prof. Dr. P. J. HOOYKAAS.
Faculty of Medicine: Prof. Dr. L. A. HULST.
Faculty of Science: Prof. Dr. W. NIEUWENKAMP.
Faculty of Arts: Prof. Dr. A. R. HULST.
Faculty of Veterinary Medicine: Prof. Dr. CHR. ROMIJN.

PROFESSORS:

Faculty of Theology:
DOEVE, J. W. (History of Judaism).
GRAAF, J. DE (Ethics).
HOEKENDIJK, J. C. (Modern Church History).
HOENS, D. J. (Religious History).
HULST, A. R. (Hebrew).
ITTERZON, G. P. VAN (History of the Christian Religion).
JONKER, H. (Biblical and Practical Theology, Apostolate).
LINDE, S. VAN DER (History of the Dutch Reformed Church).
LOEN, A. E. (Philosophy of Religion).
OBBINK, H. W. (General Religious History, Egyptian Language).
QUISPEL, G. (Early Church History).
RULER, A. A. VAN (Biblical Theology and Christian Missions).
UNNIK, W. C. VAN (New Testament Exegesis and Early Christian Literature).
VRIEZEN, TH. CHR. (Old Testament Exegesis).

Faculty of Law:
BIMSBERGEN, W. C. VAN (Criminal Law, Criminology).
BOS, M. (International Law).
BRUYN, A. R. DE (Notarial Law).
DE MONTÉ VER LOREN, J. PH. (History of Dutch Law).
DETIGER, J. G. (Taxation Law)
DORHOUT MEES, T. J. (Commercial Law).
GROENMAN, SJ. (Sociology).
HANRATH, J. J. (Non-Western Economics).
HIJMANS VAN DEN BERGH, L. J. (Civil and International Private Law).
HOOYKAAS, J. P. (Constitutional and Administrative Law).
HUDIG, Miss J. C. (Juvenile Law).
KEMPE, G. TH. (Criminal Sociology, Criminal Psychology).
KLOEK, J. (Forensic Psychiatry).
KRUIJT, J. P. (Sociology).
OORT, J. C. (Political Economy, Statistics).
OPSTALL, S. N. VAN (Civil Law).
PATIJN, C. L. (International Relations).
PRINS, J. (Customs Law).
PRINS, W. F. (Constitutional and Administrative Law).
RIJKSEN, R. (Penitentiary Law).
SAUVEPLANNE, J. G. (International Private Law).
SCHUTTEVAER, H. (Taxation Law).
SLOT, R. (Political Economy).
VEN, J. J. M. VAN DER (Labour Law, Philosophy of Law).
ZEVENBERGEN, CHR. (Roman Law).

Faculty of Medicine:
AMERONGEN, J. VAN (Operative Dentistry).
ARNOLD, L. V. (Dentistry).
BROEKMAN, R. W. (Orthodontia).
CATE, G. TEN (Anatomy and Embryology).
DEENSTRA, H. (Pulmonary Diseases).
DOESSCHATE, J. TEN (Ophthalmology).
GERLINGS, P. G. (Oto-Rhino-Laryngology).
GISPEN, R. (Virology).
HENKES, H. E. (Ophthalmology).
HERMANS, E. H. (Dermatology and Venerology).
HORNSTRA, R. (Social Medicine).
HULST, L. A. (Clinical Medicine).
JANSEN, L. H. (Dermatology).
JANSEN, M. T. (Histology and Microscopic Anatomy).
JONGBLOED, J. (Physiology).
JORDAN, F. L. J. (Clinical Medicine).
JULIUS, H. W. (Hygiene).
MINJER, A. DE (Pathology).
NUBOER, J. F. (Surgery).
PLATE, W. P. (Gynæcology and Obstetrics).
RUYVEN, R. L. J. VAN (Heart Diseases).
SCHEFFER, H. M. J. (Operative Dentistry).
SILLEVIS SMITT, W. G. (Neurology).
STEVN PARVÉ, Miss E. P. (Physiological Chemistry).
STRUBEN, W. H. (Oto-Rhino-Laryngology).
TAUSK, M. (Endocrinology).
TJEBBES, W. J. A. (Oral Surgery).
WAARD, R. H. DE (Theory of X-rays).
WESTENBRINK, H. G. K. (Physiological Chemistry).
WEYERS, H. A. (Pædiatrics).
WIEBERDRINK, J. (Surgery).
WIED, D. DE (Pharmacology).
WINKLER, K. C. (Theory of Infection).

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Faculty of Science:

ALKEMADE, C. TH. J. (Experimental Physics).
ARENS, J. F. (Organic Chemistry).
BAREN, F. A. VAN (General Agro-geology).
BEMMELEN, R. W. VAN (Economic Geology).
BERLAGE, H. P. (Meteorology).
BLEEKER, W. (Meteorology).
BLIJ, F. VAN DER (Pure Mathematics, Analysis and Theory of Numbers).
BOER, H. W. DEN (Theoretical Organic Chemistry).
BRAAMS, C. M. (Plasmaphysics).
BRAUN, G. K. R. O. M. (Applied Mathematics).
BRETSCHNEIDER, L. H. (Citology, Histology, Microscopical Anatomy).
DEENEN, L. L. M. VAN (Biochemistry).
DIJKGRAAF, S. (Comparative Physiology).
ENDT, P. M. (Experimental Physics).
FREUDENTHAL, H. (Mathematics).
GROENEWEGE, M. P. (Chemistry).
HAAN, P. G. DE (Microbiology).
HOVE, L. C. P. VAN (Theoretical Physics).
JAGER, C. DE (Astrophysics).
JONKER, F. P. (Botany).
KAMER, J. C. VAN DE (Zoology).
KAMPEN, N. G. VAN (Theoretical Physics).
KERK, G. J. M. VAN DER (Technical Organic Chemistry).
KERLING, Miss L. C. P. (Plant Pathology).
KOENIGSWALD, G. H. R. VON (Stratigraphy, Palæontology).
KONINGSBERGER, V. J. (Botany).
KONINGSBERGER, V. V. (Biophysical Chemistry).
LANJOUW, J. (Botany).
LEPPINK, J. (Mathematical Statistics).
MILATZ, J. M. W. (Nuclear Physics).
NIEUWENKAMP, W. (Mineraiogy).
NIJBOER, B. R. A. (Theoretical Physics).
OVERBEEK, J. TH. G. (Physical Chemistry).
PEERDEMAN, A. F. (General Chemistry).
PINXTEREN, J. A. C. VAN (Pharmaceutical Chemistry).
RAVEN, CHR. P. (Zoology).
REITH, J. F. (Toxicology).
RÜMKE, C. L. (Genetics).
RUTTEN, M. G. (General Geology).
SANTEN, J. H. VAN (Solid State Chemistry).
SCHOLTE, J. G. J. (General Geophysics).
SLUIS, A. VAN DER (Numerical Mathematics).
SMIT, J. A. (Experimental Physics).
SMITTENBERG, J. (Analytical and Propædeutical Chemistry).
SORGDRAGER, P. (Pharmaceutics).
SPRINGER, F. A. (Mathematics).
STRUIK, J. B. (History of Mathematics and Science).
THOMAS, J. B. (Biophysics).
UBBINK, J. B. (Philosophy of Science).
UFFELIE, O. F. (Pharmacy).
UNDERHILL, Miss A. B. (Astrophysics).
VEEN, R. VAN DER (Botany).
VELDKAMP, J. (Terrestrial Magnetism and Seismology).
VERDOORN, F. (History of Biology).
VOLGER, J. (Solid State Physics).
VONK, H. J. (Chemical Animal Physiology).
ZONNEVELD, J. I. S. (Physical Geography).

Faculty of Arts:

ALBERTS, W. J. (Mediaeval Interregional History).
BAAL, J. VAN (Sociology of Religion).
BERG, B. VAN DEN (Dutch Language).
BOOGMAN, J. C. (Modern History).
BRANDT, C. D. J. (Modern History).
BRANDT, J. C. CORSTIUS, (Comparative Literature).
COOLHAAS, W. PH. (History).
DAM, C. F. A. VAN (Spanish Language and Literature).
DRAAK, Miss A. M. E. (Celtic).
ENG, J. VAN DER (Russian).
FERMIN, Miss M. H. J. (Italian Language and Literature).
FISCHER, H. TH. (Ethnology).
GELDER, J. G. VAN (History of Art).
GONDA, J. (Philology, Sanskrit, Avestic, Old Persian).
GROENMAN, S. (Sociology).
HECKSCHER, W. S. M. H. (Iconography, History of Early Medieval Art).
HOUWENS POST, H. (Portuguese).
HUGENHOLTZ, F. W. N. (Medieval History).
HUISMAN, J. A. (Comparative German Philology).
HULST, A. R. (Hebrew).
JONGKEES, J. H. (Archæology).
KELLER, H. E. (French Language).
KERNKAMP, J. H. (Economic and Social History).
KOHLBRUGGE, Miss D. J. (Persian Language).
KRUIJT, J. P. (Sociology).
KUYPERS, K. (Philosophy and History of Philosophy).
LANGEVELD, M. J. (Pedagogics).
LENAERTS, R. B. (Music).
LENNEP, D. J. VAN (Psycho-Diagnostics).
LINSCHOTEN, J. (Experimental General Psychology).
MULDER, M. (Social Psychology).
NELSON, H. L. W. (Latin Language and Literature).
OZINGA, M. D. (History of Architectural Art).
PERQUIN, N. C. A. (Pedagogics).
PRINS, J. (Non-Western Sociology).
REESER, H. E. (History of Music).
ROMPELMAN, T. A. (German Language and Literature).
SMIT, W. A. P. (Dutch Literature).
TEESING, H. P. H. (Modern German Literature).
TENHAEFF, W. H. C. (Parapsychology).
THIEL, J. H. (Ancient History).
VERDENIUS, W. J. (Greek Language and Literature).
VLEESKRUYER, R. (English Language and Ancient Literature).
VLIEGENTHART, W. E. (Orthopsychology and Special Education).
VOGEL, Miss C. J. DE (History of Ancient and Medieval Philosophy).
VOOYS, A. C. DE (Social and Economic Geography).
WAGENAAR-NOLTHENIUS, Mrs. H. (Ancient and Medieval History of Music).

Faculty of Veterinary Medicine:

AKKER, S. VAN DEN (Pathological Anatomy and Pathological History).
BRETSCHNEIDER, L. H. (Cytology, Histology, Microscopical Anatomy).
FRENS, A. M. (Dietetics)
GENDEREN, H. VAN (Veterinary Pharmacology and Biological Toxicology).
GILS, J. H. J. VAN (Dietetics).
GROOT, T. DE (Zootechnics).
HIRSCHFELD, W. K. (Zootechnics).
HOEKSTRA, P. (Zootechnics).
JANSEN, J. (Immunology, Virology).
KAAY, F. C. V. D. (Gynæcology and Obstetrics).
MEYLING, H. A. (Anatomy).
NUMANS, S. R. (Surgery).
PETTE, J. W. (Milk Hygiene).
ROMIJN, C. (Physiology).
SCHAAF, A. VAN DER (Bacteriology).
SEEKLES, L. (Medical-Veterinary Chemistry).
SWIERSTRA, D. (Parasitology).
TEUNISSEN, G. H. B. (Medicine of Small Domestic Animals)
THIJE, J. H. TEN (General and Comparative Pathology).
WAGENAAR, G. (Clinical Medicine).
WILSON, S. G. (Tropical Diseases).

VRIJE UNIVERSITEIT

AMSTERDAM, KEIZERSGRACHT 160-166
Telephone: 62971

Founded 1880.

President of Trustees: Dr. J. DONNER.
Rector Magnificus: W. F. DE GAAY FORTMAN.
Secretary of the Senate: Prof. Dr. G. A. LINDEBOOM.

Number of professors: 93.
Number of students: 2,811 men, 566 women, total 3,377.
Publication: *Free University Quarterly.*

DEANS:

Faculty of Science: Prof. Dr. J. LEVER.
Faculty of Law: Prof. Dr. I. A. DIEPENHORST.
Faculty of Theology: Prof. Dr. D. NAWTA.
Faculty of Arts: Prof. Dr. G. J. D. AALDERS.
Faculty of Medicine: Prof. Dr. H. K. OOSTERHUIS.
Faculty of Economics: Prof. Dr. P. BORST.

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PROFESSORS:

Faculty of Science:
ALGERA, L. (Botany).
BLOK, J. (Physics).
COOPS, Ir. J. (Chemistry).
FLIERT, J. R. VAN DER (Geology).
GROEN, P. (Meteorology and Oceanography).
GROSHEIDE, G. H. A. (Mathematics and Astronomy).
HOOYKAAS, R. (History of Science).
JONKER, C. C. (Physics).
KOKSMA, J. F. (Mathematics).
KUILMAN, L. W. (Tropical Plants).
LEVER, J. (Zoology).
LOS, J. M. (Physical Chemistry).
MULLENDER, P. (Mathematics).
NAUTA, W. TH. (Organic Chemistry and Medicinal Chemistry).
SIZOO, G. J. (Physics).
UYTENBOGAARDT, W. (Mineralogy).
VAN DALEN, E. (Chemistry).
VAN ROOYEN, J. P. (Statistical Mathematics).
VOOUS, K. H. (Zoo-Geography).
WELLER, A. (Physical Chemistry).
WIGGERS, A. J. (Physical Geography).

Faculty of Law:
BIANCHI, H. (Criminology).
DE GAAY FORTMAN, W. F. (Commercial Law and Judicial Procedure).
DIEPENHORST, J. A. (Criminal Law).
DOOYEWEERD, H. (Legal Philosophy).
GERBRANDY, S. (Civil Law).
HELLEMA, H. J. (Financial Law).
KUYPERS, G. (Political Sciences and International Relations).
SCHOLTEN, L. W. G. (Constitutional Law).
VAN DER KOOY, T. P. (Political Economy).
VAN WYK, H. D. (Dutch Administrative Law).
VERDAM, P. J. (Roman and International Law).
VERSTEEG, TH. A. (Notarial Law).

Faculty of Theology:
BAVINCK, J. H. (Missiology and Practical Theology).
BERG, J. VAN DEN (Ethics).
BERKOUWER, G. C. (Dogmatics).
GISPEN, W. H. (Old Testament Exegesis).
MEULEMAN, G. E. (Symbolics, Apologetics).
NAUTA, D. (Ecclesiastical History, Ecclesiastical Law).
RIDDERBOS, N. H. (Old Testament Exegesis).
SCHIPPERS, R. (New Testament Exegesis and Ethics).

Faculty of Arts:
AALDERS, G. J. D. (Greek and Roman History).
ATTEMA, D. S. (Middle Eastern Languages).
BLAANN, J. (Religions in the Non-Western Territories).
BRUNSTING, H. (Classical Archæology).
CARON, W. J. H. (Dutch Language).
DE VRIES, G. J. (Greek Language and Literature).
FOKKEMA, K. (Frisian Language and Literature).
FOKKEMA, S. D. (General Psychology and Methodology).
GESCHIERE, L. (French Language and Literature).
GISPEN, W. H. (Semitic Languages).
HESLINGA, M. W. (Social Geography).
KUIPER, G. (Dutch Language and Literature).
KUYPER, D. (Latin Language and Literature).
LEE, A. VAN DER (German Language and Liteature).
ONVLEE, L. (Cultural Anthropology).
SANDERS, C. (Theoretical Psychology).
SCHREUDER, H. (English Language and Literature).
SIENTSEMA, B. (General Linguistics and Phonetics of English).
SMIT, M. C. (History).
SMITSKAMP, H. (History).
THIERRY, J. J. (Greek and Latin Language and Literature).
VOLLENHOVEN, D. H. TH. (Philosophy).
WATERINK, J. (Pedagogics and Psychology).
WIELENGA, G. (Experimental and Statistical Psychology).
WIERINGA, W. J. (Economic and Social History).
WIJNGAARDEN, H. R. (Psychology).
ZUIDEMA, S. U. (Philosophy).

Faculty of Medicine:
BOOIJ, J. (Pharmacology and Neurobiology).
DEN OTTER, G. (Surgery).
DONNER, R. (Morbid Anatomy).
DROGENDIJK, A. C. (Social Medicine).
FOLKERTS, J. F. (Neurology).
HOITINK, A. W. J. H. (Physiology).
JANSE DE JONGE, A. L. (Medical Psychology).
JANSSENS, J. (Gynæcology and Obstetrics).
LINDEBOOM, G. A. (Internal Medicine).
OOSTERHUIS, H. K. (Chemical Physiology).
STAHLIE, T. D. (Pædiatrics).
STAM, F. C. (Neuropathology).
STOLK, A. (Anatomy).
VAN DER HORST, L. (Psychiatry and Experimental Psychology).
VAN FAASSEN, F. (Anatomy).
VAN TONGEREN, H. A. E. (Medical Microbiology).
VELZEBOEN, C. M. J. (Opthalmology).

Faculty of Economics and Social Science:
BORST, P. (Civil Law).
DE GAAY FORTMAN, W. F. (Commercial Law and Judicial Procedure).
DE JONG, G. (Economic Geography).
DE KAMPEN, L. VAN (Accountancy).
DE ROOS, F. (Economic Theory).
GOUDSWAARD, G. (Statistics).
HELLEMA, H. J. (Financial Law).
KUIPER, G. (Sociology).
RENOOY, D. C. (Political Economy).
SCHOLTEN, L. W. G. (Constitutional Law).
SCHOORL, J. W. (Non-Western Sociology).
THIERRY, H. (Business Management).
VAN DER KOOY, T. P. (Political Economy).
VAN DIJK, R. (Sociology).
VAN MUISWINKEL, F. L. (Business Management).
WIERINGA, W. J. (Economic and Social History).

TECHNICAL UNIVERSITIES

TECHNISCHE HOGESCHOOL TE DELFT
(Technological University of Delft)
P.O. BOX 5, DELFT
Telephone: 33222

Founded 1842.

Chairman of Board of Governors: Ing. L. SCHEPERS.
Rector Magnificus: Prof. Ir. H. J. DE WIJS.
Secretary: Dr. H. A. BAKELS.
Librarian: Dr. L. J. VAN DER WOLK.

Number of professors: 163.
Number of students: 7,118.

DEANS:

General Science Department: Prof. Ir. R. TIMMAN.
Civil Engineering Department: Prof. Ir. F. C. U. BERKHOUT.
Architectural Department: Prof. Ir. A. VAN KRANENDONK.
Mechanical Engineering Department: Prof. Dipl.Ing. J. BEYER.
Electrical Engineering Department: Prof. Ir. W. FONTEIN.
Chemical Engineering Department: Prof. Drs. W. BERENDS.
Mining Engineering Department: Prof. O. KOEFOER.
Technical Physics Department: Prof. Dip. Ing. J. B. WESTERDIJK.
Naval Architecture, and Aircraft Construction Department: Prof. Ir. H. E. JAEGER.

PROFESSORS:

General Science Department:
BOTTEMA, Dr. O. (Pure and Applied Mathematics and Mechanics).
COHEN, Dr. Ir. J. W. (Pure and Applied Mathematics and Mechanics).
DUPARC, Dr. H. J. A. (Pure and Applied Mathematics and Mechanics).
DWINGER, DR.PH. (Pure and Applied Mathematics).
GORDE, Dr. B. DE (Constitutional and Administrative Law).
GRAAF, M. H. K. VAN DER (Working Physiology).
GROOT, J. DE (Industrial Hygiene).
HAAN, P. DE (Civil and Agrarian Law).
HOOP, Dr. Ir. A. T. DE (Applied Mathematics).

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KOSTEN, Dr. Ir. L. (Pure and Applied Mathematics and Mechanics).
KRUIJT, Dr. C. S. (Town Planning and Sociology).
KRUISINGA, Dr. H. J. (Finance and Cost Accounting).
KUIPERS, Dr. L. (Pure and Applied Mathematics and Mechanics).
LOONSTRA, Dr. F. (Pure and Applied Mathematics).
MEULENBELD, Dr. B. (Pure and Applied Mathematics and Mechanics).
POEL, Dr. Ir. W. L. VAN DER (Applied Logic as fundamental of structure and use of computers).
POELJE, Dr. S. O. VAN.
RIESSEN, Dr. Ir. H. VAN (Calvinistic Philosophy).
SIEBEN, Ir. J. W. (Statistics).
SIKKEMA, Dr. P. C.
SPIEGEL, Dr. E. VAN (Pure and Applied Mathematics and Mechanics).
TELLEGEN, Dr. Ir. F. P. A. (Thomistic Philosophy).
TIMMAN, Dr. R. (Pure and Applied Mathematics and Mechanics).
VEEN, Dr. S. C. VAN (Pure and Applied Mathematics and Mechanics).
VELDMAN, Dr. Mr. Dr. Ir. A. R. (Industrial Property).
WAL, Dr. L. G. VAN DER (Philosophy, esp. Ethics).
WOESHIJNE, Dr. W. J. VAN DER (Economics).

Civil Engineering Department:
BAARDA, Ir. W. (Geodesy and Surveying).
BENDEGOM, Ir. L. VAN (Hydraulic Engineering).
BERG, Dr. Ir. C. VAN DER (Rural Economy, Soil Science and Land Use).
BERKHOUT, Ir. F .M. C. (Irrigation).
BOUMA, Ir. A. R. H. (Applied Mechanics).
BROUWER, Ir. A. R. H. (Applied Hydraulic Engineering).
BRUINS, Ir. G. J. (Geodesy).
CUPERUS, Ir. J. L. A. (Railway Construction).
DOUWEN, Ir. A. A. VAN (Steel Construction).
HAAN, P. DE (Civil and Agrarian Law).
HAAS, Dr. Ir. A. M. (Reinforced Concrete Construction).
HEER, Ir. A. DE (Building Construction).
JANSEN, Ir. P. P. (Hydraulic Engineering).
JOSSELIN DE JONG, Dr. Ir. G. DE (Applied Mechanics).
KLEIN, Ir. J. L. (Reclamation).
KRUL, W. F. J. M. (Sanitary Engineering).
MOSTERTMAN, Ir. L. J. (Hydraulics).
NANNINGA, Ir. N. (General and Applied Soil Mechanics).
ROELOFS, R. (Geodesy).
THEISSING, Dr. E. M. (Building Materials).
VOLMULLER, Ir. J. (Roads).
VREEDENBURGH, Ir. C. G. J. (Applied Mechanics).
WEELE, A. J. VAN DER.
WILDSCHUT, Dr. Ir. A. J. (Building Materials).
WITT, Ir. G. F. (Geodesy).
ZWEERS, Ir. B. H. H. (Architecture).

Architectural Department:
BAKEIMA, J. B.
BERGHOEF, Ir. J. F. (Architectural Geometry).
BROEK, Ir. J. H. VAN DEN (Architecture).
BROUWER, H. (Architectural Design).
DONK, Ir. P. (Decorative Art).
EESTEREN, C. VAN (Town Planning).
EMBDEN, S. J. VAN.
FROGER, Ir. J. H. (Town Planning).
GRINTEN, G. J. VAN DER.
HAMMACHER, Dr. A. M. W. J. (History of Art).
HOLT, G. H. M. (Architecture).
KIST, Ir. H. J. (Applied Mechanics).
KRANENDONK, Ir. A. VAN (Architectural Design).
KRUIJT, Dr. C. S. (Town Planning and Sociology).
KUILE, Dr. E. H. TER (History of Architecture).
MAZURE, Dr. Ir. J. P. (Applied Mechanics).
POELJE, Dr. S. O. VAN (Building Legislation).
WEGENER SLEESWIJK, Ir. C. (Design and Architectural Forms).
ZWEERS, Ir. B. H. H. (Industrial Building).

Mechanical Engineering Department:
BERKEL, Ir. F. C. A. A. VAN (Chemical Mechanics).
BESSELING, Dr. Ir. J. F. (Technical Mechanics).
BEYER, Dipl. Ing. J. (Textile Technology).
BLOK, Ir. H. (Machine Elements).
BOITEN, Ir. R. G. (Control Engineering).
BOS, Ir. W. A. (Mechanical Engineering).
BROEZE, Ir. J. J. (Combustion Engines).
ELDIK THIEME, Ir. H. C A. VAN (Railway Mechanical Engineering).
GEESLINGS, Dr. Ir. H. G.
HINZE, Ir. J. O. (Aerodynamics, Hydrodynamics).
JONG, Dr. D. DE (Precision Mechanics).
JONG, Ir. J. A. DE (Steam Turbines).
JONGENBURGER, Ir. P. (Engineering Materials).
KLERCK, Ir. A. H. DE (Mechanical Engineering).
KOCH, Dr. Ir. J. J. (Applied Mechanics).
KOITER, Dr. Ir. W. T. (Applied Mechanics).
KOOLEN, Ir. D. A. A. (Mechanical Technology).
LATZKO, Ir. D. G. H. (Nuclear Physics).
LIER, J. J. C. VAN (Energy Provision).
MERK, Dr. Ir. H. J. (Aerodynamics, Hydrodynamics).
MITCHELL, R. W. S. (Gas Turbines).
PATER, Dr. Ir. A. D. DE (Applied Mechanics).
PEKELHARING, Ir. A. J. (Production Engineering).
PRINS, Ir. G. (Transport Engineering).
SCHUT, Ir. J. W. (Machine Tool Design).
STAL, Ir. H. P. (Mechanical Technology).
UYTENBOGAART, Dr. Ir. J. W. H. (Textile Technology).
VÁHL, Dr. Ing. L. (Refrigerating and Drying).
ZUITHOFF, Dr. A. J. (Metallurgy).
(Vacant—Combustion Engine Construction).

Electrical Engineering Department:
ALEXANDER, Ir. J. W. (Electronics).
BOEREMA, Ir. H. B. (Electrotechnical Applications).
BORDEWIJK, Dr. Ir. J. L. (Switch Technics).
BREEDVELD, Ir. M. P. (Electronics).
BURG, Dr. Ir. F. A. W. VAN DEN (Electrical Engineering and Electrical Machinery).
DIEHL, Dr. Ir. M. G. (Construction of Power Current Electrical Apparatus).
FONTEIN, Ir. W. (Power Current).
HEYN, Dr. Ir. F. A. (High Voltage Technics).
HOOP, Dr. Ir. A. T. DE (Alternating Current Theory).
LANGE, Ir. M. DE (Power Current Machines).
LEMKE, Ir. H. R. VAN NAUTA (Electricity).
LOMMEL, H. L. VAN.
OBERMAN, Dr. Ir. R. M. M. (Telegraphy and Automatic Telephones).
SCHOUTEN, Dr. Ir. J. P. (Electricity).
SOEST, Dr. Ir. J. L. VAN (H.F. Engineering).
SPRENGER, Ir. TH. J. (Electronics).
TELLEGEN, Ir. B. D. H. (Electricity and Electronics).
VORSTER, Ir. A. G. (Electric Traction).
WEILER, Jhr. Ir. J. L. W. C. VON (Radio Engineering).
ZOETEN, Ir. G. DE (High-Voltage Transmission).

Chemical Engineering Department:
BERENDS, Drs. W. (Biochemistry).
BERG, Drs. P. J. VAN DEN (Chemical Technology).
BERKEL, Ir. F. C. A. A. VAN (Chemical Mechanics).
BOER, Dr. J. H. DE (Chemical Technology).
BURGERS, Dr. W. G. (Physical Chemistry).
DIEPEN, Dr. Ir. G. A. M. (Inorganic and Physical Chemistry).
HEERTJES, Dr. Ir. P. M. (Chemical Technology).
HOEKSTRA, Dr. J. (Theoretical Chemistry).
HOUTMAN, Ir. J. P. W. (Chemical Technology).
KARSTEN, Dr. P. (Analytical Chemistry).
KREVELEN, Dr. D. W. VAN (Fuel Technology).
MEIJERING, Dr. J. L. (General Metallurgy).
PRINS, Dr. W. (Macroanalysis).
ROELOFSEN, Dr. P. A. (Botany).
UYTENBOGAART, Dr. Ir. J. W. H. (Textile Technology).
VLUGTER, Dr. Ir. J. C. (Chemical Technology).
WEPSTER, Dr. Ir. B. M. (Organic Chemistry).
WIKÉN, Dr. T. O. (Microbiology).

Mining Engineering Department:
DUFOUR, Dr. J. (Palæontology and Historical Geology).
ENGELBERT VAN BEVERVOORDE, Ir. W. F. C. (Economic Geology).
FABER, Dr. Ir. F. J. (Geology and Cartography).
GRAAF, Ir. J. E. DE (Ferrous Metallurgy).
KOEFOED, O. (Geophysics).
MAAS, Dr. W. (Physical Aspects of Mining).
ROORDA, Ir. H. J. (Mineral Dressing).
SELDENRATH, Ir. T. R. (Mining).
THOMEER, Ir. J. H. M. A. (Petroleum Engineering).
VELZEBOER, Ir. P. T. (Geology).
WIJS, Ir. H. J. DE (Mineralogy and Petrology).

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Technical Physics Department:
Blaisse, Dr. B. S. (Pure and Applied Physics).
Bueren, Dr. H. G. van (Solid State Physics).
Druyvesteyn, Dr. M. J. (Physics of Materials).
Heel, Dr. A. C. S. van (Optics).
Kosten, Dr. Ir. C. W. (Acoustics).
Kronig, Dr. R. (Theoretical Physics).
Merk, Dr. Ir. H. J. (Aerodynamics, Hydrodynamics).
Polder, Dr. D. (Theoretical Physics).
Poole, Dr. Ir. J. B. le (Nuclear Physics).
Prins, Dr. J. A. (Thermodynamics).
Smidt, Dr. Ir. J.
Verhagen, Dr. Ir. C. J. D. M. (Instrument Technology).
Wapstra, Dr. A. H. (Experimental Nuclear Physics).
Went, Dr. J. J. (Nuclear Physics).
Westerdijk, Dipl. Ing. J. B. (Spectural Analysis and Magnetism).
Wolff, Dr. Ir. P. M. de (Pure and Applied Physics).

Naval Architecture and Aeronautical Engineering Department:
Erdman, Dr. Ing. S.F.A.H.P. (Aeronautical Engineering, Supersonic Aerodynamics).
Gerritsma, Ir. J. (Naval Architecture).
Jaeger, Ir. H. E. (Ship Design).
Koiter, Dr. Ir. W. T. (Applied Mechanics).
Maas, Dr. Ir. H. J. van der (Flight Mechanics).
Manen, Dr. Ir. J. D. van (Ship Resistance and Protection).
Neut, Dr. Ir. A. van der (Aircraft Construction).
Oosterom, Ir. F. van (Aircraft Instruments).
Stekettee, Dr. Ir. J. A. (Flight Aero-dynamics).
Struik, J. B. (History of Mathematics and Science).
Taub, Dr. Ing. J. (Aircraft Construction).
Wittenberg, Ir. H. (Flight Mechanics).

TECHNISCHE HOGESCHOOL TE EINDHOVEN
(Technological University of Eindhoven)

INSULINDELAAN 2, EINDHOVEN
Telephone: 68000
Telegraphic Address: Technische Hogeschool Eindhoven

Founded 1956

Chairman of the Board of Governors: Ir. H. B. J. Witte.
Secretary: Dr. D. A. de Vries.
Secretary of the Senate: Prof. Ir. C. de Beer.
Rector Magnificus: Prof. Dr. K. Posthumus.
Librarian: Dr. C. Groeneveld.

Number of professors: 71.
Number of students: 1,900.
Publications: *Jaarboek, Gids.*

Deans:

General Science Department: Prof. Dr. C. Zwikker.
Sub-Department of Mathematics: Prof. Dr. J. J. Seidel.
Sub-Department of (Applied) Physics: Prof. Dr. P. van der Leeden.
Mechanical Engineering Department: Prof. Dr. P. C. Veenstra.
Electrical Engineering Department: Prof. Dr. Ir. J. L. H. Jonker.
Chemical Engineering Department: Prof. Ir. J. G. Hoogland.

Professors:

General Science Department:
Department of Philosophy and Social Sciences:
Benders, Dr. J. F. (Mathematical and Numerical Aspects of Social Research).
Daniëls, Dr. M. J. M. (Psychology).
Monhemius, Ir. W. (Mathematical Aspects of Industrial Engineering).
Oldendorff, Dr. A. (Sociology).
Riessen, Dr. Ir. H. van (Philosophy on reformed basis).
Schouten, Dr. J. F. (Perception and Information Theory).
Steenkamp, Dr. P. A. J. M. (Social Law).
Tellegen, Dr. Ir. F., Ph.a. (Philosophy).
Wemelsfelder, Dr. J. (Economics).
Zoethout, Ir. D. A. C. (Industrial Organization).

Sub-Department of Mathematics:
Albas, Dr. J. B. (Mechanics).
Bouwkamp, Dr. C. J. (Applied Mathematics).
Bruijn, Dr. N. G. de (Mathematics).
Dijkstra, Dr. E. W. (Mathematics).
Hamaker, Dr. H. C. (Applied Statistics).
Haringx, Dr. Ir. J. A. (Applied Mechanics).
Lint, Dr. J. H. van (Mathematics).
Oosterkamp, Dr. Ir. W. J. (Applied Nuclear Physics).
Peremans, Dr. W. (Mathematics).
Seidel, Dr. J. J. (Mathematics).
Veltkamp, Dr. G. W. (Mathematics).

Sub-Department of Physics:
Broer, Dr. L. J. F. (Theoretical Physics).
Diemer, Dr. G. (Semi-conductor Physics).
Kruithof, Dr. A. A. (Applied Physics).
Leeden, Dr. P. van der (Physics-Instrumental).
Poppema, Dr. O. J. (Physics—Nuclear).
Rademaker, Ir. O. (Process Control).
Steenland, Dr. M. J. (Physics—Low Temperature).
Vossers, Dr. Ir. G. (Hydro and Aerodynamics).
Vries, Dr. D. A. de (Physics—Heat Transfer).
Zwikker, Dr. C. (Engineering Materials).

Mechanical Engineering Department:
Aninga, J. B. (Industrial Mechanisation).
Beer, Ir. C. de (Mechanical Technology and Mechanical Engineering).
Bogaardt, Dr. M. (Heat Technology and ReactorEngineering).
Esmeyer Ir. W. L. (Engineering Mechanics).
Haringx, Dr. Ir. J. A. (Applied Mechanics).
Hoek, Ir. W. van der (Mechanical Engineering).
Horowitz, Ir. A. (Mechanical Engineering—Agr. Mach. and Household Appl.).
Laméris, Ir. H. (Mechanical Engineering—Conventional Heat Technology).
Muller, Dr. Ir. H. L. (Mechanical Engineering—Precision Technology).
Schlösser, Dr. Ir. W. M. J. (Mechanical Engineering).
Schmid, Dr. Ir. W. L. H. (General Mechanical Engineering).
Seyffardt, Ir. A. L. W. (Mechanical Engineering—Automobile Engineering).
Veenstra, Dr. P. C. (Mechanical Technology).
Vollenhoven, Ir. J. van (Mechanical Engineering—Internal Combust. Eng.).
Wateren, Ir. C. G. van der (Mechanical Engineering—Design of Chemical Installations and Equipment).
Zaat, Dr. J. H. (Mechanical Engineering).

Electrical Engineering Department:
Bremmer, Dr. H. (Electromagnetic Theory).
Dijl, Ir. B. van (Electronics).
Fettweis, Ir. A. (Theoretical Electrical Engineering).
Heetman, Ir. A. (Telecommunication—Data Processing Techniques).
Horst, Dr. D. T. J. ter (Eng. of High Voltage and High Currents).
Jong, Dr. Ir. H. C. J. de (Electrical Machinery Design).
Jonker, Dr. Ir. J. L. H. (Electronics—Electron Tube Technology).
Knol, Dr. K. S. (Electronics).
Mulders, Dr. C. E. (Measurement and Control).
Niesten, Dr. Ir. J. G. (Electromechanical Energy Conversion).
Trier, Dr. Ir. A. A. Th. M. van (Circuit Theory and Electromagnetic Theory).
Zoest, Ir. W. H. van (Telecommunication).
Zwikker, Dr. C. (Engineering Materials).

Chemical Engineering Department:
Boekenoogen, Dr. H. A. (Chemical Technology).
Eck, Dr. C. L. van Panthaleon Baron van (General and Physical Chemistry).
Fast, J. D. (Physical Chemistry-Thermodynamics and Metals).
Hoogland, Ir. J. G. (Theoretical and Applied Electrochemistry).
Keulemans, Dr. Ir. A. I. M. (Instrumental Analytical Chemistry).
Koningsberger, Dr. C. (Organic Chemistry).
Loon, Dr. Ir. W. van (Chemical Technology).
Perquin, Dr. Ir. J. N. J. (Petroleum Technology).
Posthumus, Dr. K. (General and Physical Chemistry).
Stevels, Dr. J. M. (Inorganic Chemistry—Chemistry of Silicates).

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RIECK, Dr. G. D. (Physical Chemistry).
RIETEMA, Dr. K. (General Process Engineering).
SCHUIT, Dr. G. C. A. (Inorganic Chemistry).

LANDBOUWHOGESCHOOL
(State Agricultural University of Wageningen)

WAGENINGEN, SALVERDAPLEIN 10

Founded 1918.

President: Ir. A. P. MINDERHOUD.
Rector Magnificus: Prof. Ir. W. F. EIJSVOOGEL.
Secretary of the Senate: Prof. A. J. P. OORT.
Secretary of the University: J. DE VISSER.

Number of teachers: 100, including 61 professors.
Number of students: 1,163 men, 222 women, total 1,385.

Publications: *Mededelingen van de Landbouwhogeschool, Programma van de Landbouwhogeschool, Jaarboek van de Landbouwhogeschool.*

PROFESSORS:

BALLENDUX, A. H. (Jurisprudence and Political Science of Non-Western Territories).
BIJHOUWER, J. T. P. (Landscape Architecture).
BOIS, W. F. DU (Textile Materials).
BOLT, G. H. (Soil Chemistry and Physics).
BRAUN, H. J. (Plant Anatomy).
BROUWER, E. (Animal Physiology).
BURINGH, P. (Tropical Soil Science).
CORSTEN, L. C. A. (Mathematical Statistics).
DOEGLAS, D. (Mineralogy and Geology).
DOORENBOS, J. (Horticulture).
EDELMAN, C. H. (Regional Soil Science).
EYSVOOGEL, W. F. (Hydraulics, Irrigation and Road Construction).
FERWERDA, J. D. (Tropical Agriculture).
HART, M. L'T (Grassland Husbandry).
HARTMANS, S. (Dairy Technology).
HARTOG, C. DEN (Nutrition and Food Preparation).
HELLINGA, F. (Draining and Improvement of the Soil).
HELLINGA, G. (Silviculture and Forest Protection in the Temperate Zone).
DEN HERTOG, H. J. (Organic Chemistry).
HOEKSTRA, P. (Tropical Animal Husbandry).
HOFSTEE, E. W. (Social and Economic Geography and Social Statistics).
HORRING, J. (General and Agricultural Economics).
HULSTER, T. A. DEN (Silviculture and Forest Protection in the Tropics, Forest Management).
IWEMA, S. (Animal Nutrition).
JOOSTEN, J. H. L. (Agricultural Economics of Tropical Regions).
KLOMP, H. (General Zoology).
KOOLS, J. F. (Forest Exploitation and Forest Economics.)
KRAAYENHAGEN, A. (Town Planning).
KRUIDHOF, A. (Surveying and Levelling).
LEENT, J. A. A. VAN (Social Psychology).
LENIGER, H. A. (Technology).
LIER, R. A. J. VAN (Social and Economic Geography of Tropical Regions).
LYKLEMA, J. (Physical and Colloid Chemistry).
MOENS, A. (Application of Tractors and Agricultural Machinery).
MULDER, E. G. (Microbiology).
MULDER, H. (Dairy Science).
OORT, A. J. P. (Phytopathology).
POLAK, J. M. (Jurisprudence and Political Science).
PRAKKEN, R. (Genetics).
QUAST, G. J. (Construction and Handling of Tractors and Agricultural Machinery).
REINDERS-GOUWENTAK, Mrs. C. A. (Plant Physiology).
RIEMSDIJK, J. F. VAN (Agricultural Economics).
ROOTSELAAR, B. VAN (Mathematics).
SCHENK, P. K. (Plant Diseases).
SCHUFFELEN, A. C. (Agricultural Chemistry).
SLICHER VAN BATH, B. H. (Agricultural, Economic, and Social History).
SNEEP, J. (Plant Breeding).
STEGENGA, TH. (Animal Husbandry).
TESCH, J. W. (General and Tropical Hygiene).
THURLINGS, T. L. M. (Economics).
VENEMA, H. J. (Plant Taxonomy and Plant Geography).
VERVELDE, G. J. (Field Crop Husbandry).
VISSER, Mrs. C. W. (Home Economics).
VRIES, D. M. DE (Botanic Research of Grassland).
WANT, J. P. H. VAN DER (Phytopathology, Special Subjects).
WASSINK, E. C. (Plant Physiology).
WELLENSIEK, S. J. (Horticulture).
WIJK, W. R. VAN (Physics and Meteorology).
WILDE, J. DE (Entomology).
WIT, H. C. D. DE (Plant Taxonomy and Plant Geography of the Tropics).
WITSEN, ELIAS, J. J. S. (History of Art).

COLLEGES

CANISIANUM, THEOLOGISCHE FACULTEIT VAN DE NEDERLANDSE PROVINCIE DER SOCIETEIT VAN JESUS

MAASTRICHT, TONGERSE STRAAT 53

Founded 1852.

Chairman: Prof. Dr. F. MALMBERG.
Librarian: A. HOUBEN.

Number of professors: 16.
Number of students: 60.

Publications: *Bijdragen Tijdschrift voor Filosofie en Theologie* (Editor Prof. Dr. F. MALMBERG).

PROFESSORS:

AHSMANN, P. (Exegesis of New Testament).
BAKKER, L. (Fundamental and Mystic Theology).
BERG, J. VAN DEN (Dogmatic Theology).
DE BRUIN, P. (Moral Theology).
GROOTENS, P. (Church History).
HIJMAN, M. (Catechetics).
VAN KOL, A. (Moral Theology).
MALMBERG, F. (Fundamental and Dogmatic Theology).
MULDERS, J. (Fundamental Theology, Liturgics).
RENCKENS, H. (Hebrew, Exegesis of Old Testament, Introduction to Holy Scripture).
RIETMEYER, J. (Canon Law).
RUPERT, J. (Church History).
SLEYFFERS, J. (Missionary Science).
SMULDERS, P. (Dogmatic Theology, Patrology).
TROOSTER, J. (Dogmatic Theology).
WITTE, J. (History and Doctrine of Protestantism).

Institute of Social Studies: The Hague, Molenstraat 27; f. 1952; *see also* under Research Institutes.

Rector: Prof. E. DE VRIES.
Deputy Rector: Prof. JAC. P. THIJSSE.
Chairmen of Faculties: Dr. J. A. PONSIOEN, Dr. J. IN'T VELD, Prof. L. J. ZIMMERMAN.
Dean of Studies: Prof. H. TH. CHABOT.
Academic Secretary: Dr. C. A. O. VAN NIEUWENHUIJZE.
Registrar: F. W. HONDIUS.

Number of students: 25 per course.

KATHOLIEKE ECONOMISCHE HOGESCHOOL TE TILBURG
(Catholic School of Economics, Tilburg)

HOGESCHOOLLAAN 225, TILBURG
Telephone: 04250-32060

Founded 1927.

President: Dr. C. N. M. KORTMANN.
Secretary: Dr. H. W. A. LOEVENDIE.
Rector Magnificus: Dr. C. F. SCHEFFER.
Librarian: Dr. W. JANSEN.

Number of teachers: 60, including 25 professors.
Number of students: 1,300.

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DEANS:

Faculty of Economic Sciences: Prof. Dr. D. B. J. SCHOUTEN.
Faculty of Social Sciences: Prof. Dr. F. J. P. VAN DOOREN.
Faculty of Law: Prof. Dr. J. M. PIETERS.

PROFESSORS:

BERKUM, Dr. P. P. VAN (Economics).
BOSMAN, Dr. H. W. J. (Banking and Finance).
DALMULDER, Dr. J. J. J. (Econometrics, Statistics).
DOOREN, Dr. F. J. P. VAN (Social Psychology, Industrial Psychology).
EEREMBEEMT, Dr. H. F. J. M. VAN DEN (History).
GODEFROY, Dr. J. (Sociology).
GOLDSCHMIDT, Dr. H. O. (Econometrics).
JEUKENS, H. J. M. (Constitutional Law).
KAAG, H. A. (Finance, Political Economy).
LOEFF, Dr. J. J. (Philosophy, Ethics).
MOOR, Dr. R. A. DE (Socilogy).
OLDE KALTER, A. L. (History of Roman Law).
PIETERS, J. M. (Taxation).
PLATTEL, Dr. M. G. (Social Philosophy).
SCHEFFER, Dr. C. F. (Finance).
SCHOUTEN, Dr. D. B. J. (Economics).
SMEETS, Dr. M. J. H. (Public Finance).
VEN, Dr. F. J. H. M. VAN DER (Social Politics).

SPECIAL PROFESSORS:

ALBREGTS, Dr. A. H. M. (International Economic Politics).
COOLS, Dr. B. H. A. (Social Geography).
DRIESSER, Ir. F. M. (Technique of Industrial Organisation).
HERMESDORF, B. H. D. (History of Dutch Law).
OLDENDORFF, Dr. A. A. (Sociology).
SNIJDERS, W. L. (Economic Competition Law).
WIJMEN, Dr. W. J. I. VAN (Law).

NEDERLANDSCHE ECONOMISCHE HOOGESCHOOL
(Netherlands School of Economics)

ROTTERDAM, PIETER DE HOOCHWEG 122

Founded 1913.

President of Trustees: Dr. K. P. VAN DER MANDELE.
Rector Magnificus: Dr. H. W. LAMBERS.
Secretary: Mr. B. J. DE BOER, Westersingel 16, Rotterdam-3.
Administrator: CHR. STOKHUIJZEN.

Number of teachers: 67, including 36 professors.
Number of students: 2,124 men, 49 women, total 2,173.

Publications: *Voorlichtingsboekje voor aanstaande studenten, Gids der Nederlandsche Economische Hoogeschool, Jaarboek der Nederlandsche Economische Hoogeschool.*

PROFESSORS:

BEZEMER, T. J. (Organisation and Management).
BRANDT, C. D. J. (Modern History).
BURGERT, R. (Business Administration).
DIEPENHORST, A. I. (Business Administration).
DOORN, J. A. A. VAN (Sociology).
DREES, Jr. W. (Public Finance).
EIJK, C. J. VAN (Economics).
ESVELD, N. E. H. VAN (Human Relations).
FRIETEMA, H. J. (Agrarian Economics).
GLASZ, CH. (Economics, Banking).
GOUDEKET, A. (Accountancy).
JONG, A. A. DE (Accountancy).
KAZEMIER, B. H. (Philosophy).
KLAASSEN, L. H. (Research Methods).
KLEIJN, A. (Public Administration).
KUILER, H. C. (Transport Economics).
KYMMELL, J. (International Economics).
KUHLMEIJER, H. J. (Industrial Economics).
LAMBERS, H. W. (Economics).
LIEVEGOED, B. C. J. (Social Pedagogy).
OUWELEEN, H. W. (Industrial Psychology).
POSTHUMA, S. (International Finance).
PRINS, F. W. (Pedagogy).
REITSMA, A. J. (International Economics).
RIPHAGEN, W. (International Public Law).
SANDERS, P. (Private Law).
SCHENDSTOK, B. (Public Finance and Tax Law).
SIMONS, D. (Public Law).
SLAGTER, W. J. (Private Law).
STUIJVENBERG, J. H. VAN (Economic History).
THEIL, H. (Econometrics).
TINBERGEN, J. (Economics and Development Planning).
VERDOORN, P. J. (Market Analysis).
WITTEVEEN, H. J. (Economics).

NEDERLANDS OPLEIDINGS-INSTITUUT VOOR HET BUITENLAND
(Netherlands College for Representation Abroad)

NIJENRODE BREUKELEN
Telephone: 03462-341
Telegraphic Address: Noib Breukelen

Founded 1946

Residential College, supported by industry, for training of young men for commercial careers principally abroad. Foreign students admitted.

Honorary President of the Board: H.R.H. PRINCE OF THE NETHERLANDS.
Rector: Dr. E. B. J. POSTMA.
Registrar: F. J. H. SCHNEIDERS.
Director of Studies: J. G. GEVERINK.
Dean of Students and Foreign Student Advisor: A. HERON.
Librarian: I. VAN BEEK.

Number of teachers: 34 (plus 50 visiting).
Number of students: 270.

Publications: *Het Journaal* (fortnightly), *Het Loghboeck* (annual), *Kwartaalbericht* (quarterly).

HEADS OF DEPARTMENTS:

Economics and Social Sciences: J. KOSTER, acc. N.I.V.A.
Modern Languages: St. J. B. NIXON, M.A.
Physical Education: Dr. E. H. TAN.

SCHOOLS OF ART AND MUSIC

Koninklijk Conservatorium voor Muziek (*Royal Conservatory of Music*): The Hague, 7 Korte Beestenmarkt: f. 1826; number of teachers: 94; number of students: 540; library of 12,000 vols.; Pres. W. G. PEEKEMA; Dir. KEES VAN BAAREN; Sub-Dir. JAN SICKING; Admin. Sec. A. SERLIE.

Koninklijke Academie van Beeldende Kunsten (*Royal Academy of Fine and Applied Arts*): The Hague, 4 Prinsessegracht; Dir. J. J. BELJON.

Rijksakademie van Beeldende Kunsten (*State Academy of Fine Arts*): Amsterdam, Stadhouderskade 86; Dir. Prof. Dr. N. R. A. VROOM.

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NETHERLANDS WEST INDIES

Population 487,207

NETHERLANDS ANTILLES

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Departement van Landbouw (*Department of Agriculture*): Cas Cora, Curaçao; f. 1943; Dir. R. WINKEL.

Het Departement Waterveerziening, Veeteelt en Visscherij (*Department of Water Supply, Agriculture, Cattle-breeding and Fisheries*): Curaçao; Dir. M. DE VREEZE; Aruba: Dir. Ir. S. FABER.

De Veeartsenijkundige Dienst en Warenkeuring (*Veterinary Service and Food Inspection*): Post Box 85, Curaçao; administered by the Department of Public Health (*see* below).

Inspectie Van De Volksgezondheid (*Department of Public Health*): Curaçao; Dir. Dr. T. VAN STRIEN.

Meteorologische Dienst van de Nederlandse Antillen (*Meteorological Service of the Netherlands Antilles*): Dr. A. Plesman Airport, Curaçao; Dir. Dr. A. BRUINENBERG.

LIBRARIES

Openbare Leeszaalen Bibliotheek: Curaçao.

Openbare Leeszaal en Boekerij: Eilandgebied Aruba; f. 1949; operates two public libraries on the island of Aruba, one in the capital Oranjestad, and one in the town of St. Nicholas; 30,000 vols.; all library services, interlibrary loans, special information on the Caribbean area and the Netherlands Antilles; Dir. Dr. JOHN HARTOG; publ. five-volume *History of the Netherlands Antilles* (in Dutch and English).

Stichting Wetenschap Pelijke Bibliotheek (*Scientific Library Foundation*): Curaçao; f. 1950; all fields of pure and applied science; union catalogue of all non-fiction books in the Netherlands Antilles; Librarian J. M. VERHOEVEN.

MUSEUM

Curaçao Museum: Curaçao; paintings and historical.

MUSIC SCHOOLS

Aruba Public School of Music: Aruba; Government support.

Curaçao Public School of Music: Curaçao, Government supported.

SURINAM

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Departement van Landbouw, Veeteelt en Visserij (*Department of Agriculture, Animal Husbandry and Fisheries*): P.O. Box 1807, Paramaribo; Dir. of the Dept. Ir. G. P. TIGGELMAN; publ. *Annual Report.*

Landbouwproefstation (*Agricultural Experiment Station*): P.O. Box 160, Paramaribo; Dir. Ir. J. A. SAMSON; publs. Bulletins and Communications (at irregular intervals), *De Surinaamse Landbouw* (Surinam Agriculture; bi-monthly).

Geologisch Mijnbouwkundige Dienst (*Geological Mining Service*): Kleine Waterstraat, Paramaribo; Dir. Ir. C. VAN KOOTEN; 7,225 vols. in library; publs. *Jaarboeken, Mededelingen, Geol. Kaartbladen.*

Foundation for Scientific Research: P.O. Box 164, Paramaribo.

Stichting Cultureel Centrum Suriname (*Surinam Cultural Centre*): P.O. Box 1241, Paramaribo; f. 1947 to promote and improve cultural activities throughout the country; library of 20,826 vols.; Pres. E. R. WESSELS; Sec. Miss E. POLANEN.

Stichting Planbureau Suriname (*Surinam Planning Board*): P.O. Box 172, Paramaribo; Dir. TH. J. VAN DER PEIJL, LL.M.

MUSEUM

Surinam Museum, The: Paramaribo, Surinam; Dir. Dr. D. C. GEIJSKES.

COLLEGE

School of Medicine: Paramaribo; affiliated to the University of Leyden.

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NEW ZEALAND

Population 2,498,441

LEARNED SOCIETIES

THE ROYAL SOCIETY OF NEW ZEALAND

BOX 196, WELLINGTON

Founded 1867

The Royal Society is the senior scientific institution of New Zealand. At the time of its foundation it had four branches, the Auckland Institute, the Wellington Philosophical Society, the Philosophical Society of Canterbury and the Otago Institute. It now has ten.

President: C. A. FLEMING, B.A., D.SC., F.R.S.N.Z.

Vice-Presidents: M. A. F. BARNETT, O.B.E., M.SC., PH.D., F.R.S.N.Z., F. G. SOPER, C.B.E., PH.D., D.SC., F.R.S.N.Z.

Secretary: Mrs. M. E. MARSH, c/o Victoria University of Wellington, Wellington.

The ten branches are as follows:

Auckland Institute and Museum: P.O. Box 9027, Auckland, S.E.1; Sec. G. ARCHEY, O.B.E., M.A., D.SC., F.R.S.N.Z.

Canterbury Branch of the Royal Society of New Zealand: c/o Canterbury Museum, Christchurch, C.1; f. 1862 as Canterbury Philosophical Institute; 290 mems.; Sec. E. R. MANGIN.

Hawke's Bay Branch, Royal Society of New Zealand: c/o Hawke's Bay Museum, Napier.

Nelson Branch: Entomological Station, P.O. Box 223, Nelson.

Otago Branch of the Royal Society of New Zealand: Otago; Sec. M. R. FOORD, 39 Park Street, Dunedin.

Rotorua Philosophical Society: 201 Ranolf Street, Rotorua.

Southland Branch, Royal Society of New Zealand: c/o 55 Elles Road, North, Invercargill.

Waikato Scientific Association: P.O. Box 908, Hamilton.

Wellington Branch of the Royal Society of New Zealand: P.O. Box 3085, Wellington, C.3; f. 1867 as Wellington Philosophical Society, name changed 1938; 400 mems.; Pres. R. K. DELL; Sec. Mrs. K. R. ALLEN.

Geological Society of New Zealand: P.O. Box 2110, Christchurch; Hon. Sec. D. R. GREGG.

New Zealand Association of Scientists: Box 1874, Wellington.

New Zealand Geographical Society: Department of Geography, University of Canterbury, Christchurch; f. 1944 to promote and stimulate the study of geography; branches in Auckland, Wellington, Christchurch and Dunedin; 1,300 mems. in New Zealand, 250 overseas mems.; Chair. D. I. MACDONALD, M.COM.; Sec. R. S. WATERS, PH.D.; Treas. T. E. FRENCH, BA.M.COM.; publs. *New Zealand Geographer* (twice yearly) and the *Record of Proceedings of the Society and its Branches* (twice yearly).

New Zealand Institute of Architects (Inc.): 39 Johnston Street, Wellington, C.1; f. 1905; Pres. G. LAURENSON; Sec. F. H. HARRIS; publs. *Year Book*, *Journal* (monthly, except Jan. and Dec.).

New Zealand Library Association, Inc.: Park Street, Wellington, N.I.

Polynesian Society: Wellington; f. 1892; to promote studies and publications dealing with native peoples of Polynesia, Melanesia and Micronesia; library; 900 mems. Pres. J. M. MCEWEN; Sec. J. M. BOOTH, Box 5195, Wellington; publs. *Memoirs*, *Journal* (quarterly).

Royal Agricultural Society of N.Z.: P.O. Box 7007, Claudelands, Hamilton; Sec. C. T. BECK.

Royal Astronomical Society of New Zealand: P.O. Box 3181, Wellington; f. 1920; 270 mems.; Sec. C. FISK; Editor G. A. EIBY; publs. *Southern Stars* (quarterly) and *News Sheet* (monthly).

RESEARCH INSTITUTES

Auckland Medical Research Foundation: P.O. Box 5546, Auckland; f. 1956; financed by public subscription to sponsor and encourage medical research; Pres. JOHN GRIERSON, C.B.E.; Vice-Pres. Sir DOUGLAS ROBB, C.M.G., M.D., F.R.C.S.; publ. *Annual Report*.

Canterbury Medical Research Foundation: c/o Medical Unit, Princess Margaret Hospital, Cashmere, Christchurch; privately financed; Norrh Canterbury Hospital Board teaching and research unit; Sec. A. W. MANN, 153 Hereford Street, Christchurch.

Carter Observatory: Wellington, W.1; founded 1939 by Act of New Zealand Parliament; Observatory building completed December 1941; work of Observatory includes adult education in astronomy, co-operation with schools and colleges, solar and terrestrial relationships, and general astronomical research; Dir. I. L. THOMSEN.

Cawthron Institute: Nelson, N.Z.; f. 1919; agricultural research; Dir. Dr. C. R. BARNICOAT; Soils Dr. E. B. KIDSON; Biochemistry Dr. J. R. L. WALKER; Mycology T. B. C. CHRISTIE, M.SC.; Museum Curator L. A. J. DE ABAFFY; Hon. Curator Atkinson Observatory E. L. MORLEY; publs. *Annual Report*, *Cawthron Lectures*, *Bulletins*, *Papers*.

Christchurch Geophysical Observatory: Geophysics Division, Department of Scientific and Industrial Research, P.O. Box 2111, Christchurch, C.1; maintains vertical sounding ionosphere stations at Godley Head, Christchurch, Rarotonga, Cook Islands; Scott Base and Cape Hallett (joint U.S.A.-N.Z.), Antarctica; fundamental research into upper atmosphere physics in New Zealand area with emphasis on structure and dynamics of the Ionosphere is undertaken; Dir. J. W. BEAGLEY, M.SC.; publ. *Ionospheric Data Bulletins* (annually).

Dairy Research Institute (N.Z.), The: Massey College P.O. Palmerston North; established 1927 as a unit of the D.S.I.R., inc. 1947; Depts. of Bacteriology, Chemistry, Engineering and Dairy Manufactures; Chief Bact. W. A. MCGILLIVRAY, M.SC., PH.D., F.N.Z.I.C.; Chief Chemist F. H. MCDOWALL, O.B.E., D.SC., F.N.Z.I.C.;

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Chief Engineer (Acting) D. W. KING, B.E.(CHEM.), B.SC.; Dir. H. R. WHITEHEAD, D.SC., A.N.Z.I.C., F.R.S.N.Z.

Department of Agriculture: P.O. Box 2298, Wellington; directs a number of research stations, including the Animal Research Stations at Wallaceville and Ruakura, and the Rukuhia Soil Research Station.

Department of Scientific and Industrial Research (N.Z.): P.O. Box 8018, Wellington, C.1; f. 1926. *Secretary:* Dr. W. M. HAMILTON; *Deputy Secretary:* W. A. JOINER; *Assist. Secretaries:* W. A. JOINER, L. W. TILLER, I. D. DICK.

DIRECTORS:

Animal Ecology Division: Dr. K. WODZICKI.
Applied Mathematics Laboratory: Dr. H. P. THOMPSON.
Auckland Industrial Development Laboratories: J. B. BROOKE.
Botany Division: Dr. E. J. GODLEY.
Crop Research Division: Dr. L. CORKILL.
Dominion Laboratory: Dr. I. K. WALKER.
Dominion Physical Laboratory: W. H. WARD.
Entomology Division: Dr. W. COTTIER.
Fats Research Laboratory: Dr. F. B. SHORLAND.
Fruit Research Division: J. D. ATKINSON.
Geological Survey: R. W. WILLETT.
Geophysics Division: Dr. E. I. ROBERTSON.
Grassland Division: Dr. P. D. SEARS.
Institute of Nuclear Sciences: T. A. RAFTER.
N.Z. Oceanographic Institute: J. W. BRODIE.
Plant Chemistry Division: Dr. A. T. JOHNS.
Plant Diseases Division: Dr. E. E. CHAMBERLAIN.
Plant Physiology Division: Dr. K. J. MITCHELL.
Soil Bureau: Dr. J. K. DIXON.
Tobacco Research Station: R. THOMSON.
Wheat Research Institute: E. W. HULLETT.
Superintendent, Antarctic Division: G. W. MARKHAM.
Superintendent, Hop Research Station: Dr. R. H. J. ROBORGH.
Officer-in-Charge, Information Bureau: F. E. STUDT.
Senior Scientific Liaison Officer, London: Dr. V. ARMSTRONG.
Secretary-Executive Officer, Manufacturers' Research Committee: C. P. MCEVEDY.

Publs. *N.Z. Journal of Agricultural Research* (published alternate months), *N.Z. Journal of Botany* (quarterly), *N.Z. Journal of Geology and Geophysics* (quarterly), *N.Z. Journal of Science* (quarterly), *Annual Report, Bulletins, Information Series, Geological Bulletins, Geological Memoirs, Palaeontological Bulletins, Seismological Bulletins* (occasional), *Soil Bulletins, Departmental Handbook*, etc.

INCORPORATED RESEARCH ASSOCIATIONS:

Dairy Research Institute (N.Z.): Dr. H. R. WHITEHEAD.
Meat Industry Research Institute of N.Z. (Inc.): N. H. LAW.
N.Z. Fertiliser Manufacturers' Research Association (Inc.): Dr. B. W. DOAK.
N.Z. Leather and Shoe Research Association (Inc).: F. W. WOODROFFE.
N.Z. Pottery and Ceramics Research Association (Inc.): Dr. P. K. FOSTER.
N.Z. Wool Industries Research Institute (Inc.): Dr. L. F. STORY.
Research Institute of Launderers, Drycleaners and Dyers of N.Z. (Inc.): N. S. WHITTALL.
Wool Research Organisation of New Zealand (Inc.): N. F. ROBERTS.

Hawke's Bay Medical Research Foundation (Inc.): P.O. Box 596, Napier.

Industrial Development Department, University of Canterbury: Hereford Street West, Christchurch; research for industry and government departments in New Zealand; Dir. T. R. POLLARD, A.I.E.E., A.S.M.E.

Maori Education Foundation: f. 1961; government sponsored vocational training and education of Maoris.

New Plymouth Astronomical Society Observatory: New Plymouth; f. 1920; Hon. Dir. D. W. DANIEL.

New Zealand Council for Educational Research: Southern Cross Buildings, Brandon Street, Wellington, C.1; Dir. G. W. PARKYN.

New Zealand Institute of Economic Research: 26 Kelburn Parade, Wellington; f. 1960; research into New Zealand economic development; conducts survey of business opinion; Dir. Dr. C. A. BLYTH; Chair. J. T. ANDREWS.

New Zealand Magnetic Survey: Geophysics Division, Department of Scientific and Industrial Research, Botanic Gardens, Christchurch, C.1; Magnetic Survey throughout New Zealand and its Dependencies; operates magnetic observatories at Apia, Western Samoa, Amberley, near Christchurch, Scott Base and Cape Hallett (joint U.S.A.-N.Z.), Ross Dependency; preparation of magnetic charts of New Zealand and S.W. Pacific; climatological observations of Christchurch; Superintendent A. L. CULLINGTON, B.SC.

New Zealand Medical Research Council: c/o District Health Office, Private Bag, Wellington C.1; f. 1950; to foster medical research, prepare reports and to inform and assist persons or orgnisations concerned with medical research; Chair. HAROLD BERTRAM TURBOTT, I.S.O., M.B., CH.B.(N.Z.), D.P.H., (N.Z.); Sec. K. A. G. HINDES.

Palmerston North Medical Research Foundation: c/o Public Hospital, Palmerston North; privately financed.

Ross Dependency Research Committee: Wellington; responsible to the Minister in Charge of Scientific and Industrial Research for co-ordinating all New Zealand activity in the Ross Dependency; Chair. Dr. R. G. SIMMERS; Sec. J. A. CORCORAN.

Veterinary Services Council: 126-132 Lambton Quay, Wellington.

Wellington Medical Research Foundation: c/o The Secretary, P.O. Box 3025, Wellington; privately financed.

Wheat Research Institute: 197 Hereford Street, Christchurch; f. by Act of Parliament 1928; the Institute is part of the Department of Scientific and Industrial Research; functions are research, advice and teaching with the object of improving wheat, flour and bread; Dir. E. W. HULLETT, M.SC., F.N.Z.I.C.; Sec. L. A. MANSELL, B.A., DIP.J.; publ. *New Zealand Wheat Review* (three-yearly).

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LIBRARIES

Alexander Turnbull Library: P.O. Box 8016, Bowen Street, Wellington; f. 1919; 100,000 vols., 15,000 MSS., 5,000 pictures and prints, 350,000 photographic negatives, 5,000 maps, 1,000 reels microfilm; collections of Pacific ethnology, history, linguistics, literature (with emphasis on N.Z. material); English literature (specialising in Milton studies) and drama; Scottish and Irish history; early printing, printing history and graphic art; Antarctic exploration; fine arts; Chief Librarian C. R. H. TAYLOR, M.A., DIP.JOURN., F.N.Z.L.A., F.R.N.S.N.Z.; Dep. Librarian J. R. COLE, M.A., DIP.JOURN., DIP.N.Z.L.S., A.N.Z.L.A.; publs. *Turnbull Library Record, Bulletin Series, Annual Report.*

Auckland Public Library: Wellesley Street, Auckland, C.1; f. 1880; 9 branch libraries, mobile library, reference library; 400,000 vols.; special collections Grey and Shaw Collections of MSS. and incunabula; Grey Maori Collection, Lewis Eady Music Collection, Reed Dumas Collection; Librarian R. DUTHIE, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Auckland University Library: P.O. Box 2175, Auckland; f. 1882; 143,000 vols.; Librarian F. A. SANDALL, B.A., DIP.ED., DIP.LIB., F.L.A., F.N.Z.L.A.

Canterbury Public Library: P.O. Box 1466, 109 Cambridge Terrace, Christchurch; f. 1859; 99,000 vols.; library contains Lending, Reference and Children's Departments, Newspapsr Room, also serving suburban libraries; City Librarian R. N. O'REILLY, M.A., A.N.Z.L.A.; publ. *Journal.*

Canterbury University Library: Christchurch; f. 1873; approx. 186,000 vols.; Librarian C. W. COLLINS, M.A., A.B.L.S., F.L.A., F.N.Z.L.A.

Dunedin Public Library: P.O. Box 906, Moray Place, Dunedin, C.1; f. 1908; 164,310 vols.; Alfred and Isabel Reed collection of illuminated MSS.; Librarian A. G. W. DUNNINGHAM, B.A., F.N.Z.L.A.

General Assembly Library: Wellington, C.1; f. 1856; 280,000 vols., 50,000 pamphlets and 20,000 maps; national reference collection; Library of Parliament, copyright and international exchange repository; special collections: New Zealand literature and largest N.Z. newspaper and periodical collection in country; Chief Librarian J. O. WILSON, D.S.C., M.COM., A.L.A., A.N.Z.L.A.; publs. *Copyright List* (monthly, with annual cumulation), *Copyright Periodicals Currently Received* (every second year).

Leys Institute: 20 St. Mary's Road, Ponsonby; early New Zealand history; Librarian Miss C. RIDLING.

Library of the Otago District Law Society: Stuart Street, Dunedin; f. 1879; 20,000 vols.; Librarian Miss N. L. GILKISON.

Lincoln College Library: George Forbes Memorial Library, Lincoln, Christchurch; 8,000 vols.; Librarian JOHN A. FRAMPTON, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Marion Davis Memorial Library: Auckland Hospital, Park Road, Auckland, C.3; f. 1949; 15,000 vols.; medicine and related subjects; Librarian ELAINE ROBINSON, A.N.Z.L.A.

National Library Service: Private Bag, Wellington; includes National Library Centre; Librarian A. G. BAGNALL.

New Zealand National Archives: c/o Dept. of Internal Affairs, Wellington.

Otago University Library (Hocken Library): P.O. Box 56, Dunedin; f. 1869; 172,000 vols.; Librarian W. J. MCELDOWNEY, M.A.; special collections: Hocken Library of N.Z. and South Seas material, 23,000 vols. (also MSS., maps, pictures).

Otago University Medical School Library: Great King Street, Dunedin; f. 1916; general medical information; includes an Historical Library, containing Monro's collection of books and manuscripts; 40,000 vols.; Librarian HARRY D. ERLAM, B.A., A.L.A., A.N.Z.L.A.

Palmerston North Public Library: P.O. Box 602, Palmerston North; f. 1876; 72,000 vols.; lending, reference, children's, art and music sections; 3 br. libraries; Librarian C. D. TRUDGEON, B.A., A.N.Z.L.A.

Victoria University Library: P.O. Box 196, Wellington; 150,000 vols.; Librarian H. G. MILLER, M.A.

Wellington Public Libraries: P.O. Box 1992, Wellington, f. 1841; 254,528 vols.; City Librarian STUART PERRY, LL.B., A.L.A., F.N.Z.L.A.; 9 br. libraries and mobile suburban service.

MUSEUMS AND ART GALLERIES

Aigantighe Art Gallery: 49 Wai-iti Road, Timaru; New Zealand and British painters; Dir. CLIFFORD BRUNSDEN.

Auckland City Art Gallery: Wellesley Street East, Auckland, C.1; European and New Zealand paintings; Frances Hodgkins collection, 20th-century European sculpture, old master, 19th and 20th century prints; Dir. P. A. TOMORY, M.A.; publ. *Art Gallery Quarterly.*

Auckland Institute and Museum: Private Bag, Auckland 1; f. 1852 (Museum), 1867 (Institute), united 1869; Museum of natural history, ethnology, applied arts and armed services; 1,200 mems. (400 life mems.); approx. 36,000 vols.; Dir. GILBERT ARCHEY, C.B.E., M.A., D.SC., F.R.S.N.Z.; Librarian ENID A. EVANS, B.A., A.L.A.; publs. *Records* (annual), *Bulletin* (as required), handbooks and educational leaflets.

Bishop Suter Art Gallery: Queen's Gardens, Bridge Street, Nelson; works of John Gully; Sec. W. R. P. JAQUES.

Canterbury Museum: 109 Cambridge Terrace, Christchurch; f. 1867; ethnology and natural history (notably ornithology) of N.Z. and Pacific Basin, early Colonial exhibits, European fine arts; Dir. ROGER DUFF, M.A., D.SC., F.R.S.N.Z.; publs. *Records* (annuals), *Popular Guide, Bulletin* (occasional), pamphlets.

Cawthron Institute Museum: Milton Street, Nelson; natural history and primary industries of Nelson Province; Curator L. A. J. DE ABAFFY, B.AGR.SC.

Dominion Museum: Buckle Street, Wellington; f. 1865; ethnology, natural history, geology; Dir. R. A. FALLA, C.M.G., M.A., D.SC., F.R.S.N.Z.

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Dunedin Public Art Gallery: Logan Park, Dunedin; European Old Masters; early English water-colours, prints, etc.; Dir. Mrs. A. G. PEARSE.

Gisborne Art Gallery and Museum: Stout Street, Gisborne; Dirs. W. H. WAY (Museum), A. B. BARNS-GRAHAM (Art Gallery).

Hawke's Bay Art Gallery and Museum: Herschell Street, Napier; Hetley Native Flower paintings, Maclean and Black collections, Robley collection of Moko; Dir. J. S. B. MUNRO.

Invercargill Public Art Gallery: Anderson Park, Invercargill; mainly New Zealand works; Dir. ROY DICKISON.

Melanesian Mission Museum: Mission Bay, Auckland; Melanesian arts and crafts; Curator A. T. B. BROWN.

National Art Gallery: Buckle Street, Wellington; British, European, Australian and New Zealand paintings; contemporary sculpture; Archdeacon Smith collection of Early English water-colours, Sir John Ilott collection of Etchings, Monrad collection of Engravings, Nan Kiveli collection of British Engravings and Lithographs; Dir. S. B. MACLENNAN, A.R.C.A.

Nelson Institute Public Museum: 309 Hardy Street; f. 1841; Maori history, zoology, mineralogy, provincial history; Curator S. J. MCKENZIE, M.SC.

New Zealand Geological Survey: State Fire Building, Andrews Avenue, Lower Hutt; collections of rocks, minerals and fossils of New Zealand and other countries; Suter collection of New Zealand Mollusca; responsible for national geological mapping and all applied geology; Dir. R. W. WILLETT, M.SC., F.R.S.N.Z.

Otago Museum: Great King Street, Dunedin; f. 1865; natural sciences and anthropology; Dir. Dr. R. R. FORSTER, D.SC., F.M.A.N.Z.; publs. *Annual Report*, *Handbooks to the Collections*.

Robert McDougall Art Gallery: Botanic Gardens, Rolleston Avenue, Christchurch; Dir. W. S. BAVERSTOCK.

Sarjeant Art Gallery: c/o The Town Clerk, P.O. Box 87, Wanganui; European Old Masters, English water-colours and Pre-Raphaelite paintings, representative New Zealand collection, Gilfilan collection, Barraud collection, drawings by Bernadino Poccetti; Hon. Curator H. D. ROBERTSON, M.B., CH.B.

Southland Museum: Victoria Avenue, Invercargill; natural history, Maori and Polynesian section; Dir. GORDON WHITE.

Waitangi Treaty House: Waitangi National Reserve, Paihia, Bay of Islands; site of Treaty of Waitangi.

Wanganui Public Museum: Maria Place, Wanganui; ethnology, natural history and historical; Curator-Dirs. A. J. BANNISTER, O. G. DOYLE.

West Coast Historical Museum: Library Building, Hamilton Street, Hokitika; historical, timber, wild life and mineral collections; gold mining exhibition; Sec. R. C. DRUMMOND.

UNIVERSITIES

UNIVERSITY OF AUCKLAND

PRINCES STREET, AUCKLAND C.1

Telephone: 30-060

Founded 1882

Chancellor: Sir DOUGLAS ROBB, C.M.G., M.D., CH.M., F.R.C.S. (ENG.), F.R.A.C.S., F.A.C.S.(HON.).

Pro-Chancellor: W. H. COOPER, M.A.

Vice-Chancellor: K. J. MAIDMENT, M.A.

Registrar: JAMES A. S. KIRKNESS, M.COM., A.R.A.N.Z.

Librarian: F. A. SANDALL, B.A., DIP.ED., DIP.LIB., F.L.A.

Number of teachers: 220 (full-time), including 31 professors.

Number of students: 3,349 men, 1,174 women, total 4,523.

Publications: *University College Calendar*, etc.

DEANS:

Faculty of Commerce: L. W. HOLT, M.COMM., F.R.A.N.Z.
Faculty of Arts: S. MUSGROVE, M.A., D.PHIL.
Faculty of Education: R. WINTERBOURN, M.A., DIP.ED., PH.D.
Faculty of Law: A. G. DAVIS, LL.D., LL.B.
Faculty of Architecture: A. C. LIGHT, B.A., F.R.I.B.A., F.R.S.A., A.N.Z.I.A.
Faculty of Music: C. NALDEN, MUS.B., MUS.D.
Faculty of Engineering: N. A. MOWBRAY, B.E., A.M.I.C.E., M.N.Z.I.E., A.M.I.W.E.

PROFESSORS:

BEADLE, P. J., F.R.S.A., N.Z.S.I.D., (Fine Arts).
BLAIKLOCK, E. M., M.A., LITT.D. (Classics).
BOGLE, A. G., B.E. (ELEC.MECH. and MECH.), D.PHIL., A.M.I.E.E., A.M.N.Z.I.E. (Electrical Engineering).
BRIGGS, L. H., D.PHIL., D.SC., F.N.Z.I.C., F.R.S.N.Z., F.A.N.Z.A.A.S. (Chemistry).
BROWN, D., PH.D. (Physics).
CAREY, H. M., M.SC., M.B., B.S., D.G.O., F.R.C.S., M.R.C.O.G. (Obstetrics and Gynæcology).
CHAPMAN, V. J., PH.D., F.L.S. (Botany).
CHONG, F., M.A., M.SC., PH.D. (Mathematics).
CUMBERLAND, K. B., M.A., D.SC. (Geography).
DAVIS, A. G., LL.D., LL.B. (Law).
HOLT, L. W., M.COM., F.R.A.N.Z. (Accountancy).
KENNEDY, R. T., C.B.E., A.R.I.B.A., M.T.P.I. (Town Planning).
KEYS, A. C., M.A., D.U.P. (Romance Languages).
LIGHT, A. C., B.A., F.R.I.B.A., F.R.S.A., A.N.Z.I.A. (Architecture).
LILLIE, A. R., M.A., D. SC. (Geology).
LLEWELLYN, D. R., D.SC., D.PHIL., F.R.I.C., F.N.Z.I.C. (Chemistry).
MATTHEWS, R. E. F. (Microbiology).
MORTON, J. E., D.SC., PH.D. (Zoology).
MOWBRAY, N. A., B.E. (Civil), A.M.I.C.E., A.M.I.W.E., M.N.Z.I.E. (Civil Engineering).
MUSGROVE, S., M.A., D.PHIL. (English Language and Literature).
NALDEN, C., MUS.B., MUS.D. (Music).
NORTHEY, J. F., D.JUR., B.A., LL.M. (Public Law).
PIDDINGTON, R. O., PH.D., M.A. (Anthropology).
RUTHERFORD, J., M.A., PH.D. (History).
SAMPSON, H., M.A., PH.D.(Psychology).
SIMKIN, C. G. F., M.A., D.PHIL., DIP.SOC.SC. (Economics).
TITCHENER, A. L., B.SC., B.E.(Mining Mech.) SC.D., (Mechanical Engineering).
TOY, R. H., B.ARCH., PH.D., A.R.I.B.A., A.N.Z.I.A. (Architectural Design).
WINTERBOURN, R., M.A., DIP.ED., PH.D. (Education).
WOOLARD, F., M.ARCH., A.S.T.C., F.R.A.I.A., F.N.Z.I.A., M.R.S.H. (Architectural Design).

Wackato Branch of the University of Auckland.

Lecturer-in-Charge: P. W. DAY, M.A.

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UNIVERSITY OF CANTERBURY

P.O. BOX 1471, CHRISTCHURCH

Telephone: 65-819

Founded 1873

Chancellor: C. H. PERKINS, C.B.E., B.COM., F.P.A.N.Z.
Vice-Chancellor and Rector: Dr. LESLIE LEIGH POWNALL, M.A., PH.D.
Registrar: G. G. TURBOTT, M.C., J.P., B.A., B.COM., A.R.A.N.Z.
Librarian: C. W. COLLINS, M.A., A.B.L.S., F.L.A.

Number of teachers: 235, including 24 professors.
Number of students: 2,924 men, 939 women, total 3,863.
Publications: *University Calendar, Gazette.*

DEANS:

Faculty of Arts: A. J. DANKS, M.A.
Faculty of Commerce: A. S. CARRINGTON, M.COM.
Faculty of Law: H. R. GRAY, LL.M.
Faculty of Music and Fine Arts: H. J. SIMPSON.
Faculty of Science: A. CROWTHER, M.A., PH.D., F.B.PS.S.
Faculty of Engineering: R. J. RASTRICK, B.E.

PROFESSORS:

ALLAN, R. S., D.SC., PH.D. (Geology).
CARRINGTON, A. S., M.COM. (Accountancy).
CROWTHER, A., M.A., PH.D. (Psychology).
DANKS, A. J., M.A. (Economics).
FIELD, H. E., M.A., PH.D. (Education).
GARRETT, J. C., M.A. (English Language and Literature).
GRAY, H. R., LL.M. (Law).
HOPKINS, H. J., D.F.C., M.A., B.E., B.SC. (Civil Engineering).
KIDD, D. A., M.A. (Classics).
KNOX, G. A., B.A., M.SC. (Zoology).
LAWDEN, D. F., M.A., SC.D. (Mathematics).
MACELWEE, N. M., B.SC. (Electrical Engineering).
MCLELLAN, A. G., M.SC., PH.D. (Physics).
PACKER, J., M.SC., D.I.C., Hon. D.SC. (Chemistry).
PHILIPSON, W. R., B.A., PH.D. (Botany).
PHILLIPS, N. C., M.A. (History).
POCOCK, J. G. A., M.A., PH.D. (Political Science).
RASTRICK, R. J., B.E. (Mechanical Engineering).
RITCHIE, J. A., MUS.B. (Music).
SHORTER, J. M., M.A. (Philosophy).
SIEMON, S. R., M.APP.SC., B.SC. (Chemical Engineering).
SIMPSON, H. J. (Fine Arts).
SUSSEX, R. J., M.A., LL.B., D. DE L'U. (Modern Languages).
WATERS, R. S., M.A. (Geography).

ASSOCIATED COLLEGE:

Lincoln College: Canterbury; f. 1873; formerly the Canterbury Agricultural College.
Chair. of Council: T. D. J. HOLDERNESS.
Principal: M. M. BURNS, C.B.E., M.SC., PH.D., F.N.Z.I.C.
Vice-Principal: I. E. COOP, D.PHIL., M.SC.
Registrar: H. G. HUNT, B.COM., F.C.I.S., A.R.A.N.Z.
Librarian: J. A. FRAMPTON, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Number of teachers: 45, including 5 professors.
Number of students: 406, including short-course students.

Publications: *Annual Review, Rural Education Bulletin* (monthly), *Chamber of Commerce Agricultural Bulletins* (monthly), *Technical Publication* (irregular), *Research Publication* (irregular).

PROFESSORS:

COOP, I. E., D.PHIL., M.SC. (Animal Science).
HENDERSON, A. E., B.AGR,SC., PH.D. (Wool).
LANGER, R. H. M., B.SC., PH.D. (Plant Science).
PHILPOTT, B. P., M,A., M.COM. (Agricultural Economics).
WALKER, T. W., D.SC., D.I.C., PH.D., A.R.C.S. (Soil Science).

UNIVERSITY OF OTAGO

DUNEDIN

Telephone: 79-561

Founded 1869

Chancellor: Rev. HUBERT JAMES RYBURN, C.M.G., M.A., B.D., HON.LL.D.
Pro-Chancellor: T. K. S. SIDEY, LL.M.
Vice-Chancellor: FREDERICK GEORGE SOPER, C.B.E., PH.D., D.SC., F.R.S.N.Z., F.R.I.C., F.N.Z.I.C., F.A.N.Z.A.A.S.
Registrar: J. W. HAYWARD, B.COM.
Librarian: W. J. MCELDOWNEY, M.A.

Number of teachers (full-time): 226, including 32 professors.
Students: 2,346 men, 944 women, total 3,290.
Publication: *University Calendar.*

DEANS:

Faculty of Science: D. B. SAWYER, M.A.
Faculty of Medicine: E. G. SAYERS, C.M.G., M.D., F.R.C.P., F.R.A.C.P., F.R.C.P.(EDIN.)(HON.)., F.A.C.P.(HON)., F.R.S.N.Z., D.T.M. & H.
Faculty of Dentistry: Sir JOHN P. WALSH, D.D.SC., M.B., B.S., HON.M.D.S., F.D.S.R.C.S., F.R.S.N.Z.
Faculty of Arts and Music: G. R. MANTON, M.A.
Faculty of Home Science: PATRICIA D. COLEMAN, DIP.H.SC., M.S.
Faculty of Mining: G. J. WILLIAMS, D.I.C., PH.D., M.SC., B.E.
Faculty of Law: F. W. GUEST, M.A., LL.M.
Faculty of Commerce: T. K. COWAN, M.COM., F.P.A.N.Z. (acting).
Faculty of Theology: J. HENDERSON, M.A., PH.D.

PROFESSORS:

ADAMS, W. E., D.SC., B.MED.SC., M.B., CH.B., F.R.S.N.Z. (Anatomy).
BAYLIS, G. T. S., M.SC., PH.D., D.I.C., F.R.S.N.Z. (Botany).
COLEMAN, PATRICIA D., DIP.H.SC., M.S. (Home Science).
COOMBS, D. S., PH.D., M.SC., F.G.S. (Geology).
COWAN, T. K., M.COM., F.P.A.N.Z. (Accountancy).
CRADDOCK, F. W., B.A.DIP.ED., M.S.D., D.D.S. (Prosthetic Dentistry).
DIXON, C. W., M.D., M.R.C.S., L.R.C.P., D.L.O., D.C.H., D.P.H. (Preventive and Social Medicine).
EDSON, N. L., B.MED.SC., M.B., CH.B., PH.D., F.R.S.N.Z., F.N.Z.I.C. (Biochemistry).
FRAENKEL, G. J., B.M., M.CH., F.R.C.S., M.A., F.R.A.C.S. (Surgery).
GUEST, F. W., M.A., LL.M. (Law).
HERD, E. W., M.A. (Modern Languages).
HORSMAN, E. A., M.A. (English).
HUNTER, J. D., M.D., M.R.C.P., M.R.A.C.P. (Medicine).
IRONSIDE, W. J., M.D. (Psychological Medicine).
MANTON, G. R., M.A. (Classics).
MARPLES, B. J., M.A., M.SC., F.R.S.N.Z. (Zoology).
MILES, J. A. R., M.A., M.D., B.CHIR., F.R.A.C.P., F.R.S.N.Z. (Microbiology).
MILES, J. A. R., M.A., M.D., B.CHIR., F.R.A.C.P. (Microbiology).
MITCHELL, F. W., M.A., B.SC., PH.D. (Education).
MORRELL, W. P., M.A., D.PHIL. (History).
NIMMO, R. R., M.SC., PH.D., F.INST.P. (Physics).
PARTON, H. N., M.SC., PH.D., F.N.Z.I.C. (Chemistry).
PLATT, P., M.A., B.MUS., B.LITT. (Music).
ROBINSON, J. R., M.D., B.CHIR., PH.D. (Physiology).
SAWYER, D. B., M.A. (Pure and Applied Mathematics).
SAYERS, E. G., C.M.G., M.D., F.R.C.P., F.R.A.C.P., F.R.S.N.Z. (Therapeutics).
SMIRK, Sir HORACE, M.D., F.R.C.P., F.R.A.C.P., (Medical Research).
TAYLOR, D., M.A. (Philosophy).
WALSH, Sir JOHN P., M.B., B.S., D.D.SC., Hon. M.D.S., F.D.S.R.C.S. F.R.S.N.Z. (Dentistry).
WARREN, J. LE B., M.D.SC., B.D.S., F.D.S.R.C.S. (Conservative Dentistry).
WILLIAMS, G. J., PH.D., M.SC., B.E. (Mining).
WILLIAMS, J. W., M.COM., PH.D. (Economics).
WRIGHT, J. L., M.B., CH.B., F.R.C.S., F.R.C.O.G., F.R.A.C.S. (Obstetrics and Gynæcology).

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VICTORIA UNIVERSITY OF WELLINGTON

WELLINGTON

Telephone: 46-046

Founded 1897

Chancellor: Sir DUNCAN STOUT, C.B.E., D.S.O., F.R.C.S., M.S.
Pro-Chancellor: P. P. LYNCH, C.B.E., B.SC., M.D. (N.Z.), F.R.A.C.P., LL.D.
Vice-Chancellor: J. WILLIAMS, LL.M., PH.D.
Registrar: L. O. DESBOROUGH, B.COM., A.R.A.N.Z.
Librarian: H. G. MILLER, M.A.

Number of full-time teachers: 225, including 34 professors.
Number of students: 3,916 attending lectures, 320 exempted.
Publication: *Victoria University of Wellington Calendar.*

DEANS:

Faculty of Arts: Prof. R. H. BROOKES, B.SC.ECON.
Faculty of Commerce: Prof. R. SIDEBOTHAM, B.A.(COM.).
Faculty of Law: Prof. C. C. AIKMAN, LL.M., PH.D.
Faculty of Science: Prof. S. N. SLATER, M.SC., D.PHIL.
Professor-in-Charge, School of Political Science and Public Administration: R. H. BROOKES, B.SC.ECON.
Professor-in-Charge, School of Social Science: W. G. MINN, M.A.

PROFESSORS:

AIKMAN, C. C., LL.M., PH.D. (Jurisprudence, Constitutional Law).
ALLAN, D. E., M.A. (English and New Zealand Law).
BAILEY, C. L., M.A. DIP.ED., (Education).
BEAGLEHOLE, E., M.A., PH.D., LITT.D., F.R.S.N.Z. (Psychology).
BEAGLEHOLE, J. C., C.M.G., M.A., PH.D. (British Commonwealth History).
BROOKES, R. H., B.SC.ECON. (Political Science).
BROSNAHAN, L. F., M.A., D.LITT.ET.PHIL. (English Language).
BUCHANAN, K. M., B.A. (Geography).
CAMPBELL, I. D., LL.M. (English and New Zealand Law).
CAMPBELL, J. T., M.A., PH.D. (Mathematics).
CLARK, R. H., M.SC., PH.D., F.G.S. (Geology).
DUNCAN, J. F., M.A., M.SC., D.SC., PH.D. (Theoretical Chemistry).
GORDON, H. D., B.SC., PH.D. (Botany).
GORDON, I. A., M.A., PH.D. (English Language and Literature).
HOLMES, F. W., M.A. (Economics).
MACKIE, A. G., M.A., PH.D. (Applied Mathematics).
MINN, W. G., M.A. (Social Science).
MURRAY, H. A., M.A. (Classics).
NORRISH, P. J., M.A. (Modern Languages).
PAGE, F. J., MUS.B. (Music).
PHILLIPS, E. A. B., B.A., DIP.ED. (Business Administration).
RICHARDSON, L. R., M.SC., PH.D. (Zoology).
SIDEBOTHAM, R., B.A.(COM.), A.R.A.N.Z., A.A.C.C.A., A.I.M.T.A., A.C.C.S. (Accountancy).
SLATER, S. N., M.SC., D.PHIL., F.R.I.C., F.N.Z.I.C. (Chemistry).
WALKER, D., M.SC., PH.D., D.SC., F.INST.P. (Physics).
WOOD, F. L. W., M.A. (History).
(Vacant—Accountancy, Anthropology, Biochemistry, Economics, German, Nuclear Physics and Psychology).

MASSEY UNIVERSITY OF MANAWATU

P.O. PALMERSTON NORTH

Founded 1936 as Massey Agricultural College and merged with the Palmerston North Branch of the Victoria University of Wellington 1963.

Chancellor: J. C. ANDREWS, M.SC., PH.D., F.R.I.C., F.N.Z.I.C.
Vice-Chancellor: A. STEWART, M.AGR.SC., D.PHIL.
Registrar: A. J. WEIR, J.P., B.SC., A.R.A.N.Z., A.N.Z.I.C.
Librarian: (Vacant).

Number of teachers: 110.
Number of students: 964 men, 661 women.
Publications: *Dairy Farming Annual, Sheep Farming Annual, Calendar.*

DEANS:

Faculty of Agricultural and Horticultural Science: I. L. CAMPBELL, B.AGR.SC., PH.D.
Faculty of Food Technology: J. K. SCOTT, B.E.(HONS.).
Faculty of Veterinary Science: I. J. CUNNINGHAM, C.B.E., D.SC.
Faculty of General Studies: K. W. THOMPSON, B.A., M.A., PH.D.

PROFESSORS:

CAMPBELL, I. L., B.AGR.SC., PH.D. (Diary Husbandry).
CANDLER, W. V., M.AGR.SC., PH.D. (Agricultural Economics and Farm Management).
CUNNINGHAM, I. J., C.B.E., D.SC., PH.D., B.V.SC., F.R.S.(N.Z.), (Veterinary Science).
FIELDEN, E. D., B.AGR.SC., B.V.SC. (Veterinary Clinical Science).
LANCASTER, M. C., B.SC., PH.D. (Animal Health).
RAE, A. L., M.AGR.SC., PH.D. (Sheep Husbandry and Wool).
SCOTT, J. K., B.E. (Hons.) (Food Technology).
THOMPSON, K. W., M.A., PH.D. (Geography).
TITCHEN, D. A., M.A., PH.D., B.V.SC. (Veterinary Biology).
(Vacant—Biological Science, Education, English, History, Horticulture, Mathematics, Plant Science).

TECHNICAL INSTITUTES

Central Institute of Technology: P.O.B. 177, Buick Street, Petone, Wellington; Principal E. W. MILLS, M.A., B.COM., DIP.ED.

Seddon Polytechnic College: Wellesley Street, Auckland, C.1; Principal R. A. KEIR, A.M.I.E.E.

SCHOOLS OF ART AND MUSIC

Elam School of Fine Arts: University of Auckland, Great North Road, Auckland; Dir. Prof. PAUL J. BEADLE, F.R.S., A.S.A.

School of Fine Arts: University of Canterbury, 108 Ilam Road, Christchurch; Dir. ERIC J. DOUDNEY, F.R.P.S., M.S.I.A. (acting).

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NICARAGUA

Population 1,551,688

ACADEMIES

Academia Nicaragüense (*Nicaraguan Academy*): Managua; 16th in order of foundation in Latin America; correspondent of the Real Academia Española, Madrid.

President: Carlos Cuadra Pasos.
Secretary: Diego Manuel Chamorro.
Treasurer: Adolfo Calero Orozco.
Librarian: Santos flores López.

Members:

Alvarez Lejarza, Emilio.
Bravo, Carlos A.
Buitrago, Edgardo.
Cuadra Cardenal, Pablo Antonio.
Montalván, José H.
Romero, Ramón.
Vega Bolaños, Andrés.
Ycaza Tigerino, Julio.

Elected:

Argüello, Rosendo.
Buitrago Morales, Fernando.
Cabrales, Luis Alberto.
Fiallos Gil, Mariano.
Paniagua Rivas, Rafael.
Pasos Montiel, Octavio.
Rodríguez Serrano, Felipe.
Sansón Terán, José.
Sequeira, Diego Manuel.

Academia de Geografía e Historia de Nicaragua: Managua; f. 1934; Pres. Rosendo Argüello; Sec. Modesto Armijo; publ. *Revista.*

Academia de la Historia de Granada: Granada.

Instituto Indigenista Nacional: Managua.

LIBRARIES

Biblioteca Nacional (*State Library*): Managua.

Biblioteca Centroamericana (*Central American Library*): Managua.

Biblioteca Económica y Financiera (*Economic and Financial Library*): Managua.

Biblioteca de la Casa del Obrero (*Working Men's Library*): Managua.

Biblioteca de la Guardia Nacional (*National Guards' Library*): Managua.

Biblioteca "Eduardo Montealegre": Chinandega.

Biblioteca "José Madriz": León.

Biblioteca Municipal: Nagarote, León.

Biblioteca "El Ateneo": Masaya; f. 1941; 35 mems.; Dir. Dr. Santiago Fajardo F.; publ. *Revista* (yearly).

Biblioteca "Morazan": Matagalpa.

Biblioteca "Rubén Darío" de Nicaragua (formerly *Biblioteca Americana*): Managua.

Biblioteca "Segovia": Ocotal, Nueva Segovia.

Biblioteca Municipal: Bluefields, Zelaya.

MUSEUMS

Museo Nacional de Nicaragua (*National Museum of Nicaragua*): Managua.

Museo "Tenderi": Masaya.

UNIVERSITY

UNIVERSIDAD NACIONAL DE NICARAGUA

LEÓN, NICARAGUA, C.A.

Telephone: 2612-2613

Founded 1811

The Universidad Nacional is the result of the union of the Universidad de Oriente y Mediodía with the Universidad de Occidente y Septentrión, these two universities having been respectively founded in 1804 and 1816.

Rector: Dr. Mariano Fiallos Gil.
Vice-Rector: Dr. José H. Montalván.
Sec.-Gen. Dr. Alfonso Urroz Martínez.
Librarian: Dr. Denis Martinez Cabezas.

Number of professors (*titulares*): 225.
Number of students: 1,500.

Deans:

Faculty of Medicine: Dr. Ernesto López Rivera.
Faculty of Pharmacy: Dr. Enrique Alvarado Sarria.
Faculty of Odontology: Dr. Héctor Vijil Mena.
Faculty of Engineering: Ing. Carlos Santos Berreteran.
Faculty of Economics: Dr. Antioco Sacasa Sarria.
Faculty of Education: Dr. Nassere Habed López.
Faculty of Law: Dr. Salvador Mayorga Orozco.
Faculty of Chemistry: Dr. Enrique Alvarado.
Faculty of Physics and Mathematics: Ing. Carlos Santos B.

Professors:

Faculty of Medicine:

Aragon, Dr. Lorenzo (Biology, Bacteriology, Tropical Pathology).
Arguello, Dr. Julio C. (Obstetrics).
Avellán, Dr. Mercedes (Medical Chemistry).
Berríos, Dr. Carlos (Gynaecology).
Birrios, Dr. Jesus (Legal Medicine)
Boniche, Dr. Alfonso (Pathological Medicine).
Buitrago, Dr. Roberto (Opthalmology).
Delgadillo, Dr. Alcides (Dermalotology and Venereal Diseases).
Granera, Dr. Jaime (Clinical Surgery).
Guevara, Dr. Uriel (Pathological Anatomy).
Gutiérrez, Dr. Absalón (Medicine and Surgery, Operational Medicine).
Herdocia, Dr. Filiberto (Clinical Pediatrics).
Ignacio Cabrera, Dr. Manuel (Physiology).
Lanzas M., Dr. Benjamin (Surgery).
Marín, Dr. Ariel (Descriptive Anatomy).
Martínez, Dr. Alberto (Biology, Pathological Medicine, Clinical Medicine).
Montalvan, Dr. José H. (Ethics and History of Medicine, Psychiatry).
Otero, Dr. Cayetano (Semeiology).
Pérez, Dr. Alejandro (Pediatrics).
Perez Masis, Dr. Roberto (Pharmacology).
Ramírez, Dr. Francisco (Oto-rhino-laryngology).
Rivas L., Dr. Alejandro (Hygiene and Preventive Medicine, Pathology).
Rubí, Dr. Emilio (Pathological Surgery).

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Sacasa, Dr. Enrique (Radiology).
Salamanca, Dr. Fabic (Pharmacology, Zoology and Botany).
Salinas, Dr. Eduardo (Parasitology).
Sequeira M., Dr. Gustavo (Clinical Propadeutic Medicine).
Taboada, Dr. Evenor (Histology and Embryology, Pathological Anatomy).
Taboada, Dr. Gonzalo (Pathological Surgery, Clinical Surgery).
Tijerino, Dr. Humberto (Physical Medicine, Clinical Medicine).
Tomas Campos, Dr. Jose (Physiology).
Vargas, Dr. Emilio (Mathematics).
Zopeda, Dr. Jose Manuel (Semeiology).

Faculty of Juridical and Social Sciences:
Areas R., Dr. Guillermo (Roman Law).
Armijo Loz Ano, Dr. Modesto (Professional Ethics).
Barbera, Ramón (Higher Grammar).
Barrera T., Dr. Ernesto (Penal Law).
Buitrago, Dr. Edgardo (History of Culture, Economics).
Buitrago, Dr. Nicolás (International Private Law).
Buitrago, Dr. Roberto (Notarial Law).
Cuadra, Ruben (Culture).
Fiallos O., Dr. Mariano (Social Law).
Granera P., Dr. Ramiro (Penal Procedure).
Gurdian, Dr. Salvador (English).
Herdocia L., Dr. Oscar (Administrative Law).
Mayorga O., Dr. Salvador (Social Law).
Ortega A., Dr. Rafael (Civil Law, Mercantile Law).
Pallais Godoy, Dr. José (Civil Procedure).
Palma Martinez, Dr. I. (Philosophy of Law).
Plata L., Dr. Francisco (Sociology).
Romero Chavez, Raimundo (History of Criminal Law).
Romero S., Dr. Eduardo (Legal Medicine).
Urroz M., Dr. Alfonso (Political Economy).
Zelaya R., Dr. Hernán (International Public Law).

Faculty of Chemistry:
Aguilar Balladares, Dr. Norlando (Galenic Pharmacy).
Alvarado Sarria, Dr. Enrique (Principles of Chemistry).
Argüello Dubón, Dr. Noel (Parasitology).
Avillán García, Dra. Mercedes (Minerals).
Delgadillo, Dr. C. José (Microscopy).
Lopez Flores, Dr. Francisco (Operative Pharmacy).
López Núnez, Dr. Roberto (History of Pharmacy).
Moreno Mendoza, Dr. Leonardo (Applied Pharmacy).
Pallais, Dr. Desiderio (Quantitative Analytical Chemistry).
Ruiz Zapata, Dr. Ernesto (Organic Chemistry).
Saborío Espinoza, Dr. Róger (Technological Pharmaceutics).
Sandino Ramírez, Dr. Rafael (Microbiology).
Vargas Pérez, Dr. Emilio (Pharmaceutical Zoology).

Faculty of Odontology:
Aragon Pastora, Dr. Lorenzo (Practical Biology).
Arguello Dubon, Dr. Noel (Biological Chemistry).
Arguello G., Dr. Jaime (Clinical Medicine).
Argúillo D., Dr. Noel (Inorganic Chemistry).
Castellon Barrete, Dr. Sergio (Dental Anatomy).
Cortes Cordero, Dr. Oscar (Orthodontics).
Delgado, Dr. Terencio (General Pathology).
Granera Padilla, Dr. Oscar (Prosthesis).
Guerra Cruz, Dr. Ernesto (Dental Surgery).
Gurdían, Dr. Ofilio (Clinical Dentistry).
Machado S., Dr. José (Children's Dentistry).
Mancilla Cabanas, Dr. Luis A. (Oral Pathology).
Martínez, Dr. Alberto (Theoretical Biology).
Montalván, Dr. José H. (Therapeutics).
Omeir Webster, Dr. Henningston (Oral Diagnostics).
Porras Cobar, Dr. Enrique (Prosthesis).
Ramirez Castillo, Dr. Francisco (Human Anatomy).
Sacasa S., Dr. Enrique (Radiology and Physiotherapy).
Sánchez, Dr. Máximo (Clinical Propadeutics).
Salinas Esquival, Dr. Salvador (Medical Therapeutics).
Sequira Madriz, Dr. Gustavo (General Physiology).
Tijerino, Dr. Humberto (Applied Physiology).
Vanegas, Dr. C. Julio (Odontology).
Vargas, Dr. Emilio (Mathematics).
Vigil Mena, Dr. Héctor (Operational Dentistry).

Faculty of Engineering:
Amador Kuhl, Ing. Raul (Concrete).
Arguello, Ing. Ricardo (Physical Education).
Ayon Garcia, Ing. Pablo (Co-ordinator).
Bengochea Guttérrez, Ing. Adolfo José (Geology and Mineralogy).
Bengoechea Delgadillo, Dr. Jaime (Chemistry).
Cajina Rios, Ing. Adan (Drinking Water Supply).
Cardoso Gutierrez, Arq. Norman (Architecture).
Chan López, Ing. José Agustín (Rational Mechanics).
Cisneros Leiva, Ing. Sofonias (Transport).
D'arce Vallecillo, Ing. Emilio (Steel and Timber).
Gadea, Ing. Leonel (Titular).
García Mayorga, Ing. Edgardo (Industrial Chemistry).
Gavarrete Cuadra, Ing. Franklin (Structures).
Hayn Vogl, Ing. Jorge (Higher Algebra).
Lola Blen, Dr. Adolfo (Statistics).
Lopez Berrios, Ing. Carlos (Soil Mechanics).
Lopez Solorzano, Ing. Salvador (Town Planning).
Mairena Gonzalez, Ing. Jesus (Mechanics of Fluids).
Mayorga, Dr. Genaro (Chemistry).
Garcia Mayorga, Dr. Anibal (English).
Morlock, Ing. Fritz (Physics).
Martinez, Ing. Edgard (Costing).
Reyes Valenzuela, Ing. Enrique (Topography).
Riveralíanez Valdivia, Ing. León (Legislation).
Rugama Nuñez, Ing. Cristobal (Astronomy and Geodesy).
Saavedra López, Ing. Francisco (Topography).
Urros Manfut, Ing. Orlando (Railways).
Vaca Martinez, Ing. Carlos (Rational Mechanics).
Vallecillo Arauz, Ing. Gonzalo (Lineal and Natural Drawing).
Zelaya Blanco, Ing. Roberto (Chemistry).

Faculty of Economics:
Antonio Garcia, Prof. Manuel (General Statistics).
Arguello Ramirez, Dr. Leonel (Social Law).
Cantareno, Dr. Luis A. (Political Economy).
Espinoza, Dr. Eduardo (Mathematics and Calculus).
Espinoza, Lic. Ronaldo (Economic Development).
Garcia, Dr. Manuel Antonio (Statistics).
Gazel Montalvo, Prof. Juan Gazel (Accountancy).
Gonzalez, Dr. José Carlos (Public Finance).
Incer Berque RA. Dr. Roberto (Economic Theory).
Lopez, Lic. Joaquin (Planning).
Manzanares, Dr. Danilo (Law).
Martinez, Lic. Juan Jose (Industrial Economics).
Montealegre, Dr. Sergio Mario (Sociology).
Novea, Lic. Sergio (Administration).
Pasquier, Dr. Arnaldo (International Economics).
Pasquier, Prof. Roberto (National Revenue).
Quant, Lic. Ernesto (Economic Theory).
Ramirez de Arellano, Prof. Julio (Financial Mathematics)
Ramirez, Lic. Anibal (Co-ordinator).
Robelo, Dr. Hugo (Statistics).
Sacasa Sarria, Dr. Antioco (Principles of Economics).
Sevilla, Dr. Edgar (Economic Cycles).
Somarriba, Dr. Horacio (Monetary Policy).
Turcios, Dr. Emilio (Agricultural Economics).
Zelaya, Dr. Fausto (Accountancy).

Escuela de Ciencias de la Educación:
Managua Section: 31 teachers.
Jinotepe Section: 14 teachers.

UNIVERSIDAD CENTRO AMERICANA
(Sección de Nicaragua)

APARTADO 69, MANAGUA
Telephone: 60-75

Founded 1961

President: Dr. León Pallais, S.J.
Registrar: Lic. Manuel Otano, S.J.
Librarian: Lic. Heraclio de la Iglesia, S.J.

Number of teachers: 36.
Number of students (1963-64): 600.

Publication: *Boletín General de la Universidad.*

Deans:
Faculty of Engineering: Ing. Filadelfo Chamorro.
Faculty of Law: Dr. Gustavo Adolfo Argüello Bolaños.
Faculty of Business Administration: Dr. Duilio Baltodano.

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NIGERIA

Population 35,752,000

LEARNED SOCIETIES

African Authors' Association: Ibadan; Pres. Dr. K. EZERA.

British Council, The: Headquarters: P.M.B. 1023, 227 Herbert Macaulay Street, Yaba; Rep. J. R. O'BRIEN; Eastern Nigeria: P.O. Box 330, Enugu and P.O. Box 202, Port Harcourt; Northern Nigeria: P.O. Box 81, Kaduna and British Council Centre, Kano; Western Nigeria: P.M.B. 5103, Ibadan.

Historical Society of Nigeria: Arts Building, Ahmadu Bello University, Zaria; f. 1955 to encourage interest in and work in connection with the study of history, especially Nigerian history; Pres. K. O. DIKE; Jec. H. F. C. SMITH; publs. *Journal* and *Bulletin of News*.

Nigerian Bar Association: Ibadan; f. 1962; Pres. Chief ROTIMI WILLIAMS.

Nigerian Institute of International Affairs: 9 Awolowo Road, G.P.O. Box 1727, Lagos; f. 1961; to provide a forum for the study of international affairs; Dir.-Gen. and Sec. Dr. L. A. FABUNMI.

Nigerian Library Association: c/o Eastern Nigerian Library Board, Enugu; f. 1962; Pres. KALU OKORIE, M.B.E., F.L.A.; Hon. Sec./Treas. O. ARAMIDE, F.L.A.; publ. *Nigerian Libraries*.

Science Association of Nigeria: f. 1958; Hon. Sec. Dr. C. I. O. OLANIYAN, University of Ibadan, Ibadan.

U.S. Information Centers: No. 1 Ogui Road, Enugu; Oyo Road, Mokola Roundabout, Ibadan; No. 5 Prince Edward's Way, Kaduna; P.M.B. 3059, Kano; 41 Broad Street, Lagos.

RESEARCH INSTITUTES

Federal

Agronomic Research Station: Umudike, Eastern Nigeria.

Agronomic Research Station: M.A.N.R., Moor Plantation, Ibadan, Western Nigeria.

Federal Department of Agricultural Research: Moor Plantation, Ibadan; f. 1910; research on soils and crop nutrition, improvement of food crops and control of plant diseases and pests; library of 2,600 vols., 150 current periodicals; Dir. G. E. O. OKIY, B.SC.; publs. *Annual Report, Quarterly Research Bulletin, Memoranda, Index of Research*.

Federal Institute of Industrial Research: P.M.B. 1023, Ikeja Airport; f. 1956; to accelerate and encourage industrial development, especially of agricultural products; Dir. W. N. WILLIAMS.

Federal Veterinary Research Service: Vom, Northern Nigeria; Dir. A. L. C. THORNE, M.R.C.V.S.

Fisheries Research Service: P.M.B. 12529, Lagos.

Federal Department of Forest Research: P.M.B. 5054, Ibadan; Dir. J. E. M. HORNE, B.SC.; Asst. Dir. C. F. A. ONOCHIE, B.SC., F.L.S.

Agricultural Research Institute, Ahmadu Bello University: P.M.B. 1044, Samaru, Zaria, Northern Nigeria; Dir. and Prof. of Agriculture H. S. DARLING, B.SC., M.AGR., PH.D.; research staff of 50 covering agronomy, plant-breeding, plant pathology, cotton, entomology, crop physiology, animal nutrition, pastures, soil survey and agricultural engineering; library of 3,927 vols., 362 current periodicals; publs. *Samaru Research Bulletins, Samaru Technical Reports* (annual), *Samaru Agricultural News Letter* (monthly), Annual Reports.

Nigerian Institute of Social and Economic Research: University of Ibadan, Ibadan; f. 1957; conducts and assists social and economic research.

West African Institute for Trypanosomiasis Research: stations at Vom and Kaduna; f. 1951 to undertake research into human and animal trypanosomiasis; Dir. K. C. WILLETT.

West African Institute for Oil Palm Research: Headquarters: Benin; substations in Calabar Province, Nigeria and at Njala, Sierra Leone; responsible for research in oil palm production and for recommending improved methods; Dir. C. W. S. HARTLEY.

LIBRARIES

British Council Libraries: There are libraries and reading rooms at each of the British Council offices listed above.

Eastern Nigeria Library Board: Private Mail Bag, Enugu, Nigeria; the Board was established in 1955 to establish, equip, manage and maintain libraries in the Eastern Nigeria; Chair. M. R. SNODIN, B.A.; Regional Librarian K. C. OKORIE, M.B.E., F.L.A.

Regional Central Library: Ogui Road, Enugu; f. 1956; permanent premises opened in 1959; lending and reference library activities; legal deposit and regional centre for bibliographical information and research; the book-stock consists of 29,000 volumes, Nigeriana collection, and a mobile library; the library is part of a UNESCO pilot project. The Board established its first divisional library at Port Harcourt in March 1962, and a second one will be completed in December 1963. A third library, to be in operation in 1964, is being planned at Umuahia; publs. *Annual Report, The Library Record*.

National Archives: Ibadan.

North Regional Library: Kaduna; f. 1953; 80,000 vols.; Regional Librarian ROBERT PEARCE, A.L.A.; publs. *Annual Report, School Book Lists, Nigerian List of Holdings*.

Public Library: Lagos; 17,500 vols; Librarian Mrs. E. E. OKU.

University Library: Ibadan; 165,000 vols., 2,900 periodicals; Librarian and Dir. of Institute of Librarianship W. J. HARRIS, B.A., F.N.Z.L.A.

University of Nigeria Library: Nsukka; f. 1960; capacity 472,000 vols.; Librarian R. V. ATHAIDE, M.A., B.SC., LL.B., PH.D., F.L.A.

Western Regional Library: Ibadan; 35,000 vols.; Librarian R. A. AREJE.

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MUSEUMS

The museums controlled by the Federal Department of Antiquities (headquarters at Jos) are as follows:

Jos Museum: Jos, Plateau Province; f. 1952; ethnography and archæology of Nigeria.

Nigerian Museum: Onikan Road, Lagos; f. 1957; ethnography, archæology and traditional art; Curator ALEXANDER LOPOSIC.

Ife Museum: Ife; f. 1954; bronze, terra-cotta and stone antiquities of Ife; Archæologist FRANK WILLETT, M.A.

Oron Museum: Oron; f. 1959; ancestral carvings of the Oron area.

Gidan Makama Museum: Kano; f. 1959; local art work.

UNIVERSITIES

AHMADU BELLO UNIVERSITY

ZARIA, NORTHERN NIGERIA

Founded 1962

Chairman of the Council: ALHAJI MAINA UMAR SULAIMAN, O.B.E., Emir of Bedde.
Vice-Chancellor: N. S. ALEXANDER, C.B.E., PH.D., D.SC.
Number of students: approx. 500.

Faculties: Arts, Science, Engineering, Architecture, Agriculture, Veterinary Science, Arabic and Islamic Studies.

ATTACHED INSTITUTE:

Institute of Administration: Zaria; f. 1954; the Institute became part of Ahmadu Bello University in October 1962. It provides courses leading to the LL.B. and D.P.A. degrees.

Principal: S. S. RICHARDSON, O.B.E.
Deputy Principal and Head of Local Government Department: M. J. CAMPBELL, M.C.
Administrative Secretary: J. D. BROWN.
Librarian: P. STEPHEN, A.L.A.

The Institute also controls 36 local government touring teams stationed in the 13 provinces, and supplies judicial and local government treasury training to the provinces. These touring teams give short courses to some 15,000 students annually.

Number of staff: 90.
Number of students: 600.

UNIVERSITY OF IBADAN

IBADAN

Telephone: Ibadan 22841

Founded 1962. Previously established as University College 1948.

Chancellor: ALHAJI SIR ABUBAKAR TAFAWA BALEWA, K.B.E., HON.LL.D.
Pro-Chancellor and Chairman of Council: Dr. O. IKEJIANI, B.SC., M.SC., M.D., HON.SC.D.
Vice-Chancellor: K. O. DIKE, M.A., PH.D., HON.LL.D., HON.D.LITT., HON.D.SC.
Registrar: N. K. ADAMOLEKUN, B.A.
Librarian: W. J. HARRIS, B.A., F.N.Z.L.A.

Library: 162,000 vols.
Number of teaching staff: 250, including 33 professors.
Number of students: 1,625 men, 153 women, total 1,778.

Publications: *University of Ibadan Calendar, University of Ibadan Gazette.*

DEANS:

Faculty of Arts: K. M. BARBOUR, B.LITT., M.A.
Faculty of Science: J. GRAYSON, M.SC., M.D.
Faculty of Medicine: J. C. EDOZIEN, B.SC., M.SC., M.D., M.R.C.P.ED.
Faculty of Agriculture: H. A. OLUWASANMI, B.A., M.A., PH.D.
Faculty of Economics and Social Studies: (Vacant).
Faculty of Education and Extra-Mural Studies: A. TAYLOR, M.A., DIP.ED.

PROFESSORS:

Faculty of Arts:

AJAYI, J. F. A., B.A., PH.D. (History).
ANENE, J. C., M.A., PH.D., DIP.ED. (History).
BARBOUR, K. M., B.LITT., M.A. (Geography).
EVANS, H. G. J., B.A., PH.D. (French).
FERGUSON, J., M.A., B.D., C.I.A.L. (Classics).
WHITE, K. D., M.A. (Classics).
(Vacant—Arabic and Islamic Studies, English, Linguistics and Nigerian Languages, Religious Studies).

Faculty of Science:

BEVAN, C. W. L., B.SC., PH.D., F.R.I.C. (Chemistry).
BOLWIG, N., M.SC., D.SC. (Zoology).
COLLARD, K., M.A., M.SC., PH.D. (Mathematics).
HIRST, J., B.SC., PH.D. (Chemistry).
IRVINE, D. H., B.SC., PH.D. (Chemistry).
LYON, A. J., M.A., PH.D. (Physics).
ONWUMECHILLI, C. A., B.SC., PH.D. (Physics).
REYMENT, R. A., M.SC., Filosofie Licentiat, Filosofie Doktor (Geology).
TAYLOR, D. A. H., M.A., D.PHIL. (Chemistry).
(Vacant—Botany).

Faculty of Medicine:

BASSIR, O., B.SC., PH.D., F.R.I.C., M.I.NUC.ENG. (Biochemistry).
BROWN, A., C.B.E., M.B., CH.B., F.R.C.P.ED., M.R.C.P. (Medicine).
EDINGTON, G. M., M.B.E., M.D., M.R.C.P., D.C.P., D.T.M. & H. (Pathology).
EDOZIEN, J. C., B.SC., M.SC., M.D., M.R.C.P.ED. (Chemical Pathology).
GILLES, H. M., B.SC., M.D., D.T.M. & H. (Preventive and Social Medicine).
GRAYSON, J., M.SC., M.D. (Physiology).
HARPER, W. F., B.SC., PH.D., M.B., CH.B., M.D., F.R.S.ED. (Anatomy).
HENDRICKSE, R. G., M.D., M.R.C.P.ED. (Pædiatrics).
LAMBO, T. A., O.B.E., M.D., M.R.C.P.ED., D.P.M. (Psychiatry).
LAWSON, J. B., M.A., M.B., B.CHIR., F.R.C.O.G. (Obstetrics and Gynæcology).
PULVERTAFT, R. J. V., M.D., F.R.C.P. (Preventive and Social Medicine).
RICHARD, R. C., B.S., M.D. (Surgery).
WILSON, A. M. M., B.A., B.M., B.CH., DI.PBACT. (Bacteriology).
(Vacant—Pharmacology, Ophthalmology, Radiology).

Faculty of Agriculture:

OLUWASANMI, H. A., B.A., M.D., PH.D. (Agricultural Economics).
(Vacant—Agricultural Biology, Agricultural Chemistry and Soils, Agriculture).

Faculty of Economics and Social Studies:

BARATZ, M. S., B.A., M.A., PH.D. (Economics).
BLACK, J. E., B.S., A.M., PH.D. (Government).

Faculty of Education and Extra-Mural Studies:

BROWN, G. N., M.A., D.PHIL. (Education).
TAYLOR, A., M.A., DIP.ED. (Education).

UNIVERSITY OF IFE

IBADAN BRANCH, IBADAN

Telephone: 22261

Founded 1961

Chancellor: Chief ROTIMI WILLIAMS, Q.C., M.A.
Vice-Chancellor: Dr. ADADELE ADEBAYO AJOSE.
Pro-Vice-Chancellor: Dr. S. O. BIOBAKU, C.M.G., M.A., PH.D.

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Registrar: (Vacant).
Librarian: R. S. BURKETT, M.A.

Number of students (1962): approx. 400.

Publication: *The African Historian.*

PROFESSORS:

BIOBAKU, S. O., C.M.G., M.A., PH.D., (Dir. of the Institute of African Studies).
CARNIE, R. H., M.A., PH.D., (English).
MONTGOMERY HYDE, H., M.A., D.LITT., F.R.H.S. (History).
KURTH, R., PH.D. (Mathematics).
ONABAMIRO, S. D., B.SC., PH.D. (Zoology).
OYENUGA, V. A., B.SC., PH.D., F.R.I.C. (Agriculture).
POLUNIN, N., M.A., D.PHIL., D.SC., M.S., F.L.S., F.R.G.S., F.R.H.S. (Botany).

UNIVERSITY OF LAGOS

LAGOS

Telephone: 45762

Founded 1962

Vice-Chancellor: Prof. ENI NJOKU.
Chairman of the Provisional Council: Dr. E. N. O. SODEINDE.
Registrar: Chief A. Y. EKE.
Librarian: Miss E. M. MOYS (Acting).

Number of teachers (1962-63): 16, part-time 2.
Number of students (1962-63): 103.

Publications: *General Education in the University, Calendar.*

DEANS:

Faculty of Business and Social Studies: Prof. S. K. WOLF.
Faculty of Law: Prof. L. C. B. GOWER.

PROFESSORS:

GOWER, Prof. L. C. B.
KRUSA, Prof. H. E.
NJOKU, Prof. ENI.
WOLF, Prof. S. K.

UNIVERSITY OF NIGERIA

NSUKKA, EASTERN NIGERIA

Telephone: Nsukka 48, 49, 50, 51, 52, 53

Telegraphic Address: Nigersity, Nsukka

Founded 1960

Chancellor: The Rt. Hon. Dr. NNAMDI AZIKIWE, P.C., M.A., M.SC., LL.D., D.LITT., His Excellency the Governor-General and Commander-in-Chief of the Federation of Nigeria.
Vice-Chancellor: GEORGE M. JOHNSON, LL.B., J.S.D.
Registrar: V. CHUKWUEMEKA IKE, B.A.(London).
Librarian: S. C. NWOYE, B.A., DIP.LIB.(London), A.L.A. (U.K.).

Number of teachers (1963): 160.
Number of students (1963): 1,200.

Publications: *University of Nigeria, University Prospectus.*

DEANS:

Faculty of Arts: J. A. NOONAN, B.A., M.A., D.PHIL (OXON).
Faculty of Science: P. C. CHAUDHURI, M.SC., PH.D.
Faculty of Social Studies: KALU EZERA, M.A., D.PHIL.
Faculty of Technology: R. C. DAVIES, M.A., PH.D. (MICH. STATE).

PROFESSORS:

BLYDEN, E. W. III, B.A., M.A., M.ED., PH.D. (African Studies).
BRANCKER, A. V., B.SC., M.SC., PH.D. (Physics).
CHAUDHURI, P. C., M.SC., PH.D. (Mathematics).
COX-GEORGE, N. A., M.SC., PH.D. (Economics).
KIRKLAND, M. W., Mrs., M.A., ED.D. (Home Economics).
MARKOV, M., PH.D. (History).
MITCHEL-THOME, R. C., B.SC., DIP. MINING GEOL., D.PHIL. (Geology).
SHARMA, H. L., M.SC. L.T., PH.D., F.R.A.SC., F.A.Z. (Zoology).

COLLEGES

School of Agriculture: Akure, Western Nigeria; f. 1957.

School of Agriculture: Moor Plantation, Ibadan; f. 1921; Principal M. B. TELLA; 90 students.

School of Dental Hygiene: Lagos.

School of Forestry: Ibadan; Principal A. M. OSENI, M.A., B.SC. (Senior Research Officer).

School of Dispensing Assistants Pharmaceutical Manufacturing Laboratory: Yaba, Lagos.

Veterinary School: Vom, Northern Nigeria; Principal R. M. GAMBLES, M.A., B.SC., M.R.C.V.S., F.R.E.S.

YABA TECHNICAL INSTITUTE

YABA, LAGOS, NIGERIA

Founded 1948.

Principal: J. R. SCOBIE, M.A. (acting).
Vice-Principal: A. G. POTTER, B.A., A.C.C.S., A.I.I.A. DIP. (acting).
Librarian: L. O. AKINYELE.

The library contains 6,000 volumes.

Number of teaching staff: Full-time: 48, Part-time: 40, Total: 85.

Number of students: 412 resident students, 858 evening and part-time students.

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NORWAY

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Norske Videnskaps Akademi i Oslo (*The Norwegian Acad. of Science and Letters in Oslo*): Drammensveien 78, Oslo; f. 1857; publs. *Skrifter, Avhandlinger, Årbok, Geofysiske Publikasjoner, Astrophysica Norvegica, Physica Norvegica, Hvalrddets shrifter.*

Hon. President: H.M. the King.
President: Prof. Dr. G. Morgenstierne.
Vice-President: Prof. Dr. G. Waaler.
Secretary-General: Prof. Dr. P. Svendsen.

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Honorary Members:

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Christensen, Lars.
Eriksen, Bjarne.

Mathematics and Natural Sciences:

Aalvik, Gunnar (Botany).
Aaser, Carl S. (Veterinary Medicine).
Aubert, Karl Egil (Mathematics).
Bache-Wiig, Jens (Engineering).
Backer-Grøndahl, Nils (Medicine).
Barth, Tom (Mineralogy and Geology).
Bastiansen, Otto (Chemistry).
Berge, Samson (Agriculture).
Bergersen, Birger (Zoology).
Berner, Endre Q. (Chemistry).
Braarud, Trygve (Botany).
Brattstrom, Hans (Zoology).
Breirem, Knut (Agriculture).
Brinkmann, August (Zoology).
Broch, Einar (Physics).
Broch, Hjalmar (Zoology).
Brodal, Alf (Medicine).
Brun, Viggo (Mathematics).
Bugge, Carl (Geology).
Christophersen, Erling (Botany).
Dahl, Eilif (Botany).
Dahl, Odd (Engineering).
Dale, Torleif (Medicine).
Danbolt, Niels (Medicine).
Devik, Olaf M. (Physics).
Dybing, Ottar (Veterinary Science).
Eeg-Larsen, Nicolay (Medicine).
Efskind, Leif (Medicine).
Eger, C. W. (Engineering).
Eide, Erling (Agriculture).
Eldjarn, Lorentz (Medicine).
Eliassen, Arnt (Geophysics).
Eliassen, Einar (Zoology).
Fægri, Knut (Botany).
Fjeldstad, Jonas Ekman (Physics).
Fjørtoft, Ragnar (Meteorology).
Flood, Haakon (Chemistry).
Følling, Asbjørn (Medicine).
Føyn, Bjørn (Zoology).
Furberg, Sven (Chemistry).
Gaarder, Torbjørn (Chemistry).
Gjærevoll, Olav (Botany).
Gleditsch, Ellen (Chemistry).
Godske, C. L. (Geophysics).
Grini, O. (Veterinary Medicine).
Grønningsaeter, Anton (Engineering).
Hagem, Oscar Chr. (Botany).
Hagen, Yngvar (Zoology).
Hanssen, Olav M. (Medicine).
Haraldsen, Haakon (Chemistry).
Harang, Leiv (Geophysics).
Hassel, Odd (Physics and Chemistry).
Hauge, T. Dannevig (Engineering).
Heimbeck, Johannes (Medicine).
Heintz, Anathol (Geology).
Hesselberg, H. Theodor (Meteorology).
Hoel, Adolf (Geology).
Holgersen, Holger (Zoology).
Holmsen, Gunnar (Geology).
Holtedahl, Olaf (Geology).
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Høiland, Einar (Physics).
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Ihlen, Alf (Engineering).
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Isachsen, Fridtjov (Geography).
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Johansson, Ingebrigt (Mathematics).
Johnsen, Henry (Engineering).
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Kolderup, Niels-Henr. (Geology).
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Kvale, Anders (Geology).
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Låg, Jul (Agriculture).
Laland, Per (Pharmacy).
Langfeldt, Einar (Medicine).
Langfeldt, Gabriel (Medicine).
Langsæter, Alf (Agriculture).
Larsen, Gerhard (Medicine).
Lea, Einar (Fisheries).
Leegard, Fredrik (Medicine).
Lid, Johannes (Botany).
Ljunggren, Wilhelm (Mathematics).
Lyche, Ralph Tambs (Mathematics).
Malling, Birger (Medicine).
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Monrad-Krohn, Georg Herman (Medicine).
Mork, Elias (Agriculture).
Mosby, Haakon (Oceanography).
Müller, Carl (Medicine).
Natvig, Leif (Zoology).
Neumann, Henrich (Mineralogy).
Nicolaysen, Ragnar (Medicine).
Nordhagen Rolf (Botany).
Oftedal, Ivar (Geology).
Olstad, Ola (Zoology).
Opheim, Odd (Medicine).
Orvin, Anders (Geology).
Owe, Aage (Engineering).
Owren, Paul (Medicine).
Palm, Enoch (Geophysics).
Pappas, Alexis (Chemistry).
Pedersen, Sverne(Architecture).
Poulsson, Leif (Medicine).
Printz, K. Henrik O. (Botany).
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SELBERG, SIGMUND (Mathematics).
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WAALER, GEORG (Medicine).
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WESTIN, SVERRE (Physics).
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ØDEGÅRD, ØRNULV (Medicine).
ØDELIEN, MIKKEL (Agriculture).

Historical and Philosophical Sciences:

AALL, LILY WEISER (Folklore).
AMUNDSEN, LEIV (Classical Philology).
ANDENAES, JOHANNES (Law).
ANDERSEN, KRISTEN (Law).
ARNHOLM, CARL JACOB (Law).
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AUGDAHL, PER (Law).
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BERG, ARNO (Art History).
BERG, PAAL (Law).
BERGSLAND, KNUT (Philology).
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BULL, FRANCIS (Nordic Literature).
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CHRISTIANSEN, REIDAR TH. (Folklore).
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HALVORSEN, EYVIND FJELD (Philology).
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HEYERDAHL, THOR (Ethnology).
HOFF, INGEBORG (Philology).
HOLM, SVERRE (Sociology).
HOLM-OLSEN, LUDVIG (Philology).
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HOLTSMARK, ANNE (Philology).
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HYGEN, JOHAN B. (Theology).
IVERSEN, RAGNVALD (Philology).
JAHN, GUNNAR (Economics).
JANSEN, H. LUDIN (Theology).
JOHNSEN, ARNE ODD (History).
KAARTVEDT, ALF (History).
KAPELRUD, ARVID (Theology).
KIELLAND, THOR B. (Art History).
KJELLBERG, REIDAR (Ethnology).
KLAESTAD, HELGE (Law).
KLOSTER, ROBERT (Art History).
KNUDSEN, TRYGVE (Philology).
KOHT, HALVDAN (History).
KOLSRUD, KNUT (Folklore).
KRAG, ERIK (Literature).
LAACHE, ROLV (Literature).
LIE, HALLVARD (Philology).
L'ORANGE, H. P. (Archæology).
MANNSÅKER, DAGFINN (History).
MARSTRANDER, CARL J. S. (Celtic Philology).
MIDTTUN, OLAV (Literature).
MOE, OLAF (Theology).
MOHR, ANTON (Geography).
MOLLAND, EINAR (Theology).
MORGENSTIERNE, GEORGE V. VON MUNTHE AF (Indian Philology).
MOWINCKEL, SIGMUND O. P. (Theology).
MØRLAND, HENNING (Philology).
MYKLAND, KNUT (History).
NESHEIM, ASBJØRN (Philology).
NESS, ARNE (Philosophy).
NISSEN, KRISTIAN (History).
NOME, JOHN (Theology).
OFTEDAL, MAGNE (Celtic Philology).
ORDING, ARNE (History).
PETERSEN, ERLING (Economics).
PETERSEN, JAN G. TH. (Archæology).
POLAK, ADA B. (Art History).
REIERSÓL, OLAV (Statistics).
REINTON, LARS (History).
ROBBERSTAD, KNUT (Law).
ROMMETVEIT, RAGNAR (Psychology).
RØSTVIG, MAREN-SOFIE (Literature).
SALTVEIT, LAURITS)Philology).
SANDVEN, JOHANNES (Psychology).
SANDVIK, OLE M. (Music).
SCHJELDERUP, HARALD K. (Philosophy).
SCHREINER, JOHAN (History).
SEIERSTAD, ANDREAS (Theology).
SEIP, JENS A. (History).
SELMER, ERNST W. (Germanic Philology).
SELMER, KNUT S. (Law).
SEMMINGSEN, INGRID (History).
SKARD, EILIV (Classical Philology).
SKARD, SIGMUND (Literature).
SKODVIN, MAGNE (History).
SKRONDAL, ANDERS (Theology).
SKULERUD, OLAI (Philology).
SOLHEIM, SVALE (Norwegian Folklore).
SOMMERFELT, ALF A. (Philology).
SØRLIE, MIKJEL (Philology).
STANG, CHRISTIAN S. (Philology).

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STEEN, ELLISIV (Literature).
STEEN, SVERRE (History).
STEINNES, ASGAUT (History).
STIGUM, HILMAR (Archæology).
STRØMME, ARNULF (Philosophy).
SVENDSEN, PAULUS (Literary History).
SVERDRUP, ERLING (Statistics).
THESEN, ROLV (Literature).
THORSON, PER (Philology).
VOGT, HANS (Philology).
VOGT, JOHAN (Economics).
WILLOCH, SIGURD (Art History).
WINSNES, ANDREAS H. (Literary History).
WORM-MÜLLER, JACOB S. (History).
ØSTBY, LEIF (Art History).

PRIZE FOUNDATION

The Nobel Committee of the Norwegian Parliament (Nobel Peace Prize) and the Norwegian Nobel Institute

The Nobel Committee of the Norwegian Parliament is, in accordance with the will of the Swedish engineer and inventor, Dr. ALFRED NOBEL, drawn up on September 27th, 1895, entrusted with the distribution of one of the five prizes instituted in the will, viz., the *Nobel Peace Prize*.

The Storting accepted the task imposed upon it on April 26th, 1897, and shortly after, elected the five members of the Committee. Members are elected for six years and retiring members may be re-elected. Three substitutes are elected every three years.

According to the Code of Statutes of the Nobel Foundation and the Special Regulations concerning the Peace Prize, candidates must be proposed in writing before February 1st of each year by a duly qualified person. Any of the following persons are held to be duly qualified to present candidates:

1. Members and late members of the Nobel Committee of the Norwegian Parliament as well as the advisers appointed by the Norwegian Nobel Institute.
2. Members of Parliaments and Governments of the various states, as well as members of the Inter-parliamentary Union.
3. Members of the International Arbitration Court at The Hague.
4. Members and associates of the Institut de Droit International.
5. University Professors of Political Science and of Law, of History and Philosophy.
6. Persons who have received the Nobel Peace Prize.

Direct personal applications for the Peace Prize are not considered. Every written work, to qualify for the Prize, must have appeared in print.

The Prize can also be awarded to Institutions and Associations and may be divided equally between two candidates.

No work may be awarded a prize unless it has been proved by the test of experience or by the examination of experts to possess the pre-eminent excellence indicated by the terms of Dr. Nobel's will. If it is deemed that none of the works attains the required standard of excellence, the Prize shall be withheld until the ensuing year. Should it even then be found impossible to make any award, the amount of the Prize shall be added to the Main Fund of the Nobel Foundation, unless four members at least determine that two-thirds of the amount shall be set aside for a *Special Fund* of the Peace Prize Committee.

The Prize is distributed on the anniversary of the death of Dr. Nobel, the 10th of December. The award may, however, be made known before that date. On December 10th the prize winner (or winners) receives the amount of the Prize together with a diploma designed by the Norwegian artist, GERHARD MUNTHE, and a gold medal made by the Norwegian sculptor, GUSTAV VIGELAND. The first award of the Nobel Peace Prize was in 1901.

Sixteen prizes have not been distributed, and two-thirds of the amount of some of the prizes has been set aside for a *Special Fund of the Peace Prize Committee* mentioned above. This Fund amounted in 1963 to 2,401,234.81 (Swedish) Kr. According to the Statute of the Nobel Foundation the proceeds of the Fund can be employed to support international Peace efforts. The amount of the Nobel Peace Prize in 1961 was 250,232.88 (Swedish) Kr.

The members of the Nobel Committee of the Norwegian Parliament are as follows:

G. JAHN (Chair.), G. NATVIG PEDERSEN (Deputy Chair.), C. J. HAMBRO, M. TRANMAEL, Å. LIONAES.

General Secretary of the Committee, A. SCHOU, Director of the Norwegian Nobel Institute.

Peace Prizewinners since 1945 are as follows:

1945	CORDELL HULL (American).
1946	JOHN R. MOTT (American).
	EMILY GREENE BALCH (American).
1947	*American Friends' Service Committee, Washington, D.C.*
	Friends' Service Council, London.
1948	No award.
1949	Lord BOYD-ORR (British).
1950	Dr. RALPH BUNCHE (American).
1951	LÉON JOUHAUX (French).
1952	Dr. ALBERT SCHWEITZER (French).
1953	Gen. GEORGE MARSHALL (American).
1954	*Office of the U.N. High Commission for Refugees.*
1955	No award.
1956	No award.
1957	LESTER BOWLES PEARSON (Canadian).
1958	Father PIRE, O.P. (Belgian).
1959	PHILIP NOEL-BAKER (British).
1960	Chief ALBERT LUTHULI (South African).
1961	DAG HAMMARSKJÖLD (posthumous) (Swedish).
1962	No award.
1963	LINUS CARL PAULING (American).

To assist in the investigations necessary for making the award, and for the promotion in other ways of the aims of the Nobel Foundation, the adjudicators of the various Nobel Prizes possess powers to establish scientific institutions, under the name of Nobel Institutes.

The Peace Prize Committee established the *Norwegian Nobel Institute* at Oslo on November 30th, 1903. The object of the institute is to follow the development of international relations, especially to work for the pacific settlement of them, and thereby to advise the Committee with regard to the distribution of the Prize. The Institute publishes a series of scientific treatises: *Publications de l'Institut Nobel norvégien*.

To the Institute are attached *Advisers* on international law, modern history and economics, appointed for a period of three years. Those serving at present are: KAARE D. TÖNNESSON for history, TORKEL OPSAHL for international law, PREBEN MUNTHE for economics. The Advisers, in collaboration with the Director of the Institute, deliver to the Nobel Committee confidential reports on the candidates for the Peace Prize. To the Institute is attached a library containing 72,000 vols. on the peace movement, international law, history, and political economy.

The Director of the Institute is AUGUST SCHOU.

The Institute has its separate quarters at 19 *Drammensveien, Oslo.*

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LEARNED SOCIETIES AND RESEARCH INSTITUTES

General

Forskningsrådenes Fellesutvalg (*Joint Committee of the Norwegian Research Councils*): Wergelandsveien 15, Oslo; f. 1949; Chair. Birger Bergersen; Gen. Sec. Kjell Eide; acts as advisory board to the Government on general problems concerning research and higher education and co-ordinates the following three councils:

Norges Almenvitenskapelige Forskningsråd (*Norwegian Council for Science and the Humanities*): Wergelandsvein 15, Oslo; f. 1949; sections concerned with languages and history, social sciences, psychological and educational research, natural sciences, and medicine; Chair. E. Molland; Dir. E. Fjellbirkeland.

Norges Landbruksvitenskapelige Forskningsrad (*The Agricultural Research Council of Norway*): Wergelandsveien 15, Oslo; f. 1949; Chair. A. E. Langsaeter; Dir. J. Ringen.

Norges Teknisk-Naturvitenskapelige Forskningsråd (*Royal Norwegian Council for Scientific and Industrial Research*): Gaustadalleen 30, Oslo; f. 1946 by act of the Storting (Parliament); 25 mems. representing in near equal proportions the Government, industry, and the nation's research institutes; the C.S.I.R. is an independent organisation dedicated to promote scientific and industrial research; it has increased the number of Norway's research scientists by awarding Travel Fellowships to University graduates for advanced training abroad, and has established 9 research institutes; Chair. C. Höegh; Dir. R. Major.

Archæology

Foreningen til norske Fortidsminnesmerkers Bevaring (*Society for the Preservation of Ancient Monuments in Norway*): Kirkegaten 14-18, Oslo; f. 1844; Chair. Bernt Hejberg; Sec. Egil Sinding-Larsen; publ. *Årbok for Foreningen til norske Fortidsminnesmerkers Bevaring* (annual).

Architecture

Norske Architekters Landsforbund (*The Association of Norwegian Architects*): Drammensveien 20a, Oslo; f. 1911; 1,162 mems.; Pres. Architect M.N.A.L. Frode Rinnan; Sec.-Gen. Architect M.N.A.L. J. Jervell Grimelund; publs. *Byggekunst, Arkitektnytt, Norske Arkitektkonkurranser.*

Art

Bildende Kunstneres Styre (*Art Assen.*): Wergelandsveien 17-19, Oslo; f. 1886; 8 mems. elected by 400 painters, sculptors and drawers; Pres. Håkon Stenstadvold; Sec. Otto Kåri.

Chemistry

Norsk Kjemisk Selskap (*Norwegian Chemical Society*): Studieselskapet for Norsk Industri, Forskningsveien 1, Blindern, Oslo; f. 1893; 750 mems.; Gen. Sec. Dr. techn. Wilhelm Holst; Chair. Direktor Dr. Aage Lund; publs. *Tidsskrift for Kjemi, Bergvesen og Metallurgi* (10 numbers yearly), *Year Book.*

Economics, Politics

Norsk Utenriks-Politisk Institut (*Norwegian Institute of International Affairs*): c/o Universitetet i Oslo, Oslo; f. 1959; Dir. Dr. Sanness.

Statsøkonomisk Forening (*Economic Association of Norway*): Dronningensgt. 16vi, Oslo; 600 mems.; Dir. Knut Getzwold; Sec. Gisle Skancke; publ. *Statsokonomisk Tidsskrift* (4 numbers a year).

Engineering

Norske Ingeniørforening, Den (*Norwegian Society of Engineers*): Kronprinsensgate 17, Oslo; f. 1874; 8,000 mems.; Pres. Finn Rafn; Gen. Sec. A. Nagell; publ. *Teknisk Ukeblad* (weekly).

Geography, Geophysics, Exploration

Geofysiske Kommisjon, Den (*Geophysical Commission*): Det Norske Meteorologiske Institutt, Blindern, Oslo; f. 1919; 5 mems.; Pres. Dr. R. Fjørtoft; Vice-Pres. Dr. H. Mosby; Sec. H. Munkebye; publ. *Geofysiske Publikasjoner* (publ. by Det Norske Videnskaps-Akademi in Oslo).

Norges Geologiske Undersökelse (*Geological Survey of Norway*): Leiv Erikssons Vei 39, Trondheim; Man. Dir. Karl Ingvaldsen; library of 40,000 vols.; publ. *Norges Geologiske Undersokelses Shrifter.*

Norske Geografiske Selskab, Det (*Norwegian Geographical Society*): Geographical Inst. of the University, Blindern, Oslo; f. 1889; 1,000 mems.; library of 5,000 vols.; Chair. S. Tøyn; Sec. P. Mathiesen; publ. *Norsk Geografisk Tidsskrift* (quarterly).

Norsk Geologisk Forening (*Norwegian Geological Society*): Geologisk Museum, Sarsgt. 1, Oslo 5; f. 1905; 310 mems.; Chair. T. Gjelsvik; Sec. S. Bergstöl; Editor N.-H. Kolderup; publ. *Norsk Geologisk Tidsskrift* (annual).

Norsk Polarinstitutt (*Norwegian Polar Institute*): Observatoriegt. 1, Oslo; f. 1948 as a continuation and expansion of Norges Svalbard- og Ishavs-undersøkelser (*Norwegian Institute for Exploration of Svalbard and the Arctic Territories*; f. 1928); objects: preparation and publication of topographic maps and hydrographic charts of Norwegian territories in the polar regions. Scientific investigations in the fields of geology, geophysics and biology; establishment and maintenance of aids to navigation, including lighthouses and radio beacons on Svalbard; library of 15,000 vols. and 12,000 pamphlets and authors' MSS.; Dir. Tore Gjelsvik, ph.d., geologist; 20 permanent employees; publs. *Norsk Polarinstitutt, Skrifter, Meddelelser and Årbok, Norwegian-British-Swedish Antarctic Expedition 1949-52, Scientific Results.*

History

Norsk Historisk Forening (*Norwegian Historical Society*): Oslo University Press, Niels Juellsgt 16, Oslo; f. 1869; Pres. Prof. J. A. Seip; publ. *Historisk Tidsskrift* (quarterly).

International Cultural Institutes

British Council, The: Fridtjof Nansens Plass 5, Oslo; Rep. J. P. Lucas, m.c.

Indo-Iransk Institutt (*Pak-Indo-Iranian Institute of the University of Oslo*): Etnografisk Museum, Tullinlökka, Oslo; f. 1920; the study of Indian and Iranian languages, culture, history, etc.; library of 10,000 vols.; Pres. Prof. Georg Morgenstierne.

Instituttet for Sammenlignende Kulturforskning (*Institute for Comparative Research in Human Cultures*): Drammensvein 78, Oslo; f. 1922; concerned mainly with comparative study of languages, religions, folklore, law, ethnology, archæology, and sociology, sponsoring re-

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search programmes, arranging lectures and publishing; specialised library in Caucasian linguistics, approx. 500 vols. and reprints; Pres. H. VOGT; Vice-Chair. G. MORGENSTIERNE; Sec. S. OTTO; publs. *Lectures I-XXV, Writings I-LI, Reports I-V.*

Norsk Utenrikspolitisk Institutt (*Norwegian Institute of International Affairs*): Oslo; f. 1959; information, publication and research in international relations; Pres. FINN MOE; Dir. Dr. JOHN SANNESS; Sec. PER FRYDENBERG; publs. *International Politikk* (quarterly), *Tidens Ekko* (monthly) (both in co-operation with Chr. Michelsen's Institute), *Öst-Ökonomi* (Scandinavian journal of Eastern economies with emphasis on theoretical problems).

Norway-America Association: Kirkegt. 15, Oslo; f. 1919; approx. 500 mems.; a non-profit organisation to further cultural ties between the U.S. and Norway primarily through student exchanges and scholarships; Chair. of the Board JENS A. TELLEFSEN; Sec. Miss RAGNHILD GALTUNG.

U.S. Information Service: Drammensveien 18, Oslo.

LAW

Norsk Forening for Internasjonal Rett (*Norwegian Society for International Law*): Kongensgt. 6, Oslo; f. 1925; 93 mems.; Pres. OLE TORLEIF RÖED; Sec. E. RYGH.

LITERATURE

Norske Forfatterforening, Den (*The Norwegian Authors' Society*): Fr. Nansens plass 6, IV, Oslo; f. 1893; 227 mems.; Pres. HANS HEIBERG; Sec. INGER FJELDSTAD.

MATHEMATICS

Norsk Matematisk Forening (*Norwegian Mathematical Society*): Universitetet, Blindern, Oslo; f. 1918; 200 mems.; Pres. Prof. K. E. AUBERT; Sec. P. HOLM; Treas. E. HANSEN; publs. *Nordisk Matematisk Tidsskrift, Mathematica Scandinavica* (in collaboration with the mathematical societies in Denmark, Finland, Iceland and Sweden).

MEDICINE

Medicinske Selskap i Bergen, Det (*Medical Society*): Bergen; f. 1831; 180 mems.; Chair. Prof. Dr. med. J. ROKSTAD; Sec. Dr. K. HALVORSEN; Editor Prof. Dr. med. P. OEDING; publ. *Medicinsk Revue* (section of *Nordisk Medisin*; weekly).

Norske Laegeforening, Den (*Norwegian Medical Assen.*): Inkognito gt. 26, Oslo; f. 1886; 4,100 mems.; Pres. Dr. GERHARD LARSEN; Sec. Dr. ODD BJERCKE; Editors O. K. HARLEM, Dr. ODD BJERCKE; publ. *Tidsskrift for Den norske lægeforening* (twice monthly).

Norsk Farmaceutisk Selskap (*Norwegian Pharmaceutical Society*): f. 1924; to further the scientific and practical development of pharmacy; mems. 396; Chair. Dir. OLAV BJØRNSON; Sec. cand. pharm. HARALD KRISTIANSEN, Universitetets farmasöytiske institutt, Blindern, Oslo.

Norsk Medicinsk Selskab (*Medical Society*): Drammensvn. 44, Oslo; f. 1833, 500 mems.; Chair. Prof. Dr. C. SEMB; Man. Dr. O. TIDEMAND-JOHANNESSEN; Sec. Dr. PER AMUNDSEN; publ. *Norsk Magasin for Laegevidenskapen* (section of *Nordisk Medisin*) (weekly).

METEOROLOGY

Norske Meteorologiske Institutt, Det (*Norwegian Meteorological Institute*): Blindern, Oslo; f. 1866; 300 mems.; library of 25,000 vols.; Dir. Dr. R. FJØRTOFT; Vice-Dir. P. THRANE; Librarian F. JELSTRUP; publs. *Norsk Meteorologisk Årbok* (annually), *Nedbøriakttagelser i Norge* (annually), *Årsberetning for de Meteorologiske Institusjoner i Norge* (annual report), *Meteorologiske Annaler.*

MUSIC

Norsk Komponistforening (*Society of Norwegian Composers*): Klingenberggt 5, Oslo; f. 1917; 56 mems.; Pres. KLAUS EGGE; Sec. ERLING KJELLSBY; publ. catalogue of contemporary Norwegian orchestral and chamber music.

SCIENCE

Chr. Michelsens Institutt for Videnskap og Aandsfrihet (*Institute of Science and Intellectual Freedom*): Bergen; f. 1929; occupied with scientific research as well as cultural work, especially to promote understanding and toleration between nations, races, and classes; Pres. Prof. E. W. PAULSON; Dirs. of Research: Physical Science Section (Nygaardsgt. 114), HELMER DAHL, Dr. ODD DAHL; Humanities and Social Science Section (Kalvedalsv. 12), JUST FAALAND, STEIN ROKKAN; publ. *Beretninger* (Reports), non-periodical publications, and together with the Norwegian Institute of Foreign Affairs *Internasjonal Politikk* (4 issues yearly),

Instituttet for Sammenlignende Kulturforskning (*Inst. for Comparative Research in Human Culture*): Drammensveien 78, Oslo; f. 1922; occupied mainly with the comparative study of languages, religions, folklore, law, ethnology, archæology and sociology; Pres. H. VOGT; Vice-Chair. G. MORGENSTIERNE; Sec. S. OTTO; publs. Series A: *Lectures*, Series B: *Writings*, Series C: *Communications* (including *Reports*).

Institutt for Atomenergi: Kjeller; national atomic energy research establishment; the main research centre is located at Kjeller, where two research reactors (JEEP and NORA) are in operation; a third (JEEP II) will be completed in 1965; a joint international reactor physics research programme is being conducted with the NORA zero energy reactor in co-operation with the International Atomic Energy Agency; the Institute's boiling water reactor at Halden is the subject of a joint international research project under the auspices of O.E.C.D.

Kongelige Norske Videnskabers Selskab, Det (*Royal Norwegian Society of Sciences*): Trondheim; f. 1760; reorganised 1926; 99 Norwegian, 30 foreign mems.; Pres. Prof. Dr. HARALD WERGELAND; Sec.-Gen. Prof. Dr. OLE PEDER ARVESEN; publs. *Skrifter* (since 1761), *Forhandlinger* (since 1926) (both annual).

Polytekniske Forening, Den (*The Polytechnic Society*): Rosenkrantzgt. 7, Oslo; f. 1852; 2,400 mems.; Sec. JENS BÖE; publ. *Teknisk Ukeblad.*

Selskapet til Videnskapenes Fremme (*The Society for the Advancement of Science*): Universitetets botaniske museum, Bergen; f. 1927; 56 elected, 215 ordinary mems.; objects: to promote science by supporting research work, by publication of a scientific or popular character, by distributing prizes for scientific work, etc.; Pres. Dr. ANDERS KVALE; Gen. Sec. Prof. Dr. KNUT FAEGRI; publs. *Småskrifter* (pamphlets).

Videnskapelige Forskningsfond av 1919 (*Fund for Scientific Research of 1919*): Drammensveien 78, Oslo; f. 1919; Humanities Section: Chair. S. MOWINCKEL; Section for Mathematics and Natural Science: Chair. N. DANBOLT; publ. *Viking Antiquities in Great Britain and Ireland.*

STATISTICS

Statistisk Sentralbyrå (*Central Bureau of Statistics*): Dronningensgt. 16, Oslo; f. 1876; library of 93,868 vols.; Dir. PETTER JAKOB BJERVE; Libr. INGRID HEUM; publs. *Serien: Norges offisielle statistikk* (Series: The Official Statistics of Norway) (irregular), *Statistisk månedshefte* (Monthly Statistical Bulletin), *Månedsstatistikk over utenrikshandelen* (Monthly Foreign Trade Statistics), *Samfunnsøkonomiske studier* (Social Economic Studies), *Artikler fra Statistik Sentralbyra* (Articles from the Central Bureau of Statistics).

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LIBRARIES AND ARCHIVES

Arendal Kommunale Bibliotek (*Municipal Library*): f. 1832, opened to public 1907; since 1947 central library to the County of Aust Agder; 55,000 vols.; Head Libr. LULLE UGLAND.

Bergens offentlige Bibliotek (*Municipal and County Library*): f. 1874; 252,000 vols.; City Libr. JOHANNES BYGSTAD.

Deichmanske Bibliotek (*City Library of Oslo*): Henrik Ibsens gt. 1, Oslo; f. 1785; 620,000 vols.; Chief Libr. HENRIK HJARTØY; publ. *Deichmanbladet*.

Det Kongelige Norske Videnskabers Selskabs Bibliotek (*Library of the Royal Norwegian Society of Sciences and Letters*): Erling Skakkes Gate 47c, Trondheim; f. 1760; 310,000 vols.; open to the public; collection of books is of a general nature and since 1941 includes depository copies of all Norwegian literature; Head Libr. THOR M. ANDERSEN.

Drammens Folkebibliotek (*Public Library of Drammen*): Drammen; f. 1916; public library for Drammen and central library for the county of Buskerud; 90,000 vols.; Pres. K. WAHL; Chief Libr. ALF C. MELHUS.

Fredrikstad Bibliotek (*Municipal Library and Central Library of Ostfold Fylke*): Fredrikstad; f. 1926; 103,538 vols.; open daily; Chief Libr. ARNE KR. SOLLID.

Kristiansands Folkebibliotek (*Municipal Library*): Kristiansand S.; f 1909; since 1938 also central library for Vestagder; 81,443 vols.; Libr. REIDUNN JOHNSEN.

Nobel Institute Library (*see under* Norwegian Nobel Institute above).

Norges Landbrukshøgskoles Bibliotek (*Library of the Agricultural College of Norway*): Vollebekk; f. 1859; literature concerning all branches of agricultural science, chemistry, general biology, botany, etc.; 197,600 units; Head Libr. ARNE JOHNSON; publ. *Arsbereting fra Norges Landbrukshøgskole*.

Norges Tekniske Hogskole Hovedbiblioteket (*Library of the Technical University of Norway*): Hovedbiblioteket, Trondheim; f. 1910; aim: to serve and promote science and engineering education, scientific and industrial research through providing and preparing for use the literature necessary for these purposes; maintains a science information service and has a documentary film and xerox department; since 1957 is also the *Central Technical Library of Norway*; 260,000 vols.; Libr. KNUT THALBERG; publ. *Meldinger og Boklister, Litteraturlister I*. 1958 (Bibliographies); Telex 5186.

Riksarkivet (*National Archives of Norway*): Bankplass 3, Oslo; f. 1817; takes charge of the archives of the ministries and other branches of the central administration; Dir. REIDAR OMANG.

Rjukan Bibliotek (*Public Library of Rjukan*): Rjukan; f. 1914; 54,000 vols.; Chief Libr. MARGRETE MILDE.

Statsarkivet (*State Archives*): Strandgata 71, Hamar; f. 1917; public record office; archives; public reading-room open on weekdays; library of 8,500 vols.; Chief Archivist JAN H. OLSTAD; Deputy Archivist ANDERS FRØHOLM.

Stavanger Kommunebibliotek (*Stavanger Municipal Library*): Stavanger; f. 1885; municipal library for the town of Stavanger, central library for the county of Rogaland; 95,964 vols., including 10,073 pieces of music and 21,246 pictures; Libr. Miss HEDVIG DAAE.

Stortingsbiblioteket (*Library of the Storting*): Storting Building, Oslo; f. 1871; political literature; 92,000 vols.; open to the public on application; Chair. HARALD SELÅS (mem. of the Storting); Head Libr. OLAF CHR. TORP.

Styret for det Industrielle Rettsverns Bibliotek (*Library of the Norwegian Patent Office*): Middelthunsgate 15b, Oslo; f. 1888; 33,135 vols. scientific and technical books and periodicals of reference for patent research; 9,676,256 patents; Chief Libr. EVA SWENSEN; publs. *Norske Patentskrifter, Norsk Tidende for det Industrielle Rettsvern, Register over Norske Patentskrifter*.

Universitetsbiblioteket (*Oslo University Library*): Oslo; f. 1811; 1,400,000 vols., 36,000 newspapers; special divisions for manuscripts, maps, prints and drawings, music, theatre, incunabula, papyri and orientalia; the University Library receives by law copies of all Norwegian books, and edits the official Norwegian book catalogue; Dir. H. L. TVETERÅS; publs. *Norsk Bokfortegnelse* (The National Bibliography), *Bibliografi over Norges offentlige publikasjoner* (Bibliography of Norwegian Government publications).

Universitetsbiblioteket i Bergen (*The University Library of Bergen*): f. 1825 as Bergens Museums Bibliotek; 420,000 vols.; special divisions for folk music, newspapers, manuscripts and maps. The University Library receives deposit copies of all Norwegian books desired; Dir. HALLVARD S. BAKKEN; University Librs. GERHARD MUNTHE, LARS OTTO GRUNDT, SIGURD FASTING JACOBSEN, JOHANNE MARTENS; Folk Music Researcher ARNE BJØRNDAL; publs. *Universitetet i Bergen Årbok* (Yearbook: Natural Science, Humanities and Medical Science divisions); *Skrifter* (Monographs), *The Norwegian North Polar Expedition with the "Maud" 1918-1925*, Vols. 1-5, all available on exchange.

Utenriksdepartementets Bibliotek (*Library of the Ministry of Foreign Affairs*): Kronprinsesse Märthasplass 1, Oslo; f. 1901, reorganised 1919-22; includes an agricultural section; objects: foreign affairs, international law and international relations—political, social, economic, and commercial; library is a reference library for Govt. Depts.; is also open to the public; 136,000 vols., including periodicals and pamphlets, 4,037 maps; Head Libr. HEDVIG SCHAANNING; publs. *Tilvekst Utenriksdepartementets Bibliotek* (monthly); *Aksesjonskatalog over utenlandsk litteratur* (annually, in co-operation with Nobel Institute, and Central Bureau of Statistics).

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MUSEUMS AND ART GALLERIES

Botanisk Museum (*Botanical Museum of the University*): Trondheimsveien 23b, Oslo; f. 1863; library of 35,000 vols.; Dir. Prof. R. NORDHAGEN; Curators P. STÖRMER, R. BERG; publ. *Nytt Magasin for Botanikk* (annual).

De Sandvigske Samlinger (*Sandvig Collection*): Maihaugen, Lillehammer; f. 1887 as private collection; now owned by the Selskapet De Sandvigske Samlinger; 100 old houses of historical interest and 60 old workshops in a new exhibition hall; visitors average 80,000 yearly; Dir. SIGURD GREIG, DR.PHIL.; publs. *Guides, Maihaugen, De Sandvigske Samlingers Skrifter.*

Det Kongelige Norske Videnskabers Selskab, Museet (*The Royal Norwegian Society of Sciences and Letters, The Museum*): Erling Skakkesgate 47, Trondheim; f. 1760; library of 310,000 vols.; zoological, botanical, mineralogical and archaeological departments; Pres. REIDAR BREKKE; Dir. Dr. E. SIVERSTEN; Libr. THOR M. ANDERSEN; publs. *Årbok* (Annual Report).

Kunstindustrimuseet i Oslo (*Museum of Applied Art*): St. Olavsgate 1, Oslo; f. 1876; illustrates the applied arts mainly from 1100 until today; classified Norwegian, European and modern collections; comprises ceramics, glass, furniture, textiles (especially Norwegian tapestries and costumes), metal-work and book production; library of fine and applied arts containing 17,500 vols.; workshop for preservation and repair of old textiles; Dir. Dr. EIVIND S. ENGELSTAD; Asst. Dir. ALF BÖE; Librarian SVEN RYGGE; periodical publ. *Kunstindustrimuseets årbok* (Year Book).

Munch-museet: Tøyengata 53, Oslo; f. 1963; contains the works of Edvard Munch: 1,000 paintings, 4,500 drawings and water-colours, 15,000 graphic works, 6 sculptures, 6,000 books, letters and other documents, etc.; Dir. JOHAN H. LANGAARD; Curator REIDAR REVOLD.

Nasjonalgalleriet: Universitetsgaten 13, Oslo; f. 1837; the principal art gallery in Norway, containing collections of Norwegian paintings and sculpture, old European paintings, examples of modern French, Danish and Swedish art, a collection of prints and drawings, and a small collection of Greek and Roman sculpture; also a collection of casts; *ca.* 13,000 vols. in library; Dir. S. WILLOCH; Curators: LEIF ØSTBY, JAN ASKELAND, OSCAR THUE; Librarian VIVI GREFTEGREFF.

Nordenfjeldske Kunstindustrimuseum (*Arts Industry Museum for Northern Norway*): Trondheim; f. 1893; approx. 10,000 exhibits; depts. of furniture, textiles, glass, ceramics, metalwork from the Renaissance period to modern times; Dir. THV. KROHN-HANSEN; Curator ALF BÖE; publ. *Nordenfjeldske Kunstindustrimuseum Årbok* (annual).

Nordland Museum: Bodø; f. 1888; covers all aspects of life in the north of Norway; 4,000 items.

Norsk Folkemuseum (*Norwegian Folk Museum*): Bygdøy, nr. Oslo; f. 1894; the museum consists of open-air and indoor sections; the collections comprise 110,000 objects; of particular interest are the sections showing the culture of the country districts and old Norwegian weaving, a large church section, and Henrik Ibsen's study, which stands exactly as it was used by the writer; the open-air museum consists of about 140 old buildings, including the famous Gol stave church from the 12th century; in the section "Landsbygda' are installed farms which have been brought from different parts of Norway as representatives of various valleys and parishes. A special section, "Gamlebyen", consists of memorials from different Norwegian towns, which in the Folk Museum are laid out as an old town quarter; library of 25,000 vols.; visitors average 200,000 yearly; Dir. REIDAR KJELLBERG; Asst. Dirs. HILMAR STIGUM, ASTRID BUGGE, Dr. ASBJÖRN NESHEIM; publs. *By og Bygd* (year book), *Guides* (in English, German and Norwegian), *Norske Bygder*, I-VI, *Samiske Samlinger, Småskrifter fra Norsk Etnologisk Gransking, Arbeidsfolk forteller.*

Stavanger Museum: Stavanger; f. 1877; archæology, urban and rural culture, zoology; library of 22,500 vols.; Dir. HOLGER HOLGERSEN; Curators: ODMUND J. MÖLLEROP, ARNE SKJÖLSVOLD, JAN HENDRICH LEXOW, A. BERNHOFT-OSA; publ. *Stavanger Museums Årbok* (year book), *Sterna* (quarterly), *Frâhaug ok hedni* (quarterly).

Tromsö Museum: Tromsö; f. 1872; has six depts. which are concerned with scientific and anthropological investigations in northern Norway and the Arctic regions; library of 70,000 vols.; Dir. KÅRE LANDMARK; Curators: Dept. of Geology, KÅRE LANDMARK; Dept. of Botany, OLAF RÖNNING; Dept. of Zoology, BENGT CHRISTIANSEN; Dept. of Archæology, POVL SIMONSEN; Dept. of Folk Culture, OTTAR BROX; Dept. of Lapp Ethnography, ØRNULV VORREN; Collections of Folk Music, ARNT BAKKE; publs. *Acta Borealia, Tromös Museums Skrifter, Astarte, Årsberetninger* (annual report), *Ottar, Antikvariske registreringer i Nord-Norge.*

Universitetets Etnografiske Museum (*Ethnographical Museum of the University*): Frederiksgt. 2, Oslo; f. 1857; approx. 40,000 exhibits, including Roald Amundsen collections in the Arctic section, Carl Lumholtz's Borneo collections in the Indonesian section; library of approx. 16,000 vols.; visitors average 40,000 yearly; Dir. Prof. GUTORM GJESSING; Chief Curator Dr. JOHS. FALKENBERG; Curator ARNE MARTIN KLAUSEN; publs. *Skrifter. Bulletins.*

Universitetets Samling av Nordiske Oldsaker (*Museum of Northern Antiquities*): Fredriksgate 2, Oslo; f. 1828; rich collection of exhibits from prehistoric and Viking times and the Middle Ages; approx. 30,000 exhibits; visitors average 50,000 yearly; Dir. Prof. BJÖRN HOUGEN.

Vestlandske Kunstindustrimuseum (*Museum of Applied and Industrial Arts for Western Norway*): Bergen, Nordal Brunsgate 9; f. 1887; Dir. Dr. ROBERT KLOSTER; Chief Curator THALE AIISÖEN; Sec. TONI RAMHOLT; publ. *Vestlandske Kunstindustrimuseum årbok* (every three years).

Zoologisk Museum (*Zoological Museum*): Sars gt. 1, Oslo; f. *circa* 1820 (present building 1907-08); Norwegian vertebrates and invertebrates, Arctic, Antarctic and exotic, particularly Australian, collections; library of approx. 12,000 vols., 46,000 pamphlets; Dir. Dr. LEIF R. NATVIG; Vertebrate Section EDV. BARTH; Marine Invertebrate Section NILS KNABEN; Entomological Section L. R. NATVIG; yearly average of visitors, 70,000; publ. *Meddeleser fra Det Zoologiske Museum.*

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UNIVERSITIES

UNIVERSITETET I BERGEN
(University of Bergen)

BERGEN

Telephone: 12140

Founded 1948

Rector: Prof. Dr. LUDVIG HOLM-OLSEN.
Director: ARNE HALVORSEN.

Library: *see* Libraries.

Number of teachers: 192, including 46 professors.

Number of students (1962): 1,481.

Publications: *Universitetet i Bergen Årbok* (Year Book), *Naturen* (a popular scientific review; monthly), *Skrifter, Småslaifter, Sarsia.*

DEANS:

Faculty of Humanities: KNUT MYKLAND.
Faculty of Natural Sciences: Dr. KNUT FAGRI.
Faculty of Medicine: OLE-JACOB BROCH.

PROFESSORS:

Faculty of Humanities:
AARAAS, HANS TANDBERG (French Literature).
HAGEN, ANDERS (Archæology).
HENRICHSEN, A.-J. (French Philology).
HOLM-OLSEN, LUDVIG (Old Norse Philology).
HULTBERG, HELGE (German Literature).
KAARTVEDT, ALF (History).
MYKLAND, KNUT (History).
NORENG, HARALD (European Literature).
SUNDBY, BERTIL (English Philology).
THORSON, PER (Folklore).
TRANØY, KNUT (Philosophy).
ULVESTAD, BJARNE (German Philology).

Faculty of Natural Sciences:
BRATTSTRÖM, H. O. (Zoology, Marine Biology).
BRINKMANN, AUGUST (Zoology).
FÆGRI, KNUT (Systematic Botany).
FOSS, OLAV (Chemistry).
GODSKE, C. L. (Meteorology).
KOLDERUP, NIELS-HENR. (Geology).
KVALE, ANDERS (Seismology).
LARSEN, POUL (General Botany).
MOSBY, HÅKON (Oceanography).
SELMER, ERNST S. (Mathematics).
SKAVLEM, TORGRIM (Physics).
TJØTTA, SIGVE (Applied Mathematics).
TRUMPY, BJØRN (Physics).

Faculty of Medicine:
BØE, JOHANNES (Infectious Diseases).
BROCH, OLE JACOB (Clinical Medicine).
CLOSS, KARL (Pharmacology).
FRÖVIG, ARNE GALTUNG (Neurology).
GADE, HERMAN (Surgery).
HOBAEK, ANDREAS (Roentgenology).
LÖVSET, JÖRGEN (Gynæcology and Obstetrics).
OEDING, PER (Bacteriology).
ROKSTAD, INGVALD (Dermosyphilopathics).
RUD, FINN (Psychiatry).
STRAY, KRISTIAN (Surgery).
SUNDAL, ALFRED (Pediatrics).
VOGELSANG, TH. M. (Bacteriology).
WAALER, ERIK (Pathology).

Institute of Odontology:
HALS, EINAR (Operative Dentistry).
MORCH, TORMOD (Pedodontics).
KVAM, THORVALD (Peadontology).
SELMER-OLSEN, REIDAR (Orthodontics).

Biological Station: University of Bergen; open to research workers from Scandinavian and non-Scandinavian countries; new research vessel *Fridtjof Nansen* has been assigned to the Station.

UNIVERSITETET I OSLO
(University of Oslo)

OSLO

Telephone: 410290

Founded 1811

Rector: Prof. JOHAN T. RUDD.
Pro-Rector: Prof. Dr. JOHS, ANDENÆS.
Director: OLAV M. TROVIK.
Treasurer: ROLF BERGMANN.
Librarian: H. TVETERÅS.

Library: *see* Libraries.

Number of teachers: 801, including 178 professors.

Number of students: 5,212 men (including 77 foreigners), 2,161 women (including 68 foreigners), total 7,373.

DEANS:

Faculty of Theology: Prof. Dr. REIDAR HAUGE.
Faculty of Law: Prof. Dr. SJUR BRÆKHUS.
Faculty of Medicine: Prof. Dr. A. STRØM.
Faculty of History and Philosophy: Prof. Dr. HANS VOGT.
Faculty of Mathematics and Natural Sciences: Prof. Dr. ROALD TAMGEN.
Faculty of Dentistry: Prof. J. REICHBORN-KJENNERUD.
Faculty of Social Science: (Vacant).

PROFESSORS:

Faculty of Theology:
DAHL, NILS ALSTRUP (Theology).
HAUGE, REIDAR (Theology).
HYGEN, JOHAN B. (Theology).
JERVELL, JACOB (Theology).
KAPELRUD, ARVID S. (Theology).
MOLLAND, EINAR (Theology).

Faculty of Law:
ANDENÆS, JOHANNES (Legal Science).
ANDERSEN, KRISTEN (Legal (Science).
ARNHOLM, CARL JACOB (Legal Science).
AUBERT, VILHELM (Sociology of Law).
BRÆKHUS, SJUR (Legal Science).
BRATHOLM, ANDERS (Legal Science).
ECKHOFF, TORSTEIN (Legal Science).
ROBBERSTAD, KNUT (Legal Science).
SELMER, KNUT (Actuarial Science).
(Vacant—Legal Science).

Faculty of Medicine:
ALVIK, IVAR (Orthopædics).
ARNESEN, KRISTEN (Pathology).
BLEGEN, EINAR (Clinical Medicine).
BRODAL, ALF (Anatomy).
BRUUSGAARD, CHRISTIAN (Clinical Surgery).
DALE, TORLEIF (Radiology).
DANBOLT, NIELS (Dermatology).
EFSKIND, LEIF (Clinical Surgery).
ELDJARN, LORENTZ (Pathological Physiology).
FRETHEIM, BJARNE (Clinical Surgery).
FRIMANN-DAHL (Radiology).
HARBITZ, HANS FREDRIK (Clinical Surgery).
HAÜGE, TORMED (Neuro-surgery).
HENRIKSEN, SVERRE DICK (Bacteriology).
JANSEN, JAN (Anatomy).
JERVELL, ANTON (Clinical Medicine).
KAADA, BIRGER (Neuro Physiology).
KIIL, FREDRIK (Experimental Medicine).
KREYBERG, LEIV (General and Experimental Pathology).
KRISTIANSEN, KRISTIAN (Neuro-surgery).
LAAKE, HELGE (Medicine).
LAHELLE, OSCAR (Micro-biology).
LANGFELDT, GABRIEL (Psychiatry).
LEEGAARD, TRULS (Oto-Rhino-Laryngology).
MOLLAND, JACOB (Pharmacology).
NATVIG, HAAKON (Hygiene).

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NICOLAYSEN, RAGNAR (Nutrition Research).
OPHEIM, ODD FAUERSTED (Oto-Rhino-Laryngology).
OPSAHL, ROALD (Medicine).
OWREN, PAUL A. (Medicine).
PIHL, ALEXANDER A. (Cancer, Biochemistry).
POPPE, ERIK (Radiotheraphy).
REFSUM, SIGVALD (Neurology).
SALOMONSEN, LEIF (Pædiatrics).
SCHJØTT-RIVERS, ERNST (Obstetrics).
SEMB, CARL (Clinical Surgery).
STORMORKEN, HELGE (Medicine).
STORSTEIN, OLE (Clinical Medicine).
STRØM, AXEL (Social Medicine).
SVEINSSOM, SVEIN L. (Photo-Physiology).
THOMASSEN, THORE LIE (Ophthalmology).
TORGERSEN, JOHAN (Anatomy).
TORGERSEN, OLAV (Medicine).
WAALER, BJARNE ARENTZ (Physiology).
WAALER, GEORG (Forensic Medicine).
WALAAS, OTTO (Physiology).
AAS, KNUT (Clinical Medicine).
ØDEGÅRD, ØRNULV (Psychiatry).

Faculty of History and Philosophy:
AMUNDSEN, LEIV (Classical Philology).
BEITO, OLAV (Nordic Language).
BERGSLAND, KNUT (Finno-Ugrian Languages).
BEYER, EDVARD (Nordic Literature).
BORGSTRÖM, CARL HJALMAR (Comparative Philology)
CHRISTOPHERSEN, PAUL (English Philology).
DAL, INGERID (Germanic Philology).
DALE, JOHANNES (Norwegian Language).
FLYDAL, LEIF (Roman Philology).
FOSS, KARE (French Literature).
GURVIN, OLAV (Music).
HALVERSEN, EIVIND FJELD (Nordic Philology).
HOLMSEN, ANDREAS (History).
HOUGEN, BJØRN (Archæology).
ISACHSEN, FRIDTJOV (Geography).
JANSEN, HERMAN LUDIN (History of Religion).
KNUDSEN, TRYGVE (History of Norwegian Language).
KOLSRUD, KNUT (Ethnology).
KOPPANG, OLE (German Literature).
KRAG, ERIK (Russian Literature).
LIE, HALLVARD (Medieval Literature).
L'ORANGE, H. P. (Archæology).
MØRLAND, HENNING (Classical Philology).
NÆSS, ARNE (Philosophy).
NESHEIM, ASBJORN (Lappish).
OFTEDAL, MAGNE (Celtic).
PALME, PER OLOF (History of Fine Arts).
SALTVEIT, LAURITS (Germanic Philology).
SANDVEN, JOHANNES (Pedagogy).
SCHREINER, JOHAN (History).
SEIP, JENS ARUP (History of Political Ideas).
SEMMINGSEN, INGRID E. (History).
SIMONSSON, NILS (Indian Languages and Literature).
SKARD, EILIV (History of Culture).
SKARD, SIGMUND (American Literature).
SKODVIN, MAGNE (History).
SMIDT, KRISTIAN (English Literature).
SOLHEIM, SVALE (Norwegian Folklore).
SOMMERFELT, ALF (General Philology).
STANG, CHRISTIAN S. (Slavonic Languages).
STEEN, SVERRE (History).
STIGUM, HILMAN (Ethnology).
SVENDSEN, PAULUS (History of Literature).
VOGT, HANS (General Philology).
(Vacant—Semitic Languages).

Faculty of Mathematics and Natural Sciences:
AUBERT, KARL EGIL (Mathematics).
BARTH, TOM (Petrography).
BASTIANSEN, OTTO (Chemistry).
BRAARUD, TRYGVE (Marine Biology).
BROCH, EINAR K. (Theoretical Physics).
ELIASSEN, ARNT (Geophysics).
FINHOLT, PER (Pharmacy).
FJELDSTAD, JONAS E. (Oceanography).
FØYN, BJØRN (Zoology).
GJESSING, JUST (Geography).
GRONOWITZ, SALO S. T. (Chemistry).
HARALDSEN, HAAKON (Chemistry).
HARANG, LEIV (Ionospheric Physics).
HASSEL, ODD (Physical Chemistry).
HEINTZ, ANATOL (Palæontology).
HOLTSMARK, JOHAN (Physics).
HØEG, OVE ARBO (Botany).
HØILAND, EINAR (Aerodynamics and Hydrodynamics).
HYLLERAAS, EGIL A. (Physics).
JOHANSSON, ARNE SEMB (Zoology).
JOHANSSON, INGEBRIGT (Mathematics).
LALAND, SÖREN (Bio-Chemistry).
LJUNGGREN, WILHELM (Mathematics).
NORDAL, ARNOLD (Pharmacy).
NORDHAGEN, ROLF (Botany).
OFTEDAL, IVAR (Mineralogy, Geology).
OMHOLT, ANDERS K. (Experimental Physics).
ORE, AADNE (Physics).
PALM, ENOK (Applied Mathematics).
PAPPAS, A. (Radio-Isotope Chemistry).
REIERSØL, OLAV (Mathematics).
ROSENQVIST, THORALF G. K. (Sedimentology).
ROSSELAND, SVEIN (Astronomy).
RUUD, JOHAN T. (Marine Biology).
SAMDAHL, BJARNE (Pharmaceutical Chemistry).
SELBERG, HENRIK LUDVIC (Mathematics).
SOLBERG, HALVOR (Meteorology).
SØRENSEN, S. O. (Physics).
STØRMER, LEIF (Historical Geology).
STRAND, TRYGVE (Geology).
STRØM, KÅRE MÜNSTER (Limnology).
SVERDRUP, ERLING (Actuarial Mathematics and Statistics).
TANGEN, ROALD (Physics).
ÅLVIK, GUNNAR (Botany).
(Vacant—Zoology, Chemistry (Organic and Physical), Zoo-Physiology, General Genetics).

Faculty of Dentistry:
EEG-LARSEN, NICOLAY (Physiology).
JONSEN, JON (Microbiology).
REICHBORN-KJEMMERUD, INGJALD (Operative Dentistry).
SELMER-OLSEN, REIDAR (Orthodontics).
TOVERUD, GUTTORM (Children's Dentistry).
WÆRHAUG, JENS (Dentistry).
ØSTBY, B. N. (Dentistry).
ÅRSTAD, THOR (Dentistry).
(Vacant—Odontology, Anatomy).

The Faculty of Social Sciences:
EINARSEN, JOHAN (Economics and Statistics).
FRISCH, RAGNAR (Economics and Statistics).
GJESSING, GUTORM (Ethnography).
HOLM, SVERRE (Sociology).
HAAVELMO, TRYGVE (Economics and Statistics).
MUNTHE, PREBEN (Distribution Economy).
PETERSEN, ERLING (Economics and Statistics).
ROMMETVEIT, RAGNAR (Psychology).
SANDVEN, JOHANNES (Pedagogy).
SCHJELDERUP, HARALD K. (Psychology).
VOGT, JOHAN (Economics).

NORGES TEKNISKE HØGSKOLE
(Technical University of Norway)

TRONDHEIM
Telephone: 30100

Founded 1900.

Rector: Prof. S. P. ANDERSEN.
Secretary: KAARE AADAHL.
Chief Librarian: KNUT THALBERG, M.SC.

Number of teachers: 249 full-time.
Number of students: 1,947.

DEANS:

Department of Architecture: HERMAN KRAG.
Department of Mining and Metallurgy: ARNE HOFSETH.
Department of Civil Engineering: ARNE SELBERG.
Department of Electrical Engineering: INGE JOHANSEN.
Department of Chemical Engineering: HANS W. GIERTZ.
Department of Mechanical Engineering: SIGURD PER ANDERSEN.
Department of Engineering Physics: KNUT HOLT.

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PROFESSORS:

AANDERUD, A. (Electrical Engineering).
ALMAR-NAESS, A. (Mechanical Engineering).
ALMING, K. (Mechanical Engineering).
ANDERSEN, AKSEL (Civil Engineering).
ANDERSEN, S. P. (Mechanical Engineering).
ARVESEN, O. P. (Geometry).
BASTIANSEN, O. (Theoretical Chemistry).
BØE, G. (Economics and Law).
BRANDTZAEG, A. (Civil Engineering).
BRUN, J. (Industrial Electrochemistry).
BUGGE, J. A. W. (Geology).
FLOOD, H. (Chemical Engineering).
GIERTZ, H. W. (Wood and Cellulose Chemistry).
GJONE, E. (Architecture).
GRANUM, H. (Architecture I: Building Construction).
GREVSTAD, K. (Architecture).
GRJO THEIM, KAI (Inorganic Chemistry).
GRØNLIE, L. (Electrical Engineering).
GRØNNINGSÆTER, J. (Heating, Ventilation and Sanitary Engineering).
HAGEMANN, ARE (Electrical Engineering).
HOFSETH, A. (Mining).
HOLE, N. (Physics).
HOLM, ARNE (Fine Arts).
HOLT, K. (Industrial Management).
HVEDING, V. (Civil Engineering).
IVERSEN, G. (Mechanical Engineering).
JANBU, N. (Civil Engineering).
JOHANSEN, INGE (Electrical Engineering).
JOHNSON, D. (Mechanical Engineering).
KINDEM, E. (Mechanical Engineering).
KORSMO, A. (Architecture II: Form, Function and Technique Design Courses).
KRAG, H. (Architecture).
LAERUM, O. D. (Civil Engineering).
LARSEN, H. (Technical Biochemistry).
LEPSØE, R. (Metallurgy).
LORENTZEN, G. (Mechanical Engineering).
LUNDE, JOHANNES K. (Naval Architecture).
LYDERSEN, A. (Chemical Engineering).
LYSE, I. (Civil Engineering).
MARKESTAD, A. (Laboratory for the Testing of Materials).
MOHR, BJ. L. (Town and Country Planning).
MORTENSON, M. (Ore Dressing).
NOTEVARP, O. (Industrial Chemistry).
OFTEDAHL, CHR. (Geology).
ORDING, F. B. (Civil Engineering).
ROSENQVIST, T. (Metallurgy).
SELBERG, A. (Civil Engineering).
SELBERG, S. (Mathematics).
SÖRENSEN, N. A. (Organic Chemistry).
STUBBAN, J. O. (Mathematics).
TAYLOR, J. L. (Aeronautical Engineering).
TELFER, E. V. (Naval Architecture).
TERJESEN, S. G. (Chemical Engineering).
WERGELAND, H. (Physics).
WESTGAARD, E. (Electrical Engineering).
WESTIN, S. (Physics).
WINTERBOTTOM, A. B. (Physical Metallurgy).

COLLEGES OF UNIVERSITY STANDING

Norges Handelshøyskole (*The Norwegian School of Economics and Business Administration*): Hallweien 30, Bergen; f. 1936.

Rector: ROLF WAALER.
Secretary: ROLF LARSEN.
Librarian: ANNA AARS DAHL.

The library contains about 30,000 vols.

Number of teachers: 50, including 11 professors.
Number of students: 293 men, 7 women, total 300.
Publication: *Skrifter fra Norges Handelshøyskole.*

PROFESSORS:

BORCH, KAAL HENDRIK.
BRATTEGARD, OLAV (German).
COWARD, DAG (Business Economics and Administration).
GERHARDSEN, GERHARD M. (Fishery Economics).
HAMBRO, EDVARD (Law).
HOLBAEK-HANSSEN, LEIF (Marketing).
JENSEN, OLAV HARALD (Business Economics and Administration).
MYRVOLL, OLE (Economics).
SØMME, AXEL (Economic Geography).
STOLTZ, GERHARD (Economics).
WAALER, ROLF (Industrial Psychology and Personnel Relations).

Det Teologiske Menighetstakultet (*Free Faculty of Theology, Church of Norway*): St. Olavs gt. 29, Oslo; f. 1907.

Principal: CARL FR. WISLØFF.
Secretary: ANDREAS SKOLLEVOLL.
Librarian: ASBJØRN NILSEN.

Number of teachers: 15, including 8 professors.
Number of students: 285 men, 20 women, total 305.
Publications: *Tidsskrift for Teologi og Kirke, Lys og Liv, Mellom Brodre.*

PROFESSORS:

AALEN, LEIV (Dogmatic and Moral Theology).
AALEN, SVERRE (New Testament Exegesis).
ASHEIM, IVAR (Philosophy of Christian Education).
MYKLEBUST, O. G. (Missions).
NOME, JOHN (Philosophy of Religion and Moral Theology).
SEIERSTAD, IVAR (Old Testament Exegesis).
WEIDER, B. O. (Practical Theology).
WISLØFF, CARL FR. (Church History).

Norges Veterinarhøgskole (*Veterinary College of Norway*): Oslo; f. 1935.

Rector: H. F. WIRSTAD.
Secretary: FRITHJOF THYNESS.
Librarian: ANNE SAKSHAUG.

The library contains 19,000 volumes.
Number of teachers: 50, including 12 professors.
Number of students: 166 men, 9 women, total 175.

PROFESSORS:

DYBING, OTTAR (Pharmacology and Toxicology).
EDLAND, HENRIK (Anatomy).
ENDER, FREDRIK (Biochemistry).
FLATLA, JOHANNES L. (Veterinary Medicine).
GARM, OTTO (Sexual Physiology and Pathology).
HAUGE, STEINAR (Food Hygiene).
SANDVIK, OLAV (Microbiology and Immunology).
SKJERVEN, ODD (Obstetrics).
SLAGSVOLD, PER (Animal Husbandry and Genetics).
SVENKERUD, ROLF (Pathological Anatomy).
WIRSTAD, H. F. (Veterinary Surgery).

Norges Laererhøgskole (*Advanced Teachers' College of General and Educational Studies*): Trondheim; f. 1922; confers the degrees of B.A. and B.SC., and forms the nucleus of a coming university in Trondheim.

Rector: Prof. EDVARD BULL.
Pro-Rector: Prof. PER TYLDEN.
Secretary: TRYGVE POSNES.
Treasurer: OLE M. FURULI.
Librarian: WILHELM K. STOREN.

Library: 30,000 vols.
Number of teachers: 44, including 10 full professors.
Number of students: 700.

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DEANS:
Faculty of Philology: Prof. EVA SILVERTSEN.
Faculty of Social Sciences: Prof. SIGURD NORSTEBO.
Faculty of Mathematics and Natural Sciences: Prof. ERLING SILVERTSEN.

PROFESSORS:

Faculty of Philology:
MIDBOE, HANS (Nording Literature).
NAES, OLAV (General Linguistics).
SILVERTSEN, EVA (English Language).
TYLDEN, PER (Nordic Language).

Faculty of Social Sciences:
BENESTAD, FINN (Music).
BULL, EDVARD (History).
NORSTEBO, SIGURD (Education).
(Vacant—Religion).

Faculty of Mathematics and Natural Sciences:
GJAEREVOLL, OLAV (Botany).
SIVERTSEN, ERLING (Zoology).

Norges Landbrukshøgskole (*Agricultural College of Norway*); Vollebekk, Aas; f. 1859.

Rector: Prof. Dr. G. KVIFTE.
Vice-Rector: Prof. H. K. SEIP.
Director: J. TEIGLAND.
Secretary: A. SKIPENES.

Number of teachers: 88, including 42 professors.
Number of students: 315 including 10 women.
Publications: *Meldinger fra Norges Landbruks-høgskole* (scientific reports of the Agricultural College of Norway).

PROFESSORS:
ARESVIK, O. (Agricultural Economics).
ASPESÆTER, O. (Landscape Gardening).
BERGE, S. (Animal Breeding and Genetics).
BREIREM, K. (Animal Nutrition).
BØRSET, O. (Silviculture).
GLEINSVIK, P. (Surveying, Map Drawing, Surveying Field Work).
HAUGEN, Ø. (Agricultural Engineering).
HRIDSTEN, H. (Poultry and Furred Animals).
HYGEN, G. (Botany).
JÖRGENSEN, F. (Forest Economics).
KVIFTE, G. (Physics and Meteorology).
LÅG, J. (Soil Science).
LID, O. (Law).
LINDEBERG, G. G. (Microbiology).
LJONES, B. (Pomology).
LUNDEN, A. P. (Farm Crops).
MOEN, KNUT J. (Concentration and Subdivision of Landed Property).
MORK, R. (Dairy Economics).
NISSEN, Ø. (Farm Crops).
OTTESTAD, P. (Mathematical Statistics).
PERSSON, A. R. (Vegetable Culture).
SEIP, H. K. (Forest Survey and Mensuration).
SOLBERG, P. (Dairy Chemistry, Bacteriology, etc.).
SORTEBERG, A. (Soil Cultivation and Fertilisation).
STEMSRUD, K. D. (Forest Technology).
WEXELSEN, H. (Genetics).
WICKSTÖM, A. (Chemistry).
YSTGAARD, O. M. (Dairy Technology).
(Vacant—Geology, Farm Buildings, Floriculture).

Oslo Handelsgymnasium (*Oslo Commercial College*): Parkvn 65, Oslo; f. 1875; number of staff 60; number of students 700; Principal OLAF KRAN.

SCHOOLS OF ART AND MUSIC

Musik-Konservatoriet (*Conservatoire of Music*): Oslo; Nordal Brunsgt. 8; f. 1883; 60 teachers, 1,300 students, library of 10,000 vols.; Dir. T. LINDEMAN.

PROFESSORS:
BADEN, CONRAD (Counterpoint, Composition).
BRU, BORGHILD (Piano).
BRUSTAD, BJARNE (Violin, Viola—composition, instrumentation).
BUGGE-HANSSEN, UNNI (Singing).
DIRDAL, NICOLAI (Piano).
KARLSEN, ROLF (Organ, Cembalo).
KRØVEL, SVERRE (Violoncello).
LINDEMAN, TRYGVE ('Cello—conducting, chamber music).
NORDSJÖ, MARTA (Declamation).
RÖBERG, ERLING (Violin).
SALVESEN, INGRID (Piano).
SANDVOLD, ARILD (Organ—score-playing).
SZTERENYI, JOSEPH (Singing—opera class).
VATN, MORTEN (Singing Oratorium).
ØIEN, ANFINN (Organ—harmony, counterpoint).

Statens Kunstakademi (*State Art Academy*): Wergelandsveien 17-19, Oslo; f. 1909; Dir. Prof. ALEXANDER SCHULTZ; Sec. KARL SVINTERÜD.

Statens Håndverks- og Kunstindustriskole (*The State Handicrafts and Art School*): Ullevålsvn. 5, Oslo; f. 1818; Principal ARNE VESTERLID; Treas. ANNE M. WAALER; Sec. ARMAND HALVORSEN; library contains 20,000 vols.; Librarian SVEN RYGGE; Teaching Staff 59; 377 students.

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PAKISTAN

Population 93,690,000

LEARNED SOCIETIES

Pakistan Association for the Advancement of Science: University Institute of Chemistry, Panjab University, The Mall, Lahore; f. 1947; for the promotion of science in all its branches, including its application to practical problems and research; organises national and international conferences; 700 mems.; brs. at Dacca and Lahore; Pres. CH. M. AFZAL; Gen. Sec. Dr. A. G. ASGHAR, M.SC., PH.D.; publs. *Pakistan Journal of Science*, *Pakistan Journal of Scientific Research*, Monographs, Bibliographies, Proceedings.

All-Pakistan Educational Conference: Saeed Manzil, Nazimabad, Karachi; f. 1951; promotes education at all levels; establishes schools, colleges and libraries; publishes books on education and culture; library; Pres. Dr. G. M. D. SUFI; Gen. Sec. HASSANALLY A. RAHMAN; publ. *Al-Ilm-Urdu* (quarterly).

Agricultural Economics Society of Pakistan: 154 Government Quarters, Lawrence Road, Karachi; f. 1958; 200 mems.; Sec. Z. H. CHAUDRI; publ. *Proceedings*.

All-Pakistan Homoeopathic Association: Pakistan Chowk, Karachi; f. 1949; 5,780 mems.; Sec. Dr. S. AKHTAR, publs. *Pakistan Homoeopathic Journal* (monthly), *Homoeopathic Light*.

Anjuman Taraqqi-e-Urdu Pakistan: Urdu Road, Karachi 1; f. 1903; Pres. AKHTAR HUSAIN, C.S.P.; Sec. Lt.-Col. ATAURRAHIM MUSHFIQ KHWAJA, M.A.; publs. *Urdu*, *Quami Zaban* (fortnightly).

British Council, The:

6-10 Sarnagati Buildings, Rambaugh Road, Karachi 1; Rep. J. B. S. JARDINE, C.B.E.

Regional Reps.: Karachi, E. G. HALESTRAP; Dacca, G. A. BRIDGES; Lahore, W. J. CRAIG.

Education Officers at Peshawar and Rawalpindi.

German Cultural Institute: P.O.B. 1118, Sadar S.O., Dacca; Dir. Dr. HANS R. STIEBER.

Institute of Engineers, Pakistan: P.O. Ramna, Dacca; f. 1948; to promote the science, practice and business of engineering in all its branches; 4,000 mems.; Pres. KHAN MOHD. AZAM; Hon. Sec. M. R. HUQ; publ. *The Annual Journal* and *The Pakistan Engineer* (quarterly).

Iqbal Academy: 84/2 Pakistan Secretariat, Kingsway, Karachi; f. 1951; institutes scholarships and lectureships, publishes books and pamphlets, and awards literary prizes; maintains an Iqbal museum, special Iqbal research library; Pres. The Minister of Education; Dir. M. RAFI UD DIN.

Jamiyatul Falah: AM. 20, Frere Road, Karachi; to encourage the study of the Holy Quran to set up and maintain Islamic Missions; Pres. MGULVI TAMIZUDDIN KHAN; Sec. MANZOOR AHMAD; Treas. IBRAHIM A. BASANI; publ. *Voice of English Monthly*.

Karachi Theosophical Society: 1 Bunder Road, Karachi 1; activities include study of U.N. and its work, and discussions on problems of education and social welfare in Pakistan; library and reading room; Pres. Mrs. GOOL MINWALLA; Sec. Mr. B. S. RUSTOMJI.

Pakistan Bibliographical Working Group: Karachi; 20 mems.; to promote bibliographical documentation and information services; Pres. A. R. GHANI, M.SC., D.L.SC.; Sec. S. V. HUSSAIN, B.A., D.L.SC.; publs. Bibliographies.

Pakistan Economic Association: c/o Economics Dept., Dacca University, Dacca; f. 1958; to promote economic research with special reference to Pakistan; Pres. Prof. A. F. A. HUSAIN; Sec. Dr. S. A. ABBAS; publ. *Pakistan Economic Journal* (quarterly).

Pakistan Historical Society: 30 New Karachi Co-operative Housing Society, Karachi 5; f. 1950; historical studies and research particularly history of Islam and the Indo-Pakistan Sub-Continent; Pres. FAZLUR RAHMAN; Gen. Sec. Dr. S. MOINUL HAQ; publ. *Journal* (quarterly), Monographs, Research Studies.

Pakistan Institute of International Affairs: Strachen Road, Karachi; f. 1947; to study international affairs and to promote the scientific study of international policies, economics and jurisprudence; library 11,000 vols; 400 mems.; Pres. The Minister of Foreign Affairs and Commonwealth Relations; Sec. KH. SARWAR HASAN; publs. *Pakistan Horizon* (quarterly); books and monographs.

Pakistan Library Association: P.O. Box 392, Karachi; to advance the cause of library movement throughout Pakistan; 102 mems.; Pres. MAHMUD HUSAIN; publs. *Journal* (quarterly).

Pakistan Medical Association: P.M.A. House, Garden Road, Karachi 3.

Pakistan Philosophical Congress: Marsinghdrass Garden, 2 Club Road, Lahore; f. 1957; for the promotion of philosophical studies; Pres. Prof. M. M. SHARIF; Sec. Prof. M. ASLAM; publs. *Proceedings*, *Pakistan Philosophical Journal* (quarterly).

Panjab University Historical Society: University Hall, Lahore, Panjab; f. 1911.

Society of Arts, Literature and Welfare (formerly the Society of Arts and Literature): Society Park, Chittagong; f. 1948 for the advancement of art, literature, education, culture and welfare through literary and musical conferences, debates, etc.; over 500 mems. and 1,000 associates; management vested in a General Council, which elects a working committee; Gen. Sec. MUSHARREF HUSSAIN.

U.S. Information Center: 14 Topkhana Road, Dacca; also at Karachi and Lahore.

Urdu Development Board: 672-Urdu Manzil, Jamshed Road, Karachi 5; f. 1959 by Government of Pakistan; projects include an Urdu dictionary; classics and rare MSS.; Chair. MUMTAZ HASAN; Hon. Sec. S. H. HAQQEE.

West Pakistan Bureau of Education: Lahore; f. 1958; clearing house for information on education of all aspects and levels, at home and abroad; Documentation

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Section, Statistical Section and Publication Section; Dir. Dr. ABDUR RAUF; publs. statistical bulletins, bibliographies and directories.

RESEARCH INSTITUTES

Astronomical Observatory of the University of the Panjab: Panjab University Observatory, Cust Road, Lahore; f. 1920; Curator M. ZIA-UD-DIN, M.A., PH.D.

Basic Medical Science Institute: Jinnah Hospital Compound, Karachi; f. 1957; to provide specialised education in basic medical subjects; library of 3,000 vols.; 150 current periodicals; Dir. Prof. PAUL A. NICOLL.

Cancer Research Institute: Jinnah Central Hospital, Karachi; f. 1954.

Central Institute of Islamic Research: Karachi; f. 1960; to conduct and co-ordinate research on Islamic studies; Dir. FAZLUR RAHMAN.

Cholera Research Laboratory: Pakistan-SEATO Cholera Research Laboratory, Institute of Public Health Building, Dacca; f. 1960; financed jointly by the Governments of Pakistan, U.K., U.S.A. and SEATO; Dir. A. S. BENENSON.

Department of Plant Protection: Block 52, Pakistan Secretariat, Karachi; f. 1947; library of 3,000 vols., 50 current periodicals; to control insect pests and locusts and to undertake research work in mycology, plant pathology and physiology; Dir. Dr. TASKHIR AHMED.

Fazi-i-Omar Research Institute: Rabwah, District Jhang; f. 1946; objects: to promote the study of science and the development of industries in the country; library of 5,000 vols.; Dir. MOHAMMAD ABDULLAH.

Geological Survey of Pakistan: Quetta; f. 1947; library of 19,234 vols., 62 current periodicals; objects: geological survey and mapping.

Geophysical Centre: Quetta; object: geophysical research.

Historical Records and Archives Commission for Pakistan: Block 76, Pakistan Secretariat, Karachi; f. 1958; objects: to advise Government on archives, records and historical documents; Sec. M. N. SAFA.

Institute of Cotton Research and Technology: New Queens Road, Karachi; f. 1951; to carry out research work on cotton production, fibres, textiles and marketing; library of 3,000 vols., 50 periodicals; Dir. of Research M. A. A. ANSARI; Sec. Dr. M. ASLAM.

Institute of Development Economics: Old Sind Assembly Buildings, Karachi; f. 1956; library of 9,500 vols., 140 current periodicals; to train post-graduate scholars on methods of economic research, planning and administration; Chair. SAID HASAN; Sec. Admin. M. A. KHALIQ.

International Centre for Research and Training in Animal Reproduction and Artificial Insemination: Malir, Karachi 30; f. 1960; to produce high-quality Red Sindhi cattle and young bulls.

Irrigation Research Institute: The Mall, Lahore; f. 1925; to deal with irrigation problems confronting the Province of West Pakistan; library of 10,000 vols.; Dir. MIAN MOZAFFAR AHMED; publ. Reports, Records, Memoirs.

Malaria Institute of Pakistan: Mahakhali, Tejgaon, Dacca 5; East Pakistan; f. 1947; library of 2,700 vols.; training in malariology for medical graduates and malaria eradication personnel (professional and non-professional); entomological, protozoological and malariometric surveys, biological testing of insecticides; therapeutic and suppressive trials on anti-malaria drugs; Dir. (vacant); Asst. Dir. Md. EMDADUL HUQUE, M.B., B.S., D.P.H.

Pakistan Institute of Nuclear Sciences and Technology: Near Rawalpindi; to be incorporated in the new capital of Islamabad; f. 1960; when complete the Institute will have a research reactor and supporting laboratories with facilities for training and research; two nuclear training centres are also to be set up in Lahore and Dacca.

Pakistan Economic Research Institute: 9 Jan Mohammad Road, Lahore; f. 1955; to undertake socio-economic investigations and co-ordinate research in economic problems of Pakistan, to collect, compile amd interpret statistical data, to publish the results and findings of investigations; Dir. AZIZ A. ANWAR; Sec. AMIN M. AKHTAR; publs. Research Papers.

Pakistan Meteorological Department: Central Directorate, Frere Road, Karachi; f. 1947; Dir. SIBTE NABI NAQVI, M.SC., F.R.MET.S.; Deputy Dirs. M. SAMIULLAH, M.SC., F.R.M.E.T.S., M. K. KHAN, M.SC.; publs. Technical periodicals, etc.

Regional Directorates:

Karachi: Airport; f. 1945; Dir. M. A. QUADIR, M.SC., F.R.M.E.T.S.

Lahore: Jail Road; f. 1945; Dir. (vacant).

Chittagong: Diwan Bazar; f. 1947; Dir. Dr. M. SHABBAR, M.SC., PH.D.

Quetta: Geophysical Institute, Murree Brewery Site, Deputy Dir. (Vacant).

Pakistan Animal Husbandry Research Institute: G.P.O., Peshawar Cantt., W. Pakistan; f. 1949; Officer-in-Charge Dr. SYED KAMAL, L.V.P., M.SC., PH.D.

Pakistan Animal Husbandry Research Institute: Comilla, East Pakistan; f. 1947; Officer-in-Charge M. ISRAIL KHAN, G.V.SC., M.S.

Pakistan Atomic Energy Commission: P.O. Box No. 3112, Karachi; f. 1956; the Commission is directly responsible for setting-up training and research centres in different parts of the country for the application of radio-isotopes and radiation sources in the field of agriculture, medicine and industry for peaceful purposes; Chair. Dr. I. H. USMANI.

Establishments under its control:

Pakistan Institute of Nuclear Science and Technology (PINSTECH): Islamabad; to serve as a training institute and to house a 5-MW research reactor of swimming pool type

Atomic Energy Centre: Lahore; research and training centre.

Atomic Energy Centre: Dacca; when complete to include a 3-MEV. Van-de-Graaf accelerator.

Atomic Energy Agricultural Research Centre: Dacca; to carry out agricultural research with isotopes.

Atomic Energy Agricultural Research Centre: Tando-jam; under construction.

Pakistan Central Jute Research Institute: Tejgaon, Dacca; f. 1951 under Pakistan Central Jute Committee, Government of Pakistan, for agricultural, technological and economic research on jute; Dir. of Agricultural Wing Dr. S. D. CHAUDHURI, PH.D., D.I.C.; research published in Annual Report of Pakistan Central Jute Committee.

Pakistan Council of Scientific and Industrial Research: Block No. 95, Pakistan Secretariat, Frere Road, Karachi; f. 1953; promotes the progress of science and its applications to the development of the national industries and the utilisation of the natural resources of the country; works through four regional laboratories; Dir. Dr. SALIMUZZAMAN SIDDIQUI, D.PHIL,NAT.,

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F.R.S.; Sec. A. H. CHOTANI, M.SC.; publs. *Pakistan Journal of Scientific and Industrial Research* (quarterly), *Science and Industry* (quarterly), *Science Chronicle* (monthly), *Annual Reports*.

Central Laboratories: Karachi; physical, chemical, biochemical, pharmaceuticals and pest infestation, building materials, fuel, and engineering research divisions; Dir. Dr. SALIMUZZAMAN SIDDIQUI, D.PHIL.NAT., M.D., F.R.S.

East Regional Laboratories: Dacca; natural products, fuel, food, fruit, leather, glass and ceramics research divisions; Dir. Dr. M. QUDRAT-I-KHUDA, M.SC., D.I.C., D.SC.

North Regional Laboratories: Peshawar; indigenous drugs, fruit and vegetable technology, mineralogical and wool research divisions; Dir. Dr. S. A. WARSI, M.SC., PH.D.

West Regional Laboratories: Lahore; metallurgical, industrial fermentation, oils and fats, glass, ceramics and food technology research divisions; Dir. Dr. KARIMULLAH, D.PHIL.NAT., PH.D.

Pakistan Forest Institute: Peshawar, W. Pakistan; f. 1947; library of 11,000 vols.; Forestry Museum; two training courses leading to Diploma and B.Sc. (Hons.) Forestry; M. SAID, M.SC.; publ. *Pakistan Journal of Forestry*.

Pakistan Standards Institution: f. 1952; member of the International Organisation for Standardisation (ISO) and International Electrotechnical Commission (IEC); objects: to recommend national standards for the measurement of length, weight, volume and energy, to prepare and promote general adoption of standards on national and international basis relating to materials and commodities, and to promote standardisation, quality control and simplification in industry and commerce, etc.; Dir. Dr. M. R. CHOWDHURY.

Panjab Board of Economic Inquiry: 3 Faridkot Road, Lahore; f. 1925; for economic research and study of problems relating particularly to West Pakistan; Sec. M. HASAN; publs. *Economic Survey* (quarterly), Reports.

Panjab University Historical Research Institute: University Hall, Lahore, Panjab; f. 1960; Dir. Prof. S. A. RASHID.

Silvicultural Research Division, North Zone: West Pakistan Forest Department 92-F Model Town, Lahore; Dir. MAHMOOD IQBAL SHEIKH, W.P.F.S.I.

Social Science Research Centre: University of the Panjab, Lahore; f. 1956; engages in academic and applied research, with emphasis on demographic work; Dir. KARL H. PFEFFER, PH.D.

Varendra Research Society and Museum: Rajshahi East, Pakistan; f. 1910; objects: investigation and encouragement of history, archæology, anthropology, literature, and art; collection and preservation of archæological and other relics, ancient MSS., etc., and publication of original works on these subjects; 32 mems.; library of about 5,840 vols. 8,000 items in museum, including 3,940 ancient MSS.; Pres. PRATIVA NATH RAY OF DIGHAPATIYA; Hon. Sec. K. C. SARKAR, M.A., B.L.; Chair. of Museum K. M. S. RAHMAN, M.A., C.S.P.; Curator MUKHLESUR RAHMAN, M.A.

West Pakistan Veterinary Research Institute: Lahore 13; f. 1958; objects: to promote and improve the development of the livestock industry and control diseases.

Zoological Survey Department: Fish Harbour, Karachi 2; f. 1948; to promote zoological research in taxonomy, zoo-geography and wild life of Pakistan; library of 6,000 vols., 100 current periodicals; Officer in Charge Dr. A. R. RANJHA, D.SC.

LIBRARIES

Anjuman Taraqqi-e-Urdu Pakistan Libraries: Urdu Road, Karachi 1; comprises:

Kutub Khana-i-'Am (*Public Library*): f. 1948; 20,000 vols. in Urdu.

Kutub Khana-e-Khas (*Special Library*): f. 1948; about 30,000 vols. and MSS. in Urdu, Arabic, Persian, English, French, Latin, Greek, etc.

Archæological Library: Taxila Museum, Taxila; f. 1960; 1,400 vols. on history and arts, especially the ancient history of Pakistan; Custodian MUHAMMAD ISHTIAQ KHAN.

British Council Libraries: Karachi; 14,700 vols.; Lahore 11,200 vols.; Dacca 5,700 vols.; also at Peshawar, Sind, Rawalpindi, Hyderabad, Rajshahi (East Pakistan) and Chittagong; British university text-books available for long-term loans.

British Information Services Library: El-Markaz Building, Bunder Road, Karachi; Dir. Col. I. C. EDWARDS; Deputy Dir. E. BAILEY.

Central Secretariat Library: Government of Pakistan, Block No. 59, Karachi; f. 1951; 12,000 vols. excluding public documents; Dir. M. N. SAFA; Librarian (Vacant).

Dyal Singh College Library: Lahore; f. 1910; 29,500 vols.; Librarian NAZIR AHMAD KHAN.

East Pakistan Central Public Library: Shanbagh, Dacca 2; 15,000 vols., 120 periodicals; Librarian AHMAD HUSAIN.

Ewing Memorial Library: Forman Christian College, Lahore 11; f. 1866; 54,085 vols.; Librarian ETHEL A. MELLORS.

International Book Exchange Centre: Government of Pakistan, Block No. 79, Karachi; f. 1958; 20,000 public documents; Dir. M. N. SAFA; Librarian S. I. H. SABZWARI.

Government College Library: Lahore; f. 1864; 31,449 vols.; Librarian M. SIDDIQUE, B.A., LIB.DIP.

Islamia College Library: Lahore; f. 1892; 28,500 vols., 70 current periodicals; Librarian S. NAZIR AHMAD.

Khalikdina Hall Library and Reading Rooms: Bunder Road, Karachi; f. 1856; 7,000 vols.; Librarian R. M. EDRIS.

Liaquat Hall Library: Liaquat Hall Garden, Karachi; f. 1852 as Frere Hall Library; 15,000 vols.; Librarian NEMATULLAH BEGG.

Liaquat National Library: Karachi; temporarily housed in Shikarpuri panchayat building; 40,000 vols. (24,848 English and European languages, 13,082 Oriental languages); Librarian I. H. KAISER, M.A., C.L.S.

National Assembly Libraries: Dacca, Karachi and Rawalpindi; f. 1947; 40,000 vols.; 45 current periodicals; United Nations publications; Librarian S. HARIB AKHTAR HASSAN.

Pakistan National Scientific and Technical Documentation Centre (PANSDOC): 2/141 S, P.E.C.H.S., Karachi; f. 1956 in association with UNESCO; established under the Pakistan Council of Scientific and Industrial Research as documentation centre for all branches of science and technology; services include supply of microfilms and photocopies, translations (into English), and bibliographies; Head Dr. A. R. MOHAJIR, PH.D. (Wisconsin).

Panjab Public Library: Lahore; f. 1884; 125,000 vols., 1,000 MSS., 150 current periodicals; Librarian KH. NUR ELAHI, B.A., LIB.DIP.

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Sandeman Library: Quetta; f. 1886; 10,929 vols.; Librarian MUHAMMAD ABDUL RAZZAQ.

Talim-ul-Islam College Library: Rabwah, West Pakistan; f. 1944; 6,000 vols.; Librarian M. MOHAMMAD DIN, M.A., LIB.DIP.

U.S. Information Services Library: Karachi; Librarian J. A. ALAVI.

University of Dacca Library: Dacca; f. 1921; 150,000 vols. and over 25,000 MSS.; Librarian M. S. KHAN, M.A., B.L., F.R.S.HIST. (London).

University of Karachi Library: Karachi 32; f. 1952; 95,000 vols., 500 current periodicals; Librarian M. ADIL USMANI, M.L.S.

University of Peshawar Library: Peshawar; f. 1952; 30,000 vols., 559 MSS., 400 journals; Librarian ABDUS SUBUH QASIMI, M.A.

University of the Panjab Library: Lahore; f. 1882; approx. 170,000 vols., 17,716 MSS., 440 journals; Librarian Dr. J. S. SHARMA, M.A., D.L.SC., PH.D.LIB.SC.

University of Rajshahi Library: Rajshahi; f. 1955; 30,000 vols., 300 journals; Librarian A. RAZZA.

University of Sind Library: Hyderabad (Sind); f. 1947; 50,000 vols.; Librarian MOHAMMAD ALI KAZI, M.A.

MUSEUMS

Pakistan Museum Association: Peshawar; f. 1949; objects: to advance and improve the work of museums in Pakistan; establish close contact with universities, educational and services institutions; open new museums in important towns in Pakistan; provide facilities for the training of curators; establish an archæological laboratory; and to popularise museum movement in the country by the following means: (1) sending circulating exhibitions, (2) guided tours, (3) delivering popular lectures and publishing literature on Pakistan museums; Pres. MUMTAZ HASSAN; Gen. Sec. M. A. SHAKUR, B.A.; publs. *Museums Journal of Pakistan* (two issues a year), *Museum Studies*.

National Museum of Pakistan: Frere Hall, Karachi; f. 1950; collections comprise palæolithic implements from the Soan Valley, antiquities from Kot-Diji, Mohenjo-daro, Harappa, Chanhudarox, and Jhukar, Gandhara and Indo-Afghan sculptures, items from Taxila and Pahrpur, Hindu sculptures, etc.; collections of coins; paintings on paper and ivory; official documents, letters, etc.; handicrafts and modern work; also ethnographic collections; Supt. S. A. NAQVI, M.A., LL.B., A.M.A.

Agricultural College Museum: Lyallpur; f. 1909; Hon. Curator Professor of Botany.

Aiwen-e-Rifaf Museum and Art Gallery: Karachi; f. 1952; art; Dir. Dr. FYZEE RAHAMINI.

Archival Museum: Central Record Office (Government of West Pakistan), Peshawar; f. 1950; Principal Officer Prof. S. M. JAFFAR, Dir. of Archives.

Archæological Museum: Harappa, Dist. Montgomery, West Pakistan; Custodian MOHD SAID AHMAD.

Archæological Museum: Moenjodaro, Larkana, West Pakistan; f. 1924; a variety of antiquities unearthed from the Prehistoric site of Chalcolithic period; Custodian TASWIR HUSAIN HAMIDI, M.A.

Archæological Museum: Taxila, Rawalpindi; f. 1926; antiquities of every description from the sites of Taxila and monastic area, covering the years from 6th century B.C. to 5th century A.D.; Custodian MUHAMMAD ISHTIAQ KHAN.

Balda Museum: Dacca; f. 1927; Art and Archæology; Superintendent MUHAMMAD HANNAN.

Central Museum: Lahore, West Pakistan; f. 1864; contains largest collection in the world of Graeco-Buddhist sculpture, one of the finest of Indian coins and miniature paintings of the Mughal, Rajput and Kangra schools; modern section recently enlarged; Curator MALIK SHAMSUDDIN.

Dacca Museum: Ramna, Dacca, East Pakistan; f. 1913; library of 4,000 vols.; art and archæology of Bengal; Hon. Curator M. KABIR, M.A., PH.D.; publs. *Annual Report, Catalogues, Buddhist and Brahmanical Iconography, Coins and Chronology of Independent Sultans of Bengal.*

Forest Museum: Pakistan Forest Institute, Peshawar University; f. 1952; Botany and Entomology; Curator S. SIKANDAR ALI.

Geological Museum: Quetta; 1949; Hon. Curator Petrologist.

Historical Records Office Museum: Lahore; f. 1924; Archives; Keeper MIAN MUHAMMAD SAADULLAH.

Industrial and Commercial Museum: Bank Square, Lahore, West Pakistan; permanent up-to-date collection of the raw material resources, handicrafts, art-ware and manufactured products of West Pakistan; industrial library, reading-room and auditorium attached; provides free economic intelligence to trade and industry; Curator ISLAM HASAN KHAN, B.SC.

Lahore Fort Museum: Lahore; armoury museum under the charge of the Superintendent of Archæology, Western Pakistan Circle, Lahore.

Peshawar Museum: Peshawar; f. 1906; the collections of this museum are devoted mainly to the sculptures of the Gandhara School; they comprise an unrivalled collection of images of the Buddha, Bodhisattvas, Buddhist deities, reliefs illustrating the life of the Buddha and Jataka stories, architectural pieces and minor antiquities excavated at Charsadda, Sahri-Bahlol, Shahji-ki-Dheri, Takht-i-Bahi and Jamal Garhi; there is also an art gallery, and sections for industrial and mineral products, forestry, effigies of Red Kafirs, etc.; Curator M. A. SHAKUR, B.A.; publs. Guides, *Red Kafirs, Handbook*, etc.

Quaid-i-Azam Birthplace Museum: Karachi; f. 1953; Historic; Librarian and Custodian HABIB AHMAD.

Rawalpindi Gallery of Modern Art: Rawalpindi; f. 1961; works of Pakistani artists; books on modern art.

Varendra Research Museum: *see under* Research Institutes.

Veterinary Museum: Bahawalpur; f. 1950; Hon. Curator Doctor-in-Charge.

Zoological Museum: Lahore; Curator A. P. KRIKLIWY.

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UNIVERSITIES AND COLLEGES

UNIVERSITY OF DACCA

RAMNA, DACCA, EAST PAKISTAN
Telephone: 2514
Founded 1921.

Chancellor: The Governor of East Pakistan.
Vice-Chancellor: H. Rahman, B.A., LL.B.
Treasurer S. M. Ali, S.Q.A.
Registrar: A. Hady Talukdar, M.A.
Controller of Examinations: Mahbubar Rahman Khan, M.A.

Number of teaching staff: 217, including 14 professors.
Number of students: 3,146.

Deans:

Faculty of Arts: Dr. A. Halim, M.A., PH.D.
Faculty of Science: Dr. Q. M. Husain, M.A., PH.D.
Faculty of Law: Dr. N. U. A. Siddiqui, M.A., B.C.L., LL.D.
Faculty of Agriculture: F. Ahmad, M.SC., M.A., B.T., M.S.
Faculty of Medicine: Lt.-Col. M. M. Huqi.
Faculty of Engineering: Dr. Md. Abdur Rashid, B.E., D.SC.
Faculty of Education: M. Osman Ghani, M.A., B.T., T.D.

Professors:

Ahmad, Kamaluddin, M.SC., PH.D. (Biochemistry).
Ahmad, Dr. Nafis, M.A., PH.D., F.R.G.S. (Geography).
Ahmed, Dr. Majeed, M.SC., PH.D. (Botany).
Ami, M. I., M.SC., M.E.E, PH.D. (Physics).
Ghani, Dr. M. O., M.SC., PH.D. (Soil Science) (on leave).
Habibullah, Dr. A. B. M., M.A., PH.D. (Islamic History and Culture).
Hai, Md. Abdul, M.A. (Bengali).
Halim, Dr. A., M.A., PH.D. (History).
Haque, Dr. Serajul, M.A., PH.D. (Arabic and Islamic Studies).
Hussin, Dr. Quazi M., M.A., PH.D. (Statistics).
Hussain, A. F. Atwar, M.SC. (Commerce) (on leave).
Jilani, Dr. G., M.A., PH.D. (Philosophy).
Latif, Md. A., M.S.C., PH.D. (Geology).
Newman, Dr. K. J., LL.D., D.PHIL. (Political Science).
Shadani, Dr. W. H. A., M.A., PH.D. (Persian and Urdu).
Siddiqui, Dr. N. U. A., M.A., B.C.L., LL.D., (Law).

(The following chairs are vacant; Sanskrit, English, Economics, International Relations, Mathematics, Zoology and Chemistry).

Affiliated Colleges:

Forty-nine colleges in East Pakistan are affiliated to the University of Dacca, and there are eight constituent colleges.

UNIVERSITY OF KARACHI

UNIVERSITY CAMPUS, COUNTRY CLUB ROAD,
KARACHI 32, WEST PAKISTAN
Telephone: 43012/5
Founded 1951

See also under University of Sind

Chancellor: The Governor of West Pakistan.
Vice-Chancellor: Dr. I. H. Qureshi, M.A., PH.D. (Cantab.).
Registrar: Dr. Muhammad Aziz Ahmed, M.A., LL.B., PH.D.

Number of teachers: 195.
Number of students: 13,126.

Publications: *Federal Economic Review, Bengali Literary Review, Venture* (quarterly), *Jareeda* (Journal of the Bureau of Composition, Compilation and Translation), *University Studies* (quarterly research journal), *Karachi University Gazette* (monthly).

Deans:

Faculty of Arts: Dr. Amir Hasan Siddiqi, PH.D.
Faculty of Business Administration: Dr. I. A. Mukhtar, M.A., PH.D.
Faculty of Engineering: Mahmoud Alam, B.SC., M.I.C.E. A.M.I.E.
Faculty of Science: Dr. M. A. H. Qadri, D.SC., PH.D.

Professors:

Ahmad, I., M.A. (Political Science).
Ahmad, M. M. M.A., D.PHIL. (Philosophy).
Fareed, Q. M., M.A. (Cantab.) (Economics).
Husain, M., PH.D. (History).
Islam, R., M.A., PH.D. (History).
Karim, S. M., M.SC., PH.D. (Physics).
Qadri, M. A. H., D.SC., PH.D. (Zoology).
Sarwar, G., M.A., PH.D. (Persian).
Siddiqui, A. L., M.A., PH.D. (Urdu).
Siddiqui, A. H., M.A., LL.B., PH.D. (Islamic History).

Institute of Public and Business Administration: f. 1959.

There are twenty-four teaching colleges in Karachi recognised by the University.

UNIVERSITY OF THE PANJAB

LAHORE, WEST PAKISTAN
Telephone: 3747
Founded 1882.

Chancellor: The Governor of West Pakistan.
Vice-Chancellor: Mr. Justice Muhammad Sharif.
Registrar: M. Bashir, S.K., B.SC.
Treasurer: S. S. Haider, M.A.
Librarian: J. S. Sharma, M.A., D.L.SC., PH.D.LIB.SC.

Number of professors: 27.
Number of students: post-graduate 6,189, university colleges 2,612, affiliated colleges 17,504, other 182, total 26,487.

Heads of Departments:

Arabic and Urdu: Dr. S. M. Abdullah.
Applied Psychology: Dr. Ghulam Jilani.
Botany: Sher Ahmad Lodhi.
Chemical Technology: Dr. Niaz Ahmad.
Chemistry: Dr. Badar-ud-Din.
Economics: Dr. S. M. Akhtar.
English: Prof. Siraj-ud-Din.
Fine Arts: Mrs. Anna Molka Ahmad.
Geography: Dr. Kazi Said ud Din Ahmad.
Geology: Dr. Rhys Glyn Davies.
History: S. A. Rashid.
Islamic Studies: Allama Alauddin Siddiqui.
Journalism: Marghub Siddiqui.
Mathematics: Dr. S. Manzoor Hussain.
Persian: Dr. M. Baqir.
Pharmacy: Mohammad Ashraf.
Physics: Dr. Abdul Basir Pal.
Political Science: Dr. Dilawar Hussain.
Public Administration: Dr. Donald R. Larson.
Social Work: Dr. Riffat Rashid.
Sociology: Dr. Hassan Nawaz Gardezi.
Statistics and Astronomy: Dr. M. Zia ud Din.
Zoology: Dr. Muzaffar Ahmad.
Institute of Education: Dr. Ernest W. Horn.

Colleges of the University:

Hailey College of Commerce: Lahore; f. 1927.
Principal: M. Hasan, M.A.

Law College: Lahore; f. 1858.
Principal: Imtiaz Ali, M.A., LL.B., LL.M.
Library: *see under* Libraries.

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Oriental College: Lahore; f. 1870.
Principal: S. M. ABDULLAH, M.O.L., M.A., D.LITT.

AFFILIATED COLLEGES:

There are fifty-three affiliated colleges.

THE UNIVERSITY OF PESHAWAR

PESHAWAR, WEST PAKISTAN

Telephone: 5301

Founded 1950.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.
Vice-Chancellor: MOHAMMAD ALI, B.A., LL.B.
Registrar: Lt.-Col. FAIZULLAH KHATTAK, M.A.
Librarian: MAULANA ABDUS SUBBUH QASIMI, M.A., M.S.

Number of teachers: 306 (including 19 professors).

Number of students: 4,589.

Library: 48,480 vols., 562 MSS. and 221 current periodicals.

DEANS:

Dean of Sciences: Dr. A. M. MIAN, B.SC.HONS., PH.D.
Dean of Humanities: Dr. MAZHER ALI KHAN, M.A., PH.D.

PROFESSORS:

ALVI, M. H., M.B., B.S., M.SC., PB., PH.D. (Medicine).
AZAM, N., M.B., B.S., M.R.C.P. (Medicine).
BALUCH, R. B., M.B., B.S., F.R.C.S., D.R.C.O.G. (Medicine).
DULEY, F. L. (Agriculture).
DURRANI, MOHAMMAD ASHRAF, B.A.HONS., M.A.
DURRANI, U., B.SC., A.I.E.E., GRD.I.E.E., A.M.I.R.E. (Engineering College).
FAROOKI, M. A., M.B., B.S., PB., M.P.M., D.SC. (Medicine).
GARDEZI, S. A. R., M.B., B.S., PB., F.R.C.S. (Medicine).
KAMAL, Dr. SYED, M.SC., PH.D. (Agriculture College).
KHAN, Dr. FIDA MOHAMMAD, M.B.B.S., T.D.D., F.R.C.S. (Khyber Medical College).
KHAN, Dr. MAZHER ALI, M.A., PH.D. (English).
KHAN, M. S. (Engineering).
KHAN, Dr. NOOR AHMAD, B.SC., M.SC., PH.D. (Agriculture College).
MIAN, Dr. A. MAJID, B.SC.HONS., PH.D. (Mathematics).
QAZI, A. JABBER, M.B., B.S., M.R.C.P. (Medicine).
RAHMAN, H., M.B., B.S., PB., F.R.C.S. (Medicine).
RAZA, Dr. S. A., M.B.B.S., M.R.C.P. (Khyber Medical College).
SHAH, SYED YAHAYA, M.ED., DIPL.IN.ED. (Education).
SIDDIQI, Dr. M. S. H., M.SC., PH.D. (Chemistry).

CONSTITUENT COLLEGES:

Islamia College: Peshawar; f. 1913; Principal M. A. DURRANI.

Law College: Peshawar; f. 1950; Acting Principal A. RAZZAK.

Teachers' Training College: Peshawar; f. 1950; Hon. Principal SYED YAHYA SHAH.

Engineering College: Peshawar; f. 1952; Principal U. DURRANI.

Khyber Medical College: Peshawar; f. 1955; Principal Major-Gen. AKRAM KHAN.

College of Home Economics: University of Peshawar; f. 1954; Principal Dr. K. SIDDIQUI.

Agriculture College: Peshawar; f. 1957; Hon. Principal F. L. DULEY.

There are twelve affiliated colleges.

RAJSHAHI UNIVERSITY

RAJSHAHI, EAST PAKISTAN

Telephone: Rajshahi 171

Telegraphic Address: University Rajshahi

Founded 1953.

Chancellor: THE GOVERNOR OF EAST PAKISTAN.
Vice-Chancellor: Dr. M. AHMED, M.A., PH.D.
Registrar: A. R. JOARDER, M.A.
Librarian: A. RAZZAQUE, M.A., AL.A.

Number of teachers: 114.
Number of students: 7,386.

DEANS:

Faculty of Arts: M. A. BARI, M.A., D.PHIL.
Faculty of Science: S. Q. HUSAIN, M.SC., M.I.T., PH.D.
Faculty of Law: S. S. Z. RAHMAN, M.A., LL.M.
Faculty of Education: M. MOHI-YUD-DIN, M.A., B.T.
Faculty of Medicine: Lt.-Col. G. AHMED, M.B.

HEADS OF DEPARTMENTS:

Department of English: Z. R. SIDDIQUI, M.A.
Department of Economics: M. T. HAQ, M.A., M.SC., PH.D.
Department of History: Prof. Dr. A. R. MALLICK, M.A., PH.D.
Department of Mathematics: Dr. SYED QASIM HUSSAIN, M.SC., PH.D.
Department of Geography: AHMAD MOHAMMAD PATEL, M.A.
Department of Philosophy: Dr. K. M. JAMIL, M.A., D.LITT.
Department of Physics: Dr. A. HUSAIN, M.SC., PH.D.
Department of Chemistry: Dr. K. A. LATIF, M.SC., PH.D.
Department of Psychology: Prof. Dr. S. M. MOGHNI, M.A., PH.D.
Department of Commerce: M. S. ISLAM, M.A.
Department of Bengali: Dr. M. M. ISLAM, M.A., PH.D.
Department of Islamic History and Culture: Dr. M. A. BARI, M.A., D.PHIL.
Department of Statistics: KHANDKAR MANOWAR HOSSAIN, M.A.
Department of Political Science: B. M. UMAR, M.A.

UNIVERSITY OF SIND

HYDERABAD, WEST PAKISTAN

Telephone: 2591

Founded in 1947 in Karachi, and transferred to Hyderabad, Sind, in 1951, when it was decided to found a separate Karachi University. There are central teaching departments but the university also functions as an affiliating and examining body.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.
Vice-Chancellor: Dr. M. RAZIUDDIN SIDDIQI, M.A. (Cantab.), PH.D., D.SC. (Hons.).
Registrar: MOHAMMAD HUSAIN, M.A.
Librarian: MUHAMMAD ALI KAZI, M.A.

Number of teachers: 108.
Number of students: 910 full-time.
Publications: *University Gazette, Journal of Education, Sind University Research Journal Arts series Humanities and Social Sciences.*

DEANS AND HEADS OF DEPARTMENTS:

Department of Education: Dr. N. A. BALOCH, M.A., LL.B., D.ED.
Departments of Comparative Religion and Islamic Culture: Dr. A. J. HALEPOTA, M.A., D.PHIL.
Department of Sindhi: A. H. JATOI, M.A., B.T.
Department of Arabic: G. N. JALBANI, M.A.
Department of Muslim History: Dr. MUMTAZ HUSAIN PATHAN, M.A., LL.B., PH.D.

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Department of Economics: Dr. N. A. G. KHAN, M.A., B.T., PH.D.
Department of Philosophy: WAHEED ALI FARUQI, M.A.
Department of Psychology: Mrs. RAFIA HASAN, M.A., M.ED.
Department of General History: Dr. AHMED BASHIR, M.A., PH.D.
Department of Political Science: Dr. NIAZUL HAQ KHAN, M.A., PH.D.
Department of Urdu: Dr. GHULAM MUSTAFA KHAN, M.A., LL.B., PH.D., D.LITT.
Department of English: S. M. JAMIL WASTI, M.A.
Department of Persian: Dr. NABI BAKHSH QAZI, M.A., M.ED., PH.D.
Department of Geography: M. M. MEMON, M.SC., B.T.
Department of C.S.S. Coaching Classes: A. A. SIDDIQI, M.A., LL.B.
Departments of Zoology: Dr. AHMED MOHIUDDIN, M.SC., PH.D.
Departments of Botany: Dr. AHMED SHAMSUL ISLAM, M.SC., PH.D.
Departments of Mathematics: SHAUKAT ABBAS, M.A.
Department of Physics: Dr. Q. K. GHORI, M.SC., PH.D.
Department of Chemistry: Dr. MUMTAZ ALI KAZI, M.SC., LL.B., PH.D.
Department of Geology: MUHAMMAD RAIS AHMED, M.SC.

AFFILIATED COLLEGES:

There are nineteen affiliated Degree Colleges.

COLLEGES

Chittagong Polytechnic Institute: Chittagong; f. 1959; to be completed in 1965; 200 students.

Dacca Polytechnic Institute: Tejgaon Industrial Area, Dacca 8, East Pakistan; f. 1955.

East Pakistan Textile Institute: Dacca.

Institute of Leather Technology: Dacca.

Karachi Polytechnic: Karachi.

Rawalpindi Polytechnic Institute: Rawalpindi; f. 1958.

Swedish Pakistani Institute of Technology: Ministry of Industries, Government of Pakistan, Landhi, Karachi 22; f. 1958; holds classes in technical trades and handicrafts; Chair. of Board of Governors OSMAN ALI, Sec. Ministry of Finance; H.E. HUGO ARNFAST, Swedish Ambassador to Pakistan, representing Royal Swedish Government.

Liaquat Medical College: Jamshiro; f. 1959; 325 students.

Technical Institutes for training technicians and "diploma engineers" exist at Lahore and Sialkot, Peshawar, Bahawalpur, Khairpur and Hyderabad.

Academy of Western Music: Karachi; f. 1961; to train young musicians and to develop an appreciation of Western music; theory and history of music and instrumental instruction; Dir. FEROZE BUCHOME.

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PANAMA

Population 1,075,541

ACADEMIES

Panama City

Academia Panameña de la Lengua (*Panama Academy*): 12th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Boletín*.
Director: Baltasar Isaza y Calderón.
Secretary: Enrique Ruiz Vernacci.

Members:

Alfaro, Ricardo J.
Arrocha Graell, Catalino
Duncan, Jeptha B.
Fábrega, José Isaac
Guardia Navarro, Ernesto de la
Roux, Raúl de

Elected:

Bermúdez, Ricardo J.
Blas Tejeira, Gil
Fábrega, Octavio
Garay Preciado, Narcisco E.
García, Ismael
Mejía Dutary, Miguel
Miró, Rodrigo
Obaldía, María Olimpia de
Ozores, Renato

Academia Nacional de Ciencias de Panamá (*National Academy of Sciences of Panama*): Apdo. 719; f. 1942 by Dr. Guillermo Patterson, Jr.; 24 mems.; research on scientific, including industrial and health, problems; the Academy advises the National Government.
President: Dr. Guillermo Patterson, Jr., B.C., B.S., CH.E., M.S., PH.D., LL.B., F.R.S., F.A.A.A.S.
First Vice-President: Francisco J. Morales, B.S., C.E.
Second Vice-President: Dr. Alfredo Melhado, CH.E., M.D.
Third Vice-President: Alfonso Tejeira, B.S.A., now Vice-Minister of Industry and Commerce.
Treasurer: Miguel O. Amado, B.S.
Permanent Secretary: Dr. Guillermo G. de Paredes, M.D., M.P.H., DR.P.H.
Publications: *Boletín, Lecturas Científicas.*

Academia Panameña de la Historia (*Panama Academy of History*): Apdo. 973; f. 1921; Pres. Ernesto J. Castillero; Sec. Juan Antonio Susto; publ. *Boletín.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Comisión Nacional de Arqueología y Monumentos Históricos: f. 1946; Pres. Reina Torres de Araüz; Sec. Demetrio Toral.

Gorgas Memorial Laboratory of Tropical and Preventive Medicine: Avenue Justo Arosemena 35-39, Panama City; f. 1929; Dir. Dr. Carl M. Johnson; Exec. Officer J. A. Tarté.

Sociedad Bolivariana de Panamá (*Bolivar Society of Panama*).

U.S. Information Center: 35-02 Avda. Central.

LIBRARIES

Panama City

Biblioteca Nacional (*National Library*): Apdo. 3435; f. 1892 as Biblioteca Colón, reorganised as Biblioteca Nacional 1942; 156,000 vols. (including bound reviews and periodicals); Dir. Lic. Ana María Jaén J.

Biblioteca de la Universidad de Panamá (*University Library*): Apdo. 3277; f. 1935; 110,000 vols., including 34,000 vols. in medical library; maintains contact with more than 300 institutions; Dir. Carmen D. de Herrera.

Biblioteca del Laboratorio Conmemorativo Gorgas (*Gorgas Memorial Laboratory Library*): Box 2016, Balboa Heights; 5,000 vols., mainly in medicine and related fields; Dir. Lic. Manuel Victor de Las Casas.

Biblioteca de los Estados Unidos (*United States Information Library*): Box 1099, Panama City; 15,000 vols.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Palacio de la Cancillería, Plaza de Cervantes; f. 1904; 5,000 vols.; Dir. Balbino Moreno.

Biblioteca del Instituto Nacional (*Library of the National Institute*): 50,000 vols.

MUSEUM

Museo Nacional de Panamá (*National Museum*): f. 1925; sections of natural history, archæology, ethnology, history; includes collections of gold, ceramic and stone objects discovered in native tombs; Dir. Prof. Alejandro Méndez.

UNIVERSITY

UNIVERSIDAD DE PANAMÁ

APARTADO 3277, PANAMA CITY
Telephone: 3-0210

Founded 1935

Rector: Dr. Narcisco E. Garay.
General Secretary: Diógenes A. Arosema G.
Number of teachers: 156.
Number of students (men and women): 5,680.
Publications: *Revista Universidad, Estadística Universitaria.*

Deans:

Faculty of Philosophy, Letters and Education: Rafael E. Moscote.
Faculty of Law and Political Sciences: Dulio Arroyo.
Faculty of Science: Bernardo Lombardo.
Faculty of Medicine: Antonio González Revilla, M.D.
Faculty of Engineering: Ing. Alberto de Saint Malo.
Faculty of Public Administration and Commerce: Dra. Georgina Jiménez de López.
Faculty of Architecture: Ricardo J. Bermudez.

Professors:

Faculty of Philosophy, Letters and Education:
Araúz, Reina Torres de (Anthropology).
Barranco, Rafael (English).

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Batista, Xenia (Social Education).
Brandao, Zoraida (Education).
Canton, Alfredo (Education).
Cardoze, Nydia (Geography).
Cohen, Pedro (English).
Córdova, Gerado (Social Development).
De León, Ovidio (Psychology).
De León, Raguel (Geography).
De Roux, Raúl (Spanish Literature).
Díaz, Tobías (Philosophy).
Domínguez, Diego (Philosophy).
Ferrer Valdés, Manuel (Anatomy, Bromatology).
Fischmann, Zdeňka (Music).
Garay, Manuel (French).
Garcia, Ismael (Spanish Language and Literature).
Gasteazoro, Carlos (History).
Gomez, Victor (Psychology).
Isaza C., Baltásar (Spanish Literature).
Martin, Miguel A. (History).
Mejía D., Miguel (Spanish).
Miró, Rodrigo (Spanish).
Moscote, Rafael E. (Social Development).
Pinilla, Julio (Latin).
Rendoll Gómez, Oscar (Physical Education).
Rina Villaverde (History).
Ritter, Eduardo (Philosophy).
Rojas, Alfonso (Physical Education).
Rubio, Angel (Geography).
Ruiz, Enrique (History of Art).
Saez, Rosalina (English).
Souers, Jaenne (English).
Suman, Oscar (Physical Education).
Surgeon, Helena (English).
Velásquez, Federico A. (Education).

Faculty of Law and Political Sciences:

Arroyo, Dulio (Civil Law).
Benedetti, Eloy (Law).
Cano Llopis, Manuel (Civil and Labour Law).
Chanis, Rolando (Forensic Medicine).
De León, Victor A. (Procedural Law).
Fábrega, José Isaac (Political Science).
Garay P., Narciso E. (Civil Law).
Górriz, Mariano (Forensic Psychiatry).
Linares, Julio (International Public Law).
López, Georgina Jiménez de (Sociology).
Noriega, José A. (Administrative Law).
Ozores Q., Renato (Law).
Pereira, Cesar (Roman Law).
Rodríguez Arias, Lino (Philosophy of Law).
Vásquez, Publio A. (Criminology, Penal Law).

Faculty of Science:

Averza, Jerónimo (Pharmacy).
Camacho, Isaias (Chemistry).
Colamarco, Agustín (Mathematics).
Enseñat, Enrique (Agriculture).
Fernández U., Vicente (Bacteriology, Parasitology).
Gálvez, Delfin (Analytical Chemistry).
Graetz, Erich (Physiology).
Gutierrez, Juan J. (Chemistry).
Llaña, Alfredo (Zoology).
Lombardo, Bernardo, Jr. (Physics, Mathematics).
Marichal, Carlos (General and Organic Chemistry).
Martín, Rafael (Chemistry).
Martini, José A. (Agriculture).
Méndez, Alejandro (General Botany, Pharmaceutics).
Mock, Antonio (Physics).
Prieto, Julio (Pharmacy).
Richa, Ernesto (Physics).
Rivera C., Nariño (Mathematics).
Sánchez, Ceferino (Pharmacy).
Sousa, Octavio (Embryology, Comparative Anatomy).

Faculty of Medicine:

Alfaro, Luis D. (Orthopædics).
Alvarado, Arturo (Dermatology).
Benedetti, Leopoldo (Pediatrics).
Boyd, Benjamín F. (Ophthalmology).
Burlando, Enrico (Radiology).
Calero, Carlos (Hæmatology).
Calvo, Alberto (Public Health).
De la Guardia, Jaime (General Surgery).
Figueroa, Alfredo (Urology).
González Revilla, Antonio (Neurology).
González Ruíz, Bernardino (Surgery).
Herrera, Juan Miguel (Histology and Pathology).
Lavergne, Julio A. (Physiology, Hygiene).
Mariano Lamela (Pharmacology and Therapeutics).
Méndez P., Gustavo (Internal Medicine).
Preciado, Manuel (Oto-Rhino-Larynology).
Rodaniche, Enid (Bacteriology and Parasitology).
Rognoni, Mario (Cardiology and Geriatrics).
Young, Rudolfo (Phthisiology).

Faculty of Engineering:

Abadi, Isaac (Soil Mechanics).
Bermúdez, Ricardo J. (Architecture).
Brenes, René (Professional Practice, Drawing).
Cedeño, Juan M. (Drawing and Painting).
De Roux, Guillermo (Architecture).
De Saint Malo, Alberto (Engineering).
Díaz, Rogelio (History of Architecture).
Guardia, Tomás, Jr. (Engineering).
Juliao, Víctor M. (Engineering).
Kiamco, Ireneo (Engineering).
López Fábrega, Roberto (Engineering).
Mckay, Juan B. (Building Equipment).
Méndez, Erasmo (Civil Engineering).
Noriega, Julio (Reinforced Concrete).
Rodríguez, Guillermo (Engineering).
Saavedra, Ramón (Astronomy, Mathematics).
Urrutia, Victor (Thermodynamics, Electrical Engineering)

Faculty of Public Administration and Commerce:

Alfaro, Rogelio (Business Administration).
Arosemana, Diógenes A.
Carles, Rubén D., Jr. (Economics).
Clare, Emilio (Economics).
Escobar, Erasmo.
Lasso de la Vega, Javier (Public Finance).
Mayorga, Daphne (Social Service).
Méndez G., Manuel.
Monterrey, Juan (Accountancy).
Navarro, Maritza L. de (Social Service).
Paredes, Rigoberto.
Pérez, Camilo (Political Science).
Quintero, César A. (Politics).
Rodríguez, Luz Eneida.
Sogandares, Lucila (Social Service).
Tejada, Gustavo (Economics).
Valdés, Elsa G. (Social Assistance).
Vásquez, Braulio (Accountancy).
Velarde, Carlos (Economics).

Faculty of Architecture:

Bermúdez, Ricardo J. (Architecture).
Brenes, René (Professional Practice, Drawing).
Cedeño, Juan M. (Drawing and Painting).
De Roux, Guillermo (Architecture).
Díaz, Rogelio (History of Architecture).
López Fábrega, Roberto (Engineering).
Pérez, Rafael (Design).
Riba, Jorge (Town Planning).
Toral, Demetrio (Plastic Arts).
Trujillo, Guillermo (Drawing).

PANAMA CANAL ZONE

Canal Zone Library and Museum: f. 1914; 145,000 books, 75,000 additional items including pamphlets, periodicals, documents, MSS., microfilm, etc.; English and Spanish sections; Panama Collection, covering the Panama Railroad, the French Canal effort, and the Panama Canal.

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PARAGUAY

Population 1,800,000

ACADEMIES

Asunción

Academia Paraguaya (*Paraguayan Academy*): 14th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Anales.*

Honorary President: Juan E. O'Leary.

President: Luis de Gásperi.

Vice-President: Anselmo Jover Peralta.

Secretary: Luis A. Lezcano.

Secretary: Roque Gaona.

Treasurer: Marco Antonio Laconich.

Academic Council: Julio César Chaves, H. Sánchez Quell, Carlos R. Centurión, Osvaldo Chaves, Manuel Riquelme, Gustavo González.

Memberz

Juan Stefanich.
Justo Pastor Benítez.
Pablo Max Isfrán.
Juan Natalicio González.
Concepción Leyes de Chaves.
Justo P. Prieto.
Teresa Lamas de Rodriguez Alcalá.
Luis Ruffinelli.
Efraín Cardozo.
Raúl Sapena Pastor.
Ezequiel González Alsina.
José Concepción Oritz.

Academia de la Lengua y Cultura Guarani: Calle Azará 538; f. 1942; Pres. Guillermo Tell Bertoni; Sec. Roque Centurión Miranda; publ. *Revista.*

Academia Paraguaya de Ciencias Historicas, Politicas y Sociales: 15 de Agosto, 410; Pres. Benigno Riquelme Garcia; publ. *Boletín Bibliografico Paraguayo, Revista Nacional de Cultura.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Asociación Indigenista del Paraguay: Alberdi 709; Pres. Juan Belaisff; Sec. Agustin Duarte.

Centro de Estudios Antropológicos del Paraguay: 18 y 3ª (Sajonia); f. 1950; Pres. Cnel. Ramón César Bejarano.

Deutsch-Paraguayisches Kulturinstut (*German-Paraguayan Culture Institute*): Coronel Bogado 424.

Instituto Geográfico Militar: Calle 27 y Avda. Carlos Antonio López; Dir. Francisco Vega Gaona; Sec. Antonio L. González Rojas.

Instituto Nacional de Parasitología (*National Institute of Parasitology*): Dir. Dr. R. Urizar; publ. *Anales.*

Instituto de Numismática y Antiguedades del Paraguay: Calle 25 de Noviembre, 436; f. 1943; Dir. Ramón Lara Castro; publ. *Memoria* (yearly).

Instituto Paraguayo de Investigaciones Históricas: Calle 25 de Noviembre, 436; f. 1937.

Jardín Botánico y Museo de Historia Natural (*Botanical Gardens and Natural History Museum*): f. 1914; Dir. Ing. Gildo Insfran Guerros; herbarium, zoological garden and museum, bacteriological laboratory, agricultural experimental station; publ. *Revista.*

Laboratorio de Biología (*Biological Laboratory*): Dir. L. E. Migone.

Sociedad Científica del Paraguay (*Paraguayan Scientific Society*): Avenida España 505; f. 1921; Pres. Dr. Andrés Barbero; Sec. G. Tell Bertoni; 80 mems.; publs. *Revista*, pamphlets.

Sociedad de Pediatría y Puericultura del Paraguay (*Pædiatrics and Child Welfare Society*): 25 de Mayo y Tacuaí; f. 1928; 28 mems.; Pres. Dr. Guido Rodríguez Alcalá; Sec. Dr. Gustavo A. Riart; publ. *Revista Médica del Paraguay.*

Union Sudamericana de Asociaciones de Ingenieros (USAI) (*South American Union of Engineers' Associations*): Head Office: Casilla de Correos, 336, Asunción; f. 1935; mem. countries: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela; Dir. and Pres. Ing. Carlos Espinoza Maciel; Sec. Ing. Hermann Baumann.

LIBRARIES AND ARCHIVES

Asunción

Archivo Nacional (*National Archives*): Mariscal Estigarribia, 95; f. 1950; Dir. Dr. Viriato Díaz Pérez; publ. *El Archivo Nacional.*

Archivo Nacional y Museo Americano Godoy (*National Archives and American Museum Godoy of the University of Asunción*).

Biblioteca Nacional del Paraguay (*National Library*); f. 1902; 12,000 vols.

Government Library:

Biblioteca y Archivo del Ministerio de Relaciones Exteriores y Culto (*Library of the Ministry of Foreign Affairs*).

Biblioteca Americana (*American Library*): attached to the Godoi Museum.

Biblioteca del Museo de Historia Natural y Etnografía (*Library of the Museum of Natural History and Ethnography*): Avenida España 505; 29,230 vols.; 47,200 pamphlets on natural sciences and medicine.

Biblioteca de la Sociedad Científica del Paraguay (*Library of Paraguayan Scientific Society*): Avenida España 505; f. 1921; 29,300 vols. on science; *Flora brasiliensis* by Martins, first edition.

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MUSEUMS

Asunción

Museo Nacional de Bellas Artes (Museo Godoi) (*National Museum of Fine Arts*): private collection of the writer Juan Silvano Godoi.

Museo de Historia Natural y Etnografía (*Museum of Natural History and Ethnography*): Avenida España 505; f. 1921; Dir. Dr. Andrés Barbero; valuable collections of Guaraní archæological objects (3,200 exhibits).

Museo Histórico Militar (*Museum of Military History*): Av. Mariscal López esquina Vice Pte. Sánchez; recent war collections; Dir. Manuel Wenceslao Chaves.

Trinidad

Museo Botánico y Zoológico (*Botanical and Zoological Museum*): Jardín Botánico y Zoológico; f. 1914; Dir. José D. Samaniego G.

UNIVERSITIES AND COLLEGES

UNIVERSIDAD CATOLICA "NUESTRA SEÑORA DE LA ASUNCIÓN"

CERRO CORÁ 379, ESQ. CABALLÉRO,

Telephone: 1044

Founded 1960

Chancellor: Most Rev. Mons. Aníbal Mena Porta, Archbishop of Asunciön.
Rector: Mons. Dr. Juan Moleón Andreu.
Vice-Rector: Dr. Mario Luis de 'Finis.
Librarian: (Vacant).

Number of professors: 80.

Number of students: 839.

Publications: *Alborada Universitaria, Excelsior* (monthly).

Deans:

Faculty of Juridical, Political and Social Sciences: Dr. Ramiro Rodríguez Alcalá.

Faculty of Philosophy and Educational Science: R.P. Dr. Fernando María Moreno, S.J.

Faculty of Accountancy and Administration: Dr. Francisco Esculies.

UNIVERSIDAD NACIONAL DE PARAGUAY

COLON 63, ASUNCIÓN

Telephone: 4056

Founded 1890

Rector: Crispín Insaurralde.
Secretary-General: Antonio Massulli Fúster.

Number of teachers: 500.
Number of students: 3,500.

Deans:

Faculty of Law and Social Science: Justo Pucheta Ortega.
Faculty of Medicine: Alfredo Ayala Haedo.
Faculty of Physics and Mathematics: Pastor Gómez.
Faculty of Economics: Hermógenes González Maya.
Faculty of Odontology: Eduardo Ruiz Peralta.
Faculty of Chemistry and Pharmacy: José Danilo Pecci.
Faculty of Philosophy: Carlos Alvarez.
Faculty of Agriculture and Veterinary Medicine: Luis A. Nery Huerta.
Faculty of Architecture: Juan Cámeron.

ESCUELA SUPERIOR DE FILOSOFÍA, CIENCIAS Y EDUCACION

CALLE ELIGIO AYALA 128, ASUNCIÓN

Founded 1944

Departments: Chemistry, Education, Philosophy and Letters, Physical Science and Mathematics, Natural Sciences, Social Sciences, Medicine, Economics, Architecture, Pharmacy, Odontology, Agronomy, Public Administration, Fine Arts.

INSTITUTO NACIONAL DE INVESTIGACIONES CIENTIFICAS

P.O. BOX 1141, ASUNCIÓN

Founded 1957

Director: Fabio Rivas.

Departments of Physics, Chemistry, Mathematics, Psychology and Education.
Number of students: 50.

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PERU

Population 11,675,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

ACADEMIES

LIMA

Academia Peruana (*Peruvian Academy*): the Peruvian Academy is 7th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Revista*.

Director: VÍCTOR ANDRÉS BELAUNDE.
Secretary: JOSÉ JIMÉNEZ BORJA.
Censor: OSCAR MIRÓ QUESADA.

MEMBERS:

JUAN BAUTISTA DE LAVALLE.
RUBÉN VARGAS UGARTE.
AURELIO MIRÓ QUESADA SOSA.
GUILLERMO HOYOS OSORES.
ENRIQUE LÓPEZ ALBÚJAR.
HONORIO F. DELGADO.
JORGE BASADRE.
MARIANO IBÉRICO RODRÍGUEZ.
FELIPE BARREDA Y LAOS.
ALBERTO J. URETA.
JOSÉ LUIS BUSTAMENTE Y RIVERO.
LUIS ALAYZA Y PAZ SOLDÁN.
RAFAEL DE LA FUENTE BENAVIDES.

Elected:

ALBERTO ULLOA SOTOMAYOR.
CIRO ALEGRÍA.
HÉCTOR VELARDE.
ALBERTO WAGNER DE RAYNA.

Academia Nacional de Ciencias Exactas, Fisicas y Naturales de Lima (*Lima Academy of Exact, Physical and Natural Sciences*): Casilla 1979; Pres. Dr. GODOFREDO GARCIA; publ. *Actas*.

Academia Nacional de Medicina (*National Academy of Medicine*): Unión 876, Casilla 987; f. 1884; Pres. Dr. FRANCISCO GRANA; Perm. Sec. Dr. CARLOS E. PAZ SOLDÁN; 40 mems., 60 hon. mems.; (for publs. *see* Sociedad Peruana de Historia de la Medicina).

Academia de Estomatología del Perú (*Peruvian Academy of Stomatology*): Apartado 2467; f. 1929; Pres. Dr. JULIO BEGAZO SANZ; Sec. Dr. OSCAR DEL AGUILA; publ. *Boletín* (monthly).

Academia Lauretana de Ciencias y Artes (*Academy of Science and Art*): f. by Deán Valdivia.

Asociación Cultural Peruano-Británica (*Peruvian-British Cultural Association*): Camaná 787; Apdo. 1608; f. 1936; library of 15,000 vols.; 1,078 mems.; Pres. WALDEMAR SCHRODER Y MENDOZA, C.B.E.; Dir. J. K. H. HARRIMAN, O.B.E. The Association is a Peruvian organisation supported by the British Council which sends out British executive officers to organise its activities under the direction of the Board of Governors.

Asociación de Artistas Aficionados (*Amateur Dramatic Society*): Ica 323; f. 1938; Dir. ALEJANDRO MIRÓ QUESADA; 245 mems.; presentation of classical plays.

Asociación Nacional de Escritores y Artistas (ANEA) (*Association of Writers and Artists*): Jiron de la Union (Belen) 1054; Pres. Dr. PEDRO UGARTECHE.

Asociación Médica Peruana "Daniel A. Carrión" (*Peruvian Medical Association*): Jirón Ucayali 218; f. 1930; Dir. Dr. GILBERT MOREY S.; publ. *Revista Médica Peruana*.

Asociación Odontológica del Perú (*Odontological Association of Peru*): Lampa 306, Casilla Postal 2467; f. 1945; Pres. VÍCTOR A. CASAGRANDI; Sec.-Gen. V. RAÚL IPARRAGUIRRE; 200 mems.; publ. *Boletín* (trimensual).

British Council, The (*El Consejo Británico*): Apdo. 1608; Rep. J. K. H. HARRIMAN, O.B.E.; Asst. Dir. J. A. ROEMMELE; Functional Officer R. WATKINS; Hon. Science Officer J. F. LEVY; the Council co-operates with the Asociación Cultural Peruano-Británica in Lima and Arequipa.

Centro Bolivariano del Perú (*Bolívar Centre of Perú*): Apartado Postal 2563; f. 1960; 62 mems., 23 hon. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. Srta. LEOPOLDO MEDRANO; affiliated centres at Trujillo, Cuzco, Puno and Cerro de Pasco.

Centro Nacional de Investigaciones de Patologia Animal (*Research Institute of Animal Pathology*).

Círculo Médico del Perú (*Peruvian Medical Group*): Plaza Exposición; f. 1883; publ. *La Crónica Médica*.

Comité Nacional de la Federación Dental Internacional (F.D.I.): Edificio Dall Orso, Plaza de San Martin 917; Sec. PEDRO AYLLON.

Comité Nacional de Protección a la Naturaleza (*Nature Preservation Committee*): Apdo. de correo 2615, Lima; f. 1940; Pres. Ing. CARLOS A. BARREDA; Sec. Dr. ALBERT A. GIESECKE; 22 mems.; 11 corresponding; publ. *Boletín*.

Consejo Peruano de la Federación Odontológica Latino-Americana (F.O.L.A.) (*Peruvian Council of Federation of Latin-American Dentists*): Edificio Dall Orso, Of. 208, Plaza de San Martín 917; Pres. Dr. PEDRO AYLLÓN.

Dirección General de Meteorología del Perú (*National Meteorological Service*): Avda. Arequipa 5200, Ap. 1308, Miraflores; f. 1928; 120 primary stations; Dir.-Gen. Maj.-Gen. FAP HERNÁN SALAZAR L.; National Coordinator Maj. FAP JUAN LUMBRERAS C.; Head of Forecasting Maj. FAP JACOB DELMAR C.; Head of Operations Capt. FAP ROBERTO GONZÁLEZ S.; Head of Climatology Capt. FAP FRANCISCO CASTILLA Z.; publ. *Boletín* (annual).

Dirección Nacional de Estadistica y Censos (*Statistics Office*): Edificio del Ministerio de Hacienda y Comercio, Avenida Abancay; comprises two offices: Oficina Central and Oficina Ejecutiva del Censo; and the following divisions: Elaboration of Basic Statistics; Analysis of National Potential and Census, Economics; Dir. Dr. GREGORIO GARAYAR P.; publs. *Anuario Estadístico del Peru*, *Boletín de Estadística Peruana*.

Federación Médica Peruana (*Peruvian Medical Association*): Apdo. 4136; f. 1942; 1,230 mems.; Pres. Dr. VINCENTE UBILLÚS; Sec. Dr. LUIS G. CASTILLO; publ. *Boletín dela Federación Médica Peruana*.

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Instituto Cultural Peruano-Norte Americano (*Peruvian-North American Cultural Institute*): Jirón Cuzco 446. calle Corcovado, Apdo. 304; f. 1938; branches in Miraflores and Callao; Dir. GAYLON L. CALDWELL; 406 mems.; 4,556 students; publ. *Boletín.*

Instituto de Arte Peruano (*Institute of Peruvian Art*): Alfonso Ugarte 650; Dir. JOSÉ SABOGAL.

Instituto de Estudios Etnológicos (*Institute of Ethnological Studies*): Alfonso Ugarte 650; Dir. Prof. JOSÉ M. ARGUEDAS.

Instituto de Historia Naval del Perú (*Institute of Peruvian Naval History*): f. 1949; Dir. CONTRALMIRANTE V. CAREELEN.

Instituto de Investigaciones de Arte Peruano y Americano (*Research Institute of Peruvian and American Art*): Carabaya 133; f. 1943; Dir. Dr. RICARDO MARIÁTEGUI OLIVA.

Instituto de Urbanismo del Perú (*Institute of Town Planning*): Colmena 211, 4°; f. 1944; 69 mems.; Dir. Arq. LUIS ORTIZ DE ZEVALLOS.

Instituto Geofisico del Perú (*Geophysical Institute*): Apdo. 3747, Lima; f. 1919 as Huancayo Magnetic Observatory of the Carnegie Institute of Washington, transferred to the Peruvian Government 1947; observatories in Huancayo, Talara, Lima; co-operative agency with Ancon NASA Satellite Tracking Station, with Nat. Bur. of Standards Jicamarca Radar Scatter Station and with Smithsonian Institute Arequipa Optical Tracking Station; Chair. of Dir. Cttee. Dr. JORGE A. BROGGI; Technical Dir. ALBERTO A. GIESECKE, Jr.; publs. magnetic, ionospheric and meteorological data, seismological bulletin, miscellaneous geophysical reports, including cosmic-ray and sunspot work.

Instituto Geográfico Militár (*Institute of Military Geography*): Apdo. 2038, Lima; Dir. Col. LUIS F. MONTEZUMA DELFIN; publishes topographical, physical and political maps of Peru on various scales.

Instituto Histórico del Perú (*Peruvian Historical Institute*): f. 1905; library of 4,000 vols.; 28 mems.; publ. *Revista.*

Instituto Indigenista Peruano (*Peruvian Institute of Indian Affairs*): Avenida Salaverry, 4° piso; f. 1947; Dir. Dr. CARLOS MONGE MEDRANO; Sec.-Gen. Dr. MANUEL, D. VELASCO NÚÑEZ; publs. *Peru-Indigena* (twice-yearly), *Peru Integral* (irregular).

Instituto Nacional de Biología Andina (*National Institute of Andean Biology*): Apartado 5073; f. 1930; affiliation of the Facultad de Medicina, San Marcos Univ.; Dir. Dr. TULLIO VELASQUEZ; laboratories in Lima and Morococha, station in Huancayo; research on physiology of inhabitants of the Andes and their resistance to high altitudes, acclimatisation and fertility of animals taken to high altitudes with a view to industrial use, methods of hygiene, adaptive faculties of men at great heights, chronic mountain sickness and remedies, ecology and sociological problems.

Instituto Nacional de Investigación y Fomento Mineros (*National Institute of Mining Research and Development*): Apartado 889; the Institute was formed in 1950 by the amalgamation of the *Cuerpo de Ingenieros de Minas* with the *Instituto Geológico del Perú*; reorganised 1954; library and museum; *Divisions:* Mines and Metallurgy, Geology of Mining, Statistics and Economics of Mining, Surveying; *Laboratories:* Chemistry, Microscopy, Spectrography; plants for the concentration and refining of minerals; Dir. AUGUSTO CABRERA LA ROSA; publ. *Boletín* (bi-monthly).

Instituto Peruano de Cultura Hispánica (*Peruvian Institute of Hispanic Culture*): Jirón Ica 426; f. 1947; 300 mems.; Dir. MANUEL MUJICA GALLO; publ. *Boletín.*

Instituto Peruano de Estadística (*Peruvian Institute of Statistics*): Jirón Carabaya 607, Of. 6 and 7; f. 1943; 120 mems.; Pres. Dr. TEOBALDO UGARTE; Sec. Dr. ROSENDE CHIRINOS; publs. *Revista de Estadística Peruana* (quarterly).

Instituto Peruano de Investigaciones Genealógicas (*Institute for Genealogical Research*): Santa Luisa 205, San Isidro; f. 1945; 45 mems.; Pres. JORGE FERNÁNDEZ STOLL; Sec.-Gen. and Treas. EMILIO OLIVARES VALLE-RIESTRA; publ. *Revista.*

Instituto Sanmartiniano del Perú (*San Martin Institute of Perú*): Avenida 9 de diciembre 150; f. 1934; Dir. Dr. RICARDO CAVERO-EGUSQUIZA; publ. *Revista.*

Instituto Vizcardo de Estudios Históricos (*Vizcardian Institute of Historical Studies*): f. 1954; Dir. CÉSAR GARCÍA ROSELL; publ. *Revista.*

International P.E.N. Centre (*Centro del P.E.N. Internacional*): Apdo. 1161; f. 1940; 25 mems.; Pres. Dr. JOSÉ GÁLVEZ; Sec. FERNANDO ROMERO.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Jirón Ica, 426, Lima; Dir. Prof. ELZEARIO SILLARI.

Liga Nacional de Higiene v Profilaxia Social (*National League of Hygiene and Social Medicine*): Apdo. 2563; f. 1923; 185 mems.; 24 foreign corresp. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. SUSANA SOLANO; publs. *Dia Anitvenéreo, Jornada Peruana Antivenérea.*

Servicio de Investigación y Promoción Agraria (*Agricultural Research and Advancement Service*): Estación Experimental de la Molina, Apdo. 2791; Dir. Ing. Agr. REYNALDO A. CRESPO COSTA; Technical Sec. Ing. Agr. ALFONSO QUEVEDO; Technical staff 46; publs. *Serie de Experimentación, Serie de Boletín Técnico, Serie de Divulgación para los Agricultores, Boletín de Biblioteca.*

Sociedad de Bellas Artes del Perú (*Society of Fine Arts*). Apartado 568; Pres. LUIS M. UGARTE SALAZAR.

Sociedad de Ingenieros del Perú (*Society of Peruvian Engineers*): Av. N. de Piérola 788, Casilla 1314; Sec. Ing. ADOLFO BUSTAMANTE T.; publ. *Ingeneria* (three a year).

Sociedad Geográfica de Lima (*Lima Geographical Society*): Jirón Puno 456; f. 1888; library of 20,000 vols.; 500 mems., including corresp. and hon.; Dir. Dr. EMILIO ROMERO; publs. *Boletín, Anuario Geográfico del Perú, Bibliografía Geográfica y Oceanográfica del Perú, Diccionario Geográfico del Perú.*

Sociedad Geológica del Perú (*Peruvian Geological Society*:) Apdo. 2559; f. 1924; library of 7,500 vols.; 350 mems.; Pres. Ing. ALBERTO BENAVIDES; Sec. VÍCTOR BENAVIDES CÁCERES; publ. *Boletín* (annually).

Sociedad Nacional Agraria (*National Agricultural Society*): A. Miro Quesada 376-60 piso-Lima, Apdo. 350; f. 1824; Pres. JOSÉ CARRILLO; First Vice-Pres. MANUEL ENRIQUE YZAGA; Second Vice-Pres. CARLOS PALACIOS M.; Treas. ALEX ZARAK; Dir. CARLOS DERTEANO U.; 40 Dirs., 14 Perm. Cttees. and 1 Arbitration Tribunal; cotton, sugar, grapes and wine, rice, seeds, potato products, other crops, stock farming, economics, coffee, plants; 107 Local Comms., 9,258 mems.; publs. *Boletín* (monthly), *La Hoja Agrícola* (bi-monthly), *Memoria Anual.*

Sociedad Peruana de Alergía: Av. de la Colmena 216; Pres. Dr. ALBERTO FLORES.

Sociedad Peruana de Eugenesia (*Peruvian Society of Eugenics*): Apdo. 2563; f. 1943; 131 mems., 40 foreign corresp. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. Dr. ENRIQUE M. GAMIO; publ. *Jornada Peruana de Eugenesia.*

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Sociedad Peruana de Historia de la Medicina (*Peruvian Society of History of Medicine*): Apdo. 987; f. 1939; library and museum, primarily Peruvian collections; lectures and exhibitions of public interest; 80 mems., 30 hon. mems.; Pres. Dr. CARLOS E. PAZ SOLDÁN; Sec. Dr. J. B. LASTRES; publ. *Anales*.

Sociedad Química del Perú (*Peruvian Chemistry Society*): Carabaya 607, Casilla Postal 891; f. 1933; 400 mems.; library of 2,000 vols.; Pres. Dr. JUAN DE DIOS GUEVARA R.; Vice-Pres. Ing. ALEJANDRO FREYRE; Sec. Dr. LEONIDAS UNZUETA R.; publ. *Boletín* (quarterly).

LAMBAYEQUE

Estación Experimental Agricola del Norte (*Northern Agricultural Experimental Station*): Piaza Principal, Lambayeque; f. 1926, reorg. 1941; Dir. JOSÉ CARRERAS G.

LA PUNTA

Instituto de Investigación de los Recursos Marinos (*Research Institute for Investigation into Marine Resources*): La Punta, Callao; f. 1960; financed by UN Special Fund and Peruvian Government; Dir. Dr. TRYGVE SPARRE.

LIBRARIES AND ARCHIVES

LIMA

Archivo Nacional del Perú (*National Archives*): Palacio de Justicia, Calle Manuel Cuadros, Apdo. 1802; f. 1923; two sections, Notarial-Judicial and Historical; Dir. Dr. OSCAR MALCA OLGUIN; publ. *Revista*.

Biblioteca Nacional (*National Library*): Avenida Abancay, Apdo. 2335; founded in 1821 by the Libertador General José de San Martín; burnt down in 1943, re-opened October 1947, includes the National School of Librarians; staff 195. Possesses copies of the first printed works in Peru and the Americas; 500,000 vols., 180,000 MSS., 5,000 maps, 4,000 music scores, 6,000 photographs; Dir. R.P. RUBEN VARGAS UGARTE, S.J.; publs. *Boletín, Anuario Bibliográfico, Memoria Anual, Boletin de la Biblioteca Nacional*.

Biblioteca Central de la Pontificia Universidad Nacional Católica del Perú: Lartiga 459; Apdo. 1761; 35,000 vols.; Dir. Dr. PEDRO RODRIGUEZ CRESPO.

Biblioteca Central de la Universidad Nacional Mayor de San Marcos (*San Marcos National University General Library*): Apdo. 454; f. 16th century; the collection corresponding to the colonial period was incorporated in the *Biblioteca Pública*—now the *Biblioteca Nacional*—when the latter was founded in 1821; the Peruvian Section has valuable material on history, law, and literature; Dir. Dr. MANUEL GARCÍA-CALDERÓN; 70,000 vols.; publ. *Boletín Bibliográfico* (annual).

Biblioteca Central del Ministerio de Educación Pública (*Central Library of the Ministry of Education*).

Biblioteca de los Escritores del Perú (*Peruvian Writers' Library*).

Biblioteca del Club Arequipa (*Arequipa Club Library*): Ejercicios 105-105A, Casilla 16; f. 1871; Dir. MIGUEL ANGEL CORNEJO CHÁVEZ; 7,500 vols.

Biblioteca del Ministerio de Relaciones Exteriores y Culto (*Library of the Ministry of Foreign Affairs*): Palacio Torre-Tagle; f. 1821; 10,000 vols.; Dir. Dr. JORGE P. FERNANDINI; publ. *Boletín*.

Biblioteca Española "Luis Albizuri" (*Spanish Library*): Spanish Consulate, Apdo. 641; f. 1932; 6,000 vols.

CALLAO

Biblioteca de la Escuela Naval del Perú (*Naval School Library*): f. 1914; Librarian C. DE C. HUMBERTE SILVA NOVOA; specialised library of 3,000 vols.

CUZCO

Archivo Historico: Universidad Histórico; Dir. Dr. JORGE CORNEJO BOURONCLE; Paleographer JOSÉ PACHECO.

COMMISSION

Comisión de Bibliotecas Populares del Secretariado de Prensa de la Acción Católica Peruana (*Commission of People's Libraries, Press Office of Catholic Action of Peru*): Lima; f. 1938; Pres. Dr. PEDRO BENVENUTTO M.; has two Bibliotecas Populares "Inca Garcilaso", one in Barrio Obrero del Puente del Ejército, the other at Avda. San Martín 490.

MUSEUMS

LIMA

Museo Arqueológico "Rafael Larco Herrera" (*Archæological Museum*): Avenida Bolivar 1515, Pueblo Libre, Lima; f. 1926; library of 10,000 vols.; Curator CLAUDIO HUARACHE; Dir. RAFAEL LARGO HOYLE, author of *Los Mochicas* and monographs on Cupisnique, Virú, Salinar, and Mochica cultures, Peruvian and Mochica writings on "pallares", that is, secret messages written on the flat faces of large beans; 37,000 exhibits of ceramics, 50,000 of gold, silver, copper, lead, wood, stone objects, textiles, etc.; exhibits relating to the above cultures, discovered by the Director, include the Chimú gold apparel and the portrait heads; largest collection of Peruvian antiques in the world.

Museo de Arte (*Museum of Art*): Paseo Colón, 125; inaugurated in its present form in 1961; 10,000 exhibits of Peruvian art from its origins to the presend day; Pre-Hispanic Epoch: ceramics, carvings, Paracas woven material dating from 400 B.C.; Colonial Epoch: furniture, ornaments, paintings, religious art; Modern Epoch: furniture and paintings from the 19th century to the present day; Dir. FEDERICO KAUFFMANN DOIG.

Museo Nacional de la República (*National Museum*): Pueblo Libre-Plaza Bolivar; Dir.-Gen. Dr. LUIS E. VALCARCEL; historical collections of the 19th century.

Museo de Arte Italiano (*Museum of Italian Art*): Paseo de la República; f. 1921.

Museo de Historia Natural "Javier Prado" (*"Javier Prado" Natural History Museum*): Universidad Mayor de San Marcos, Av. Arenales 1256, Apdo. 1109; f. 1918. library of 5,000 vols.; Dir. Dr. RAMON FERREYRA H.; publ. *Serie "A" Zoología, Serie "B" Botanica, Serie "C" Geología y Memorias*.

Museo de Yacimientos Minerales y Metalíferos de la Escuela Nacional de Ingenieros (*Museum of Mineral and Metallic Deposits of the National School of Engineering*): f. 1891; Dir. Prof. J. F. AGUILAR-REVOREDO.

Museo de la Cultura Peruana (*Museum of Peruvian Culture*): Avda. Alfonso Ugarte 650, Apdo. 3048; f. 1946; library of 5,000 vols.; Dir. Dr. LUIS E. VALCARCEL.

Museo del Instituto Nacional de Investigación y Fomento Mineros del Ministerio de Fomento y Obras Públicas (*Museum of the National Institute of Mining Research and Development*): Camilo Carrillo 300; Dir. DIMITRY KARATEEFF.

Museo del Virreynato (*Museum of the Viceroys*): Convento de Santo Tomás; f. 1906; Dir. Dr. LUIS E. VALCARCEL; exhibits relating to the period of the Spanish Viceroys; publ. *Revista*.

Museo Geológico de la Universidad Nacional de Ingeniería del Perú (*Geological Museum of the National University of Engineers*): Camino Ancón; incorporates the Raymondi collections; Dir. Ing. ALEJANDRO FREYRE V.; publ. catalogues.

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Museo Nacional de Antropología y Arqueología (*Anthropological and Archæological Museum*): Pueblo Libre; f. 1936; Dir. Dr. JORGE C. MUELLE; Sec. JUAN ALVAREZ SAURI; publs. *Revista del Museo Nacional de Antropología y Arqueología, Arqueologicas.*

Museo Nacional de Historia (*National Historical Museum*): Avda. Alfonso Ugarte 650; f. 1906; Dir. Dr. LUIS E. VALCARCEL; publ. *Revista.*

Museo Postal, Filatélico y Numismático del Perú (*Postal, Philatelic and Numismatic Museum*): Palacio de la Exposición; Dir. VÍCTOR CHÁVEZ ZAMUDIO.

Pinacoteca Municipal "Morino" (*Municipal Art Gallery*): Avenida Petit Thouars.

COMMISSIONS

Consejo Nacional de Conservación y Restauración de Monumentos Históricos y Artísticos (*National Council for the Preservation and Restoration of Historic and Artistic Monuments*): Quinta de Presa-Jiron Chira 344, RIMAC, Lima; f. 1939; Pres. R.F. RUBEN VARGAS UGARTE, S.J.; publ. regulations and leaflets on monuments and their preservation.

Patronato Nacional de Arqueología (*State Department of Archæology*): 11° piso del edificio del Ministerio de Educación Publica, Lima; for the protection and conservation of the archæology of the country.

ANCASH

Museo Arqueológico de Ancash (*Archæological Museum*): f. 1936; Dir. Dr. AUGUSTO SORIANO INFANTE; 3,100 exhibits including 400 stone carvings and megalithic statues from Huarás; publ. *Memoria*; small library.

AREQUIPA

Museo de Cayma (*State Museum*): archæological, ethnological, historical.

AYACUCHO

Museo Histórico Regional de Ayacucho (*Regional Historical Museum of Ayacucho*): f. 1946; archæology, anthropology, history and popular crafts; library of 2,588 vols. (including bound periodicals, etc.); Dir. CÉSAR O. PRADO; Curator ISAAC A. ARONÉS HUAMANTINCO; publ. *Anuario.*

CALLAO

Museo Histórico Militár del Perú (*History of the Army Museum*): Castillo del Real Felipe, built under the Viceroys, unique in South America; f. 1946; collections date from 1730; Dir. OSCAR DIEZ VALDEZ.

CUZCO

Museo e Instituto Arqueológico de la Universidad Nacional del Cuzco: Dir. Dr. LUIS A. PARDO.

Museo Virreynal del Cuzco (*Museum of the Viceroys*): f. 1946.

HUÁNCAYO

Museo Histórico (*Historical Museum*).

HUÁNUCO

Museo-Biblioteca "Leoncio Prado": 2 de Mayo y Tarapacá; f. 1945; ethnological museum being organised; Curator RICARDO E. FLORES.

ICA

Museo Regional (*Regional Museum*).

LAMBAYEQUE

Museo Arqueológico "Bruning" de Lambayeque (*"Bruning" Archaeological Museum*): Calle 2 de Mayo 48; f. 1924; nearly 8,000 exhibits, of which 1,366 gold, 110 silver; textile, ceramic, wooden and stone pieces; two unique blue and black granite mortars incised with mythological figures in "Chavin" style; Dir. ANGEL E. GONZÁLEZ.

MAGDALENA VIEJA, LIMA

Museo Bolivariano (*Museum of Bolívar Relics*).

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Catacora Morales, Dr. Alfredo (Analytical Chemistry).
Delgado Aragón, Ing. Oscar (Unitary Operations).
Espinoza Carrillo, Br. Manuel (Industrial Organic Chemistry).
Gonzalez Willis, Dr. Alfredo (Physics).
Gonzalez Willis, Dr. Enrique (General Metallurgy).
Gúzman Rojas, Ing. Felipe (Building Materials).
Kalafatovich Valle, Dr. Carlos (General Geology and Petrology).
Kuon Cabello, Dr. Jorge (Bromatology).
Ladron de Guevara, Ing. Oscar (Descriptive Geometry).
Latorre Luna, Srta. Hirma (Line Drawing).
Luizar Fernandez, Ing. Orestes (Unitary Processes).
Marmanillo Velasco, Ing. Eduardo (Mathematics).
Mayo la Rosa, Dr. Horacio (Analytical Geometry).
Montesinos Vasquez, Dr. Ernesto (Organic Chemistry).
Palacio Pimentel, Dr. Gustavo (Industrial Legislation).
Salas Rodríguez, Dr. Juvenal (General Mineralogy).
Velasco Quintanilla, Br. Manuel (Mathematics).
Villafuerte Romero, Br. Orestes (Electrical Engineering).

Faculty of Civil Engineering:
Acurio, Ing. Guido (Water Supply).
Aguilar Astete, Ing. Leonidas (Special Topography).
Cahuana Quito, Ing. Belisario (Irrigation).
Chambi, Arq. (Technical Drawing).
Galimberti Olazo (Urban Architecture).
Gallegos Guevara, Ing. Armando (Reinforced Concrete).
Gomez Palza, Ing. Carlos (Bridges).
Guarnizo, Ing. Carlos (Buildings).
Guzman Rojas, Ing. Felipe (Building Materials).
Heredía, Ing. Oswaldo (Buildings).
Ladrón de Guevara, Arq. Oscar (Descriptive Geometry).
Latorre Luna, Srta. Hirma (Lineal Drawing).
Marmanillo Velasco, Ing. Eduardo (Mathematics).

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Mayo la Rosa, Br. Horacio (Analytical Geometry).
Ochoa Guevara, Ing. Justo (Railways and Airports).
Pacheco Acuna, Ing. Roberto (Soil Mechanics).
Ramirez P., Dr. Jose Angel (Applied Geology).
Ramirez Pareja, Dr. Jose A. (Physical Geology).
Rothgeisser Hansen, Dr. Hans (Cosmography and Astronomy).
Ugarte, Ing. Abelardo (Pavements).
Ugarte, Ing. Guillermo (Engineering Economics).
Ugarte Velasco, Ing. Abelardo (Roads).
Várgas Castro, Cont. Ricardo (Accountancy and Organisation of Undertakings).
Vargas López, Victor (General Topography).
Velarde, Mayor Ing. Moises (Military Engineering).
Velásquez Collado, Ing. Hector (Hydraulics).
Valencia, Ing. Orestes (Soil Mechanics).
Velasco Quintanilla, Dr. Isaac (Infinitesimal Calculus).
Velasco Quintanilla, Br. Manuel (Mathematics).
Velásquez Collado, Ing. Hestor (Hydraulics).
Yana Ticona, Ing. Julio (Irrigation).
Zarate, Ing. Francisco (Hydraulics).

Faculty of Agronomy:
Blanco Galdos, Ing. Oscar (Agricultural Machinery).
Calderón Perez, Dr. Mario G. (Dairy Products).
Calero del Mar, Ing. Basilides (Viticulture).
Carrasco Zamora, Dr. Francisco (Agricultural Entomology).
Carrillo Pezo, Dr. Efrain (Systematic Botany).
Catacora Morales, Dr. Alfredo (Analytical Chemistry).
Ceballos Bendezú, Dr. Ismael (Zoology).
Climaco Monteagudo, Ing. Juan (Special Fruit Cultivation).
Coronel, Br. Alfredo (Mathematics).
Fernández Baca D., Ing. Abraham (Bovine Studies).
Gallegos Guevara, Ing. Armando (Rural Buildings).
Garmendia Lorena, Ing. Antonio (Phytopathology).
Garnica Tohalino, Br. Guillermo (Soil Science).
Kalafatovich Valle, Dr. Carlos (Agricultural Geology).
Kuon Cabello, Dr. Jorge (Phytochemistry).
Liendo Robles, Ing. Efrain (Horticulture).
Marín Moreno, Dr. Felipe (Agricultural Botany).
Martinez Solis, Dr. Ramon (Animal Anatomy and Physiology).
Mendiburo Romainville, Ing. Rene (Fruit Cultivation).
Mendoza Aytel, Dr. Juvenal (Organic and Inorganic Chemistry).
Morales Aramburu, Ing. Zosimo (General Mechanics).
Paliza Gallegos, Cont. Andres (Rural Administration and Accountancy).
Paliza Naola, Dr. Alejandro (Farming Industries).
Noriega Diaz, Dr. Alfredo (Analytical Geometrical Calculus).
Pacheco Gamendia, Ing. Hugo (Agricultural Microbiology).
Rivero Luque, Ing. Victor T. (Industrial Cultivation).
Saldivar Acuña, Ing. Efrain (Forage Cultivation).
Samánez Richter, Ing. Ignacio (Silviculture).
Tejado Mercado, Dr. Hugo (General Zoology).
Tupayuchi Gastelú (Agricultural Legislation).
Velásquez Collado, Ing. Hector (Agricultural Topography).
Zamalloa Díaz, Br. Horacio (Botany).
Zuñiga Roca, Br. Celso (Physical Geography).

UNIVERSIDAD NACIONAL MAYOR DE SAN MARCOS DE LIMA

APDO. 454, LIMA

Founded 1551.

Rector: Dr. Luis Alberto Sánchez.
Vice-Rector: Dr. Mauricio San Martin.
Secretary-General: Dr. Florentino Ciudad.

Number of teachers: 1,300.
Number of students: 14,300.

Deans:

Faculty of Law: Dr. Luis A. Brammont Arias.
Faculty of Medicine: Dr. Alberto Cuba Caperó.
Faculty of Letters: Dr. Jorge Puccinelli.
Faculty of Science: Dr. Rafael Dávila Cuevas.
Faculty of Economics and Commerce: Dr. Emilio Romero.
Faculty of Pharmacy and Biochemistry: Dr. Juan de Dios Guevara.
Faculty of Odontology: Dr. Angel Ocampo Eguren.
Faculty of Education: Dr. Manuel Arguelles E.
Faculty of Chemistry: Dr. Agustín Iza Arata.
Faculty of Veterinary Medicine: Dr. Manuel Moro Sommo.

Biblioteca Central: Dir. Dr. Alberto Banavides Balbin.
Museo Nacional de Antropologia y Arqueologia: Dir. Jorge C. Muelle.
Museo de Historia Natural "Javier Prado": Dir. Dr. Ramon Ferreyra H.
Archivo Central: Dir. Dr. Carlos Daniel Valcarcel.

Professors:

Faculty of Law:
Abasto, Manuel G. (Penal Law).
Acevedo, Ismael (Registral and Notarial Law).
Alsamora, Mario (Legal Procedure, Introduction to Law, Civil Law).
Aparicio, Germán (Civil Law Procedure).
Arias, Max (Civil Law).
Bambaren, Carlos A. (Criminology and Reformative Methods).
Bramont, Luis (Penal Law).
Boggio Amat y Leon, René (Civil and Comparative Law).
Castañeda, Jorgete (Civil Law).
Castillo, Luciano C. (Financial Law).
Cisneros, Máximo (Commercial Law).
Fernandez, Carlos (Civil Law).
Garcia, Manuel (International Private Law).
Garcia, Guillermo (International Law).
Garcia, Domingo (Penal Law).
Heraud, Luis (Civil Law).
Herrera, Dario (Political and Constitutional Law).
La Hoz, Ricardo (Civil Law).
Lanatta, Rómulo E. (Civil Law).
Leon Barandiaran, José (Civil Law).
Maurtua, Victor (Rural Law).
Montoya, Ulises (Commercial Law).
Seguin, Carlos A. (Juridicial Psychology).
Ugarte del Pino, J. Vicente (History of Peruvian Law).
Valarde, Leonidas (Civil Law Procedure).

Faculty of Medicine:
Bedoya, Mariano (Gynæcology).
Castañeda, César (Radiology).
Colichon, Hector (Bacteriology).
Cuba C., Alberto (Pathology).
Lanfranco, Carlos N. (Medicine).
Navarrete, Enrique (Urology).
Pesce, Hugo (Tropical Medicine).
Quesada, Fortunato (Surgery).
Quiroz, Carlos (Social Sciences).
San Martin, Mauricio (Genetics).
Sequín, Carlos A. (Psychology).
Villamón, Froilán (Obstetrics).
Yori, Carlos (Surgery and Oto-Rhino-Laryngology).
Zegarra, José (Obstetrics).

Faculty of Letters:
Alarco, Luis Felipe (Metaphysics, Ethics).
Alvarez, Félix (History of Peru).
Argüelles, Manuel (Contemporary Philosophy).
Arróspide de la Flor, César (History of Music).
Barboza, Enrique (Interpretation of Philosophical Texts).
Beltroy, Manuel (Medieval and Modern Literature, Introduction to Art).
Benvenutto Murrieta, Pedro (General Linguistics).
Cisneros, Luis Jaime (Spanish Literature).
Davila, Rafael (Climatology).
Dávila, Víctor (General and Peruvian Geography).
Escobar, Alberto (Interpretation of Literary Texts).
Festini, Nelly (Aesthetics).
García, Uriel (History of American and Peruvian Art).
Hildebrandt, Martha (General Spanish Phonetics).
Ismodes, Anibal (Sociology).
Li Carrillo, Victor (Ancient Philosophy).
Jiménez Borja, José (Spanish).
Matos Mar, José (Ethnology).

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MEJIA, JOSÉ (Sociology).
MENESES, TEODORO (Quechua).
MIRÓ QUESADA, FRANCISCO (Logic, Introduction to Philosophy).
MUELLE, JORGE (Ethnology).
NEUHAUS RIZO PATRÓN, CARLOS (American History).
NUÑEZ, ESTUARDO (Introduction to Literature).
PEÑALOZA, WALTER (Philosophy).
PUCCINELLI, JORGE (Contemporary Literature, American Literature).
PULGAR, JAVIER (Geography of Peru).
RADICATTI, CARLOS (Sources of Universal History).
RIVERA, RAÚL (History of Peru).
ROSELLI, BRUNO (History of Art).
RUSSO, JOSÉ (Metaphysics).
SACO, GUSTAVO (Psychology).
SALAZAR, AUGUSTO (Philosophy).
SANCHEZ, LUIZ A. (American History and Literature).
TAMAYO VARGAS, AUGUSTO (Peruvian, General and Latin Literatures).
TAURO DEL PINO, ALBERTO (Introduction to History).
TEMPLE, ELLA DUMBAR (History of Peru and Peruvian Institutions).
TOLA MENDOZA, FERNANDO (Latin, Greek Literature).
TOWNSEND, ANDRES (History of America).
UGARTE, GUILLERMO (Spanish).
UGARTE, MIGUEL A. (Spanish).
VALCÁRCEL, CARLOS D. (Philosophy of History, Peruvian Historical Sources).
VELLARD, JEHAN (South American Ethnology).
VILLAR, PEDRO (Archæology).
ZAVALETA, CARLOS (English Literature).

Faculty of Science:
ALBERCA, ALEJANDRO (Geology).
AMPUERO AGUAYO, JOSÉ (Applied Mathematics).
AYULO, VICTOR (Microbiology).
BLANCAS, FORTUNATO (Zoology).
BUENO, ANTERO (General Physics).
DÁVILA CUEVAS, RAFAEL (Meteorology, Climatology, Astronomy).
FERREYRA HUERTAS, RAMÓN (Plant Ecology and Systematic Botany).
GARCÍA LLAQUE, JOSÉ FLAVIO (Comparative Anatomy Biology).
GÓMEZ SÁNCHEZ, JOSÉ DOMINGO (Rational Mechanics, Descriptive Geometry).
HERRERA MARQUIS, OSCAR (Inorganic Chemistry).
MIRÓ QUESADA, FRANCISCO (Philosophy and History of Mathematics).
NÚÑEZ BAZALAR, TOMÁS (Advanced Mathematics).
OTERO, ALFREDO GUILLERMO (Physical Chemistry).
REÁTEGUI PAGE, ARTURO (Physics, Physics applied to Biology).
SAN MARTÍN, MAURICIO (Genetics).
SILGADO, ENRIQUE (Geophysics).
SOUZA PEIXOTO, EDUARDO (Biology).
TAPIA FRESES, ALEJANDRO (Organic Chemistry).
TOLA PASQUEL, JOSÉ (Functional Analysis, Algebra).
VÁSQUEZ ROJO, HERNANDO (Calculus of Probabilities).
VEGA VILLANUEVA, FLAVIO (Analytical Geometry).
VELARDE, OCTAVIO (General Botany).

Faculty of Economics and Commerce:
ARCE MAS, JORGE (Principles of Private Law).
BUZZIO, HERLESS (General Economic History).
CABRERA CHARÚN, ELOY (Political Economy, Economic and Financial History of Peru).
CAPUÑAY, CARLOS (Peruvian Finance, Political Economy).
CHÁVEZ CABELLO, JULIO (Finance).
FIGUEROA ACOSTA, ALEJANDRO (General Economic Geography, Peruvian Economics).
GARAYAR, GREGORIO (Economic Analysis).
GARCÍA RADA, DOMINGO (Peruvian Economic Legislation).
LAURIE SOLIS, LUIS (Principles of Public Law).
MERINO LLANOS, ALBERTO (Public and General Accountancy).
PALACIOS, LEONCIO (Applied Statistics).
PASTOR DÁVILA, FRANCISCO (Economic Geography of Peru).
PÉREZ SANTISTEVAN, VÍCTOR (Consular and Customs Administration).
PICASSO RODRÍGUEZ, LUIS (International Law).
ROMERO, EMILIO (Economic Geography, Economic and Financial History of Peru).
C. P. SANTA CRUZ, JUVENAL (Auditing).
URETA DEL SOLAR, GUILLERMO (Peruvian Tax Legislation).
VALDEZ TUDELA, NAPOLEÓN (Labour Legislation).
VALLO, VICTORIO (Statistical Methods, Financial and Actuarial Mathematics).
VILLANUEVA, GERMÁN ANTONIO (International Commerce).
ZÁRATE, FIDEL A. (Political Economy).

Faculty of Pharmacy and Biochemistry:
ALVAN, HUMBERTO (Deontology, Pharmaceutical Legislation and History).
BAMBARÉN, CARLOS A. (Pharmacology).
CASTILLO, FRANCISCO (Inorganic Chemistry).
CHÁVEZ, SIXTO ALFONSO (Industrial Pharmaceutics).
FELDMUTH, GUILLERMO (Bacteriology and Parasitology).
GARRIDO, MARCO ANTONIO (General Biochemistry).
GUEVARA, JUAN DE DIOS (Organic Chemistry).
GURMENDI, GONZALO (Qualitative Chemical Analysis).
HARRISON, JACK (Materia Medica).
HERRERA, MARCOS (Toxicology).
INDACOCHEA, VÍCTOR (Functional Chemistry).
LLERENA, ADRIÁN (Quantitative Chemical Analysis).
LÓPEZ GUILLEN, JULIO (Botany).
MONTESINOS, FERNANDO (Experimental Pharmacology).
MUÑOZ, ANTONIO (Clinical Analysis).
OLAZÁBAL, LUIS DE (Galenic Pharmacy).
PAYVA, CARLOS A. (Special Bromatology).
PÉREZ ALVA, ALBERTO (Higher Mathematics).
PÉREZ ALVA, SIMÓN (Bacteriology, Immunology).
PORTUGAL, RAÚL (Pharmaceutical Administration).
ROSA, PEDRO A. LA (Inorganic Chemistry).
VALLIER, MIGUIEL (Physics).

Faculty of Odontology:
AGUILA PARDO, EDUARDO (Surgical Nosography).
AVENDAÑO, JORGE (General Histology and Embryology).
AYLLÓN, PEDRO (Periodontics).
CALDERON, GERARDO (Histology).
GARCIA, OSCAR (Stomatology).
LÓPEZ, JESÚS D. (Pharmacology, General Therapeutics).
MACHADO NEVES, EDUARDO (Technology of Dental Prosthetics).
MANRIQUE, VITALIANO (Biochemistry).
MIGONE, ALFIERI (Physiology, Dietetics and Nutrition).
MOGROVEJO, JOSÉ L. (Dental Prosthetics).
MORALES, JULIO (Microbiology).
OCAMPO EGUEREN, ANGEL (Operative Dentistry).
PEZO, JOSÉ ANTONIO (Human Anatomy).
PLAZA, FELIPE L. (Surgery).
RODRÍGUEZ, RAQUEL I. DE (Child Dentistry).
RONQUILLO, OSIDRO (Dental Prosthetics).
TAIMAN VILLAR, AUGUSTO (Orthodontics, Dental Legislation).
VILLALOBOS, EDUARDO.

Faculty of Education:
ALARCO, LUIS FELIPE (Philosophy of Education).
ANGLES, CIPRIANO (Statistics).
ARGÜELLES, MANUEL (Child and Adolescent Psychology).
BARRANTES, EMILIO (Methodology of History, General Pedagogy).
CLAVO RIVERA, CARLOS (Methodology of Mathematics).
CORONADO ARRASCUE, PEDRO (Methodology of Biological Sciences).
FESTINI ILLICH, NELLY (Art in Education).
GUERRA, LUIS A. (Mental Hygiene).
JIMÉNEZ BORJA, JOSÉ (Methodology of Spanish).
KOCH FLORES, ROBERTO (School Legislation).
LOLI GUZMÁN, GUILLERMO (Methodology of Geography).
REBAZA, ALFREDO (Geography).
RODRÍGUEZ CAVERO, LUIS (School Hygiene).
RONDINEL, VÍCTOR (Methodology of Physio-Chemical Sciences).
SACO, GUSTAVO (Sociology).
SALAZAR, AUGUSTO (Philosophy).
SOLARI S., ENRIQUE (Psychology of Education, Vocational Guidance).
VALCARCEL, CARLOS D. (History of Peruvian Education).
VELIT, CARLOS (Problems of National Education).

Faculty of Chemistry:
AGUILAR, LUCIO (Mechanical Processing, Flotation).
ALVA SALDAÑA, LUIS (Unit Processing).
CANCINO, JOSÉ MARÍA (Organic Chemistry).
DAFIENO, MAX (Physical Chemistry).
DIAS, CÉSAR (Analytical Chemistry).

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FERRECIO, ANTONIO (Applied Electricity).
FREYRE, ALFONSO (Analytical Geometry).
FURMAN, ISAAC (Industrial Electrochemistry).
GINDA, DANTE (Organic Chemistry).
GIBAJA, SEGUNDO (Organic Chemistry).
GURMENDI, GONZALO (Special Inorganic Analysis).
HUARINGA, MESÍAS (Physics).
IZA, AGUSTÍN (Quantitative Chemical Analysis).
LLERENA, ADRIÁN (Inorganic Chemistry).
NÚÑEZ BAZALAR, TÓMAS (Calculus).
PONS, GASTÓN (Physical Chemistry).
RIVAS, JAVIER (Analysis).
RUIZ, HOMERO (Mathematics).
SANCHEZ, DAGOBERTO (Physiochemistry).
SARMIENTO, JOSÉ (Resistance of Materials).
SOTILLO, CÉSAR (Descriptive Geometry).
SUCCAR, JORGE (Industrial Planning, Economics of Engineering).
TANTALEAN, GUILLERMO (Metallurgy).

Faculty of Veterinary Medicine:
ALENCASTRE ALVARADO, JULIO (Veterinary Hygiene, Infectious Diseases).
AYLLÓN RODRÍGUEZ, GUSTAVO (Medical Pathology).
BARÚA CASTAÑEDA, JAVIER (Biochemistry).
CHÁVEZ GARCÍA, CARLOS (Parasitology).
COPAIRA BELTRAN, MARCOS (Histology and Embryology).
CUBA CAPARÓ, ALBERTO (Pathology, Histology, Embryology).
INZÚA HOYOS, MOISÉS (Inspection of Meat, Anatomy).
KAFKA, HELLMUT (Obstetrics).
MORO SOMMO, MANUEL (Bacteriology).
NARVAEZ, CARLOS (Surgical Pathology).
RAKOWER, MARECK (Medical Pathology, Clinical Diagnosis).
RAMOS SACO, TEODORO (Parasitic Diseases).
RUIZ URBINA, HUMBERTO (Pharmacology and Therapeutics, Surgery).
SAN MARTÍN, MAURICIO (Genetics).
SUÁREZ FRANCO, EDILBERTO (Surgery).
TELLO GARUST, ARTURO (Bird Diseases, Aviculture).
VALLENAS, GUILLERMO A. (Physiology).
VEGA DÍAZ, ELMO DE LA (Pathology).
VELARDE NÚÑEZ, OCTAVIO (Medical Botany, Agrostology).

PONTIFICIA UNIVERSIDAD NACIONAL CATÓLICA DEL PERÚ

APARTADO POSTAL 1761, LIMA

Founded 1917.

Rector: Mgr. FIDEL TUBINO MONGILARDI.
Pro-Rector: Dr. VÍCTOR ANDRÉS BELAÚNDE.
Secretary-General: Dr. ERNESTO PERLA VELAOCHAGA.
Librarian: R.P. VALENTÍN TRUJILLO.

Number of students: 2,500.

Publications: *Anuario, Revista, Derecho, Revista de Educación, Boletín del Instituto Riva Aguero, Vida Universitaria.*

DEANS:

Faculty of Letters: Dr. JOSÉ AGUSTÍN DE LA PUENTE Y CANDAMO.
Faculty of Engineering: Ing. RICARDO REY POLIS.
Faculty of Law: Dr. DOMINGO GARCÍA RADA.
Faculty of Economics and Commerce: Ing. NUMA LEÓN DE VIVERO.
Faculty of Education: Dr. AURELIO DEL CORRAL SALCEDO.

PROFESSORS (*Titulares*):

Faculty of Letters:
ALZAMORA VALDEZ, MARIO (General Psychology, Metaphysics).
ARRÓSPIDE DE LA FLOR, CÉSAR (Aesthetics).
BARANDIARÁN, LUIS ALBERTO (Biology and Anthropology).
BUSTO VARGAS, JORGE DEL (Sociology, Modern Philosophy).
CARAVEDO CARRANZA, BALTASAR (Experimental Psychology).
CAVAZZANA, JUAN (Classical Literature).
LINDER, PAUL (History of Art).
MAC GREGOR, FELIPE (Ethics).
PINILLA SÁNCHEZ CONCHA, ANTONIO (Philosophy).
PUCCINELLI, JORGE (Literature).
PUENTE Y CANDAMO, JOSÉ A. DE LA (History of Peru).
RIESCO, DOLORES (Philosophy of Science).
VIDAL, LEOPOLDO (Literature).

Faculty of Engineering:
FERNÁNDEZ, PABLO (Drawing).
GIUFFRA, FERNANDO (Infinitesimal Calculus).
HARMSEN, TEODORO (Reinforced Concrete).
NUÑEZ VALDIVIA, JOSÉ (Resistence of Materials).
PÉREZ DEL POZO, ROBERTO (Town Planning).
REY POLIS, RICARDO (Analytical Geometry).
VALENCIA, RICARDO (Structures and Bridges).

Faculty of Law:
BIELICH FLÓREZ, ISMAEL (Civil Law).
ECHECOPAR GARCÍA, LUIS (Civil Law).
FERRERO REBAGLIATI, RAÚL (General and Comparative Constitutional Law).
GARCÍA RADA, DOMINGO (Civil Procedure).
LEÓN MONTALBÁN, ANDRÉS (Commercial and Maritime Law).
LITUMA, LUIS (Public Ecclesiastical and Canon Law).
PERLA VELAOCHAGA, ERNESTO (Civil Law).
PIAGGIO, HUGO (Penal Law).
TUBINO MONGILARDI, FIDEL (Philosophy of Law).
VARGAS MATA, RAÚL (Penal Procedure).
VEGA GARCÍA, JORGE (Private International Law).
VELARDE ALVÁREZ, LEONIDAS (Civil Procedure).

Faculty of Economics and Commerce:
BERNALES BEDDYA, HERNÁN (Financial Legislation).
CANALETTI, PRIMO CÉSAR (Auditing, Accountancy).
CASTILLO, JUAN LINO (Finance).
DERTEANO, CARLOS (Agricultural Economics).
GARAYAR, GREGORIO (Economic Theory).
JELICIC, JORGE (Public Finance).
KRUMDIECKLATORRE, JOSÉ LUIS (Mathematics).
LEÓN DE VIVERO, NUMA (Mercantile Banking).
MASEDA VARGAS, JOSÉ LUIS (Accountancy).
RADICATI, CARLOS (Cultural and Economic History).
RUSZKOWSKI, ANDRÉS (Economic Theories).
VARGAS VARGAS, JAVIER (Labour and Industrial Legislation).

Faculty of Education:
ALARCO LARRABURE, GERARDO (Educational Psychology).
ARRIETA BALAGUER, ALEJANDRO (School Hygiene).
CORRAL SALCEDO, AURELIO DEL (Advanced Geography).
GASTÓN, MARIA (Child and Adolescent Psychology).
IBARRA, JUAN TEÓFILO (General Pedagogics, History of Education).
SARDÓN A., MIGUEL A. (Intelligence Tests).
VILLARÁN RIVERA, MARIO (Methodology of History and Geography).

UNIVERSIDAD NACIONAL DE SAN AGUSTÍN

CALLE SAN AGUSTÍN 104, AREQUIPA

Founded 1828.

Rector: ALFREDO CORSO MASÍAS.
Vice-Rector: Dr. CARLOS A. BENAVIDES.
Secretary: Dr. MANUEL ZEVALLOS VERA.
Treasurer: Dr. EDUARDO BELAÚNDE HARMSEN.
Librarian: Dr. VLADIMIRO BERMEJO.

Library: 18,899 volumes, 19,546 periodicals.
Publication: *Revista Universitaria* (six-monthly).

There are Faculties of Philosophy, History and Letters; Law and Political Science; Science; Education; Economic and Commercial Science; Medicine.

UNIVERSIDAD NACIONAL DE SAN CRISTOBAL DE HUAMANGA

AYACUCHO

Founded 1677

Rector: Dr. EFRAIN MOROTE BEST.
Vice-Rector: Ing. LUIS GONZALEZ CARRE.
Secretary-General: Dr. JUAN A. ZAMUDIO MEDINA.
Librarian: Srta. CHERRY HIROSE.

Number of teachers: 60.
Number of students: 600.
Publications: *Boletines.*

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DEANS:

Faculty of Natural Sciences: Ing. ANGEL DIAZ CELIS.
Faculty of Social Sciences: Dr. LUIS LUMBRERAS SALCEDO.
Faculty of Engineering: Ing. CARLOS CALDERÓN CHAMOCHUMBI.

PROFESSORS:

ALIBRANDI VIVANCO, Dr. JOSE A. (Medicine).
AYALA CARRASCO, Srta. LUZ (Social Services).
BARRERA DELGADO, Dr. ARMANDO (Philosophy).
BARRON DOLORIER, Dr. DANIEL (Pedagogy).
BURNS, Dr. DONALD (Linguistics).
CARDENAS LUDENA, Dr. ABILIO (Medicine).
CASANOVE SILVA-RENARD, Dr. RENE (Language and Literature).
CASTILLA MEZA, Ing. JORGE (Mathematics).
DALY ROMERO, Dr. LUIS (Language and Literature).
DELGADO OLAECHEA, Ing. JORGE (Geology).
ELEJALDE ZEA, Dr. ALFONSO (Economics).
ESCARCENA DE ISHIKAWA, Sra. ROSA (Social Service).
ESCOBAR MOSCOSO, Dr. GABRIEL (Anthropology).
GALARZA MINAYA, Dr. TOMAS (Anthropology).
GUZMAN REYNOSO, Dr. ABIMAEL (Psychology).
ISHIKAWA TRIVENO, Ing, ROBERTO (Zoology).
LAWRENCE SIMMONDS, Dr. JOHN (English Idiom).
MANRIQUE GAMERO, Dr. RAUL (Biology).
MARTINEZ GAMARRA, Ing. ALFREDO (Chemistry).
MARTINEZ OTAYZA (Physics).
MONTENEGRO VILCHEZ, Ing. VICTOR (Chemistry).
MOYA BENDEZU, Ing. ENRIQUE (Zoology).
MUSTATA HOYLE, Ing. MIGUEL (Topography).
RIVERA PALOMINO, Dr. JAIME (Geography).
RODRIGUEZ ARROYO, Srta. LERIDA (Chemistry).
RODRIGUEZ SUY SUY, Dr. VICTOR (Sociology).
SEGOND CRABBE, Sra, MARYLA (English-French Idiom).
SILVA SANTISTEBAN BERNAL Dr. FERNANDO (History).
TORRES ZUNIGA, Ing. PEERO (Mining).
TUPAYACHI MEDINA, Dr. ISAAC (Mathematics).
VELASQUEZ LOPEZ, Dr. ROBERTO (Mathematics).
VILLAVICENCIO WITTEMBURY, Dr. ALVARO (Pedagogy).
VIVANCO ROBLES, Dr. PIO (Pedagogy).

UNIVERSIDAD NACIONAL DE TRUJILLO

CALLE DIEGO DE ALMAGRO, TRUJILLO

Founded 1824 by Simón Bolívar.

Rector: Dr. S. VIRGILIO VANINI DE LOS RIOS.
Secretary-General: Dr. JULIO RODRIGUEZ Y RODRIGUEZ.
Librarian: ROBERTO GUTIÉRREZ VERA

Library of 23,382 volumes, 40,177 periodicals and pamphlets.

ACADEMIC DIRECTORS AND DELEGATES TO THE UNIVERSITY COUNCIL:

Faculty of Letters and Education: Dr. MAURO HERRERA CALDERÓN.
Faculty of Law: Dr. CANDELARIO MENDOZA NIQUE.
Faculty of Science: Ing. ALFONSO CHÁVEZ CABRERA.
School of Chemical Engineering: Ing. ARTURO CÁRDENAS.
School of Pharmacy and Biochemistry: Ing. WERNER GORBITZ ARBULÚ.
Higher School of Economics and Commerce: (Vacant).
Faculty of Medicine: Dr. HERACLIO OLGUIA PINILLOS.

UNIVERSIDAD NACIONAL DE INGENIERIA

(National University of Engineering)

CASILLA 1301, LIMA

Founded 1955, formerly Escuela Nacional de Ingenieros del Peru, founded 1875.

Rector: Ing. MARIO SAMAME BOGGIO.
Secretary-General: Ing. GERMAN DE LA FUENTE HERRERA.
Treasurer: Ing. GERMAN DE LA FUENTE HERRERA.
Librarian: Srta. JUANA PAREJA MARMANILLO.

Library: 20,000 volumes.
Number of students: 5,500.
Publication: *Boletin.*

DEANS:

Faculty of Architecture: Arq. SANTIAGO AGURTO CALVO.
Faculty of Civil Engineering: Ing. BIAGGIO ARBULU GALLIANI.
Faculty of Petroleum Engineering: Ing. FERNANDO NORIEGA CALMET.
Faculty of Industrial Engineering: Ing. JORGE SUCCAR RAHME.
Faculty of Mechanics and Electricity: Ing. ROBERTO HEREDIA ZAVALA.
Faculty of Sanitary Engineering: Ing. ALEJANDRO BEUNZA GOMEZ.
Faculty of Mining Engineering: Ing. CESAR SOTILLO PALOMINO.
Faculty of Science and Mathematics: Ing. MARCO FERNANDEZ BACA.

PROFESSORS:

AGUILAR REVOREDO, JUAN Fco. (Economic and Structural Geology, Separation of Minerals).
AGUILAR CONDEMARÍN, LUCIO (Buoyancy, Metallurgy).
AGURTO CALVO, SANTIAGO (History of Architecture).
ALMENARA, OSCAR A. (Physics, General Chemistry, Industrial Analysis).
ALVARADO GARRIDO, ARTIDORO (Petroleum Administration).
ARBULÚ G., BIAGGIO (Structural Engineering).
ARROYO, MIGUEL (Rational Mechanics).
AVENDAÑO H., JULIO (Electrical Engineering, Radiotechnics).
AYLLÓN, HÉCTOR (Mechanics).
BARRAZA CASTRO, ENRIQUE (Special Analytical Chemistry, Lubricant Greases, Asphalt).
BARTET ROSAS, JUAN (Advanced Physics).
BASTANTE, ALEJANDRO (Naval Engineering, Machine Drawing and Parts).
BELAUNDE TERRY, FERNANDO (Low-Cost Housing).
BENITES D., JUAN F. (Architectural Draughtsmanship).
BIANCO ZANOLDO, MARIO (Architectural Draughtsmanship).
BOIT, BERNARDO (Geology, Palæontology of Peru).
BONIFÁZ S., FERNANDO (Descriptive Geometry).
BOZZO CHIRICHIGNO, MIGUEL (Resistance of Materials).
BRAVO BRESANI, JORGE (Social Legislation in Mines).
BROGGI, JORGE A. (Physiography, Structural Geology, Geological Investigations).
BUENO, CLAUDIO (Topography, Descriptive and Analytical Geometry).
CABELLO B., HUGO (General Topography).
CABRERA TAPIA, CARLOS (Analytical Geometry).
CABRERA TAPIA, JORGE (Mathematical Revision).
CABRERIZO, JUAN VICENTE (Physics).
CÁNEPA, JORGE (Electrical Engineering and Power Stations).
CÁNEPA COMPODÓNICO, HÉCTOR (Power Stations).
CASSANA ACOSTA, PEDRO (Physics).
CORDERO PIANA, VICTOR PABLO (Metallurgy).
CÓRDOVA VALDIVIA, ADOLFO (Architectural Draughtsmanship, Plastics).
CRUZ R., CARLOS (Cotton Technology).
CURCIO, CARLOS ALBERTO (Mathematics).
DEVOTO, NICOLÁS (Railways, General Topography).
DÍAZ AYARZA, LUIS (Chemistry of Petroleum).
DIEZ CANSECO YÁÑEZ, ERNESTO (Mine Ventilation, Hygiene and Security, Petroleum Transport, Tanks and Tankers).
DONIZETTI, JULIO (Electrical Technology and Machinery).
DORCA GARCÍA, EUGENIO (Mathematics).
DORICH, LUIS (Town Planning).
DUNKELBERG WEISS, CARLOS (Professional Practice).
ECHEGARAY, ENRIQUE (Examination of Plans).
ESCOBAR ESCOBAR, DANIEL (Hydraulics).
ESTREMADOYRO, VÍCTOR (Astronomy, Geodesy).
FERECCIO NOSIGLIA, ANTONIO (Fundamental Mechanics).
FERNÁNDEZ BACA, MARCO (Resistance, Rational Mechanics).
FERNÁNDEZ CONCHA, JAIME (Visual Petrology, Structural Geology)
FOGLIANI, GIANFELICE (Hydraulics, Hydraulic Machinery).
FORT, ALFREDO L. (General Metallurgy).
FREYRE, ALEJANDRO (Macropetrography, Physical Geography).
FUENTE, ALEJANDRO DE LA (Mechanical Drawing).
FUENTE, GERMÁN DE LA (Industrial Accountancy, Organisation and Hygiene).
GRAU PRICE, GUILLERMO (Mechanical Thermodynamics and Motor Force).

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GRIEVE MADGE, JORGE (Mechanical Technology, Machine Parts).
HARO, EMILIANO (Physics).
HEREDIA ZAVALA, ROBERTO (Thermodynamics and Thermomechanics).
HERNÁNDEZ, LUIS (Analytical Geometry).
KARATEEFF, REGINALD D. (Metallurgy).
LABARTHE DURANT, PEDRO ABEL (Mathematical Research).
LABARTHE GONZÁLES, ABEL (Calculus).
LAINEZ LOZADA CAMPOS, PEDRO (Bridges).
LAMA ARRIGONI, GUSTAVO (Descriptive Geometry, General Topography).
LE ROUX, EMILIO (Soil Mechanics).
LINDER, PAUL (Architectural Æsthetics).
LLOSA PAUTRAT, MANUEL (Working of Mines and Equipment).
MACHIAVELLO, LUIS (Vibration in Buildings, Thermodynamics. Chemical Engineering).
MADUEÑO MONTOYA, JORGE (Anti-malaria Campaign).
MAISCH GUEVARA, ERNESTO (Hydraulics).
MALACHOWSKI, RICARDO (Principles and Theory of Architecture).
MANTILLA FERNANDINI, LUIS (Rural and Municipal Improvement, Sanitary Organisation and Legislation).
MARÍN, JOSÉ DEL CARMEN (Military Engineering).
MARQUINA, RAFAEL (Architectural Drawing, Domestic Architecture).
MARTENS, ARTURO (Physics, Machine Parts).
MASÍAS, ALVARO (Unitary Theory and Practice, Thermodynamics).
MASTRÓKALO, ALFREDO (Preparation of Plans).
MENDIZÁBAL, ALFONSO (Drawing).
MERCADO, LIZANDRO (Irrigation).
MIRÓ QUESADA GARLAND LUIS (Functional Architecture).
MISITANO SILICATO, RICARDO (Industrial Chemistry).
MONGE GORDILLO, ALEJANDRO (Chemistry).
MONTERO MUELLE, ALFONSO (Chemical Technology, Analysis of Water and Sewerage).
MORALES MACEDO, GERMÁN (Physics, Qualitative Chemical Analysis).
MORALES MACHIAVELLO, CARLOS (Building, Building Materials).
MORALES RÍOS, JULIO (General Topography).
MUJICA, LUCAS (Electrical Communications).
MUJICA, WILFREDO (Electrotechnics).
NORIEGA CALMET, FERNANDO (Petroleum Production).
OLCESE, MANUEL (Mathematics).
ORELLANA ZÚÑIGA, JUAN (Sanitary Engineering).
ORTÍZ DE ZEVALLOS Y PAZ SOLDÁN, LUIS (History of Art).
ORTÍZ VELEZ, JUAN (Organic Chemistry, Dyes).
PARAUD DUBREUIL, RÁUL (Highways).
PAREJA M., CARLOS (General and Subterranean Topography).
PETITJEAN, HERIBERTO (Electricity).
PFLÜCKER CABIESES, LEOPOLDO (Reservoir Engineering).
PFLÜCKER, GERMÁN E. (General and Organic Chemistry Physics).
POLAR ZEGARRA, ALFREDO (Chemical Engineering).
PONS MUZZO, ALFONSO (Purification and Supply of Water).
PORTARO, VICENTE (Linear Drawing).
QUIÑONES GONZALEZ, RAÚL (Method of Construction).
QUIROGA, JUAN (Structural Engineering, Cement and Concrete Building, Bridges).
QUIROGA RIBERA, OSCAR (Valuation of Petroleum Territory).
RAMOS TAPIA, JUAN (Mathematical Revision).
REDLICH, RICARDO (Cooling of Conditioned Air).
REGAL, ALBERTO (Building Materials).
REYNA, ERASMO (Resistance).
RIBEYRO IBAÑEZ, EFRAÍN (Sanitary Chemistry).
RIVERA ZAPATA, MIGUEL (Electrical Engineering).
RODRIGUEZ DEL CASTILLO, JUAN (Production).
RUEGG GYSELER, WERNER (Geology).
SALGADO PORTOCARRERO, EDUARDO (Construction Materials).
SAMAMÉ BOGGIO, MARIO (Mining Economics, Industrial Organisation and Economics).
SARMIENTO, JUAN (Concrete).
SCHMIDT, PAÚL (Thermodynamics).
SLOANE ROSS, ENRIQUE (Architectural Drawing).
SOLÍS PLAZA, WALTER (General Chemistry).
SOTILLO PALOMINO, CESÁR (Qualitative and Quantitative Chemical Analysis, Descriptive Geometry).
SPILLMAN SCHWACH, FRANZ (Macropalæontology).
SUÁREZ JIMENA, EDUARDO (Rational Mechanics).
SUCCAR RAHMÉ, JORGE (Industrial Organisation, Forestry).
TABINI FERNÁNDEZ DAVILA, ALEJANDRO (Electricity).
TAPIA SALINAS, LUIS (Physiography).
TARNAWIECKI, ANTONIO (Machine Parts, Drawing, Electro-Chemistry).
TINMAN S., GHERZ (Organic Chemistry).
TOLA PASQUEL, JOSÉ (Resistance, Infinitesimal Calculus, Vectorial Graphs).
TORRES RENGIFO, CARLOS (Hydraulics).
TORRES VARGAS, CARLOS (Mechanical Drawing).
TUDELA LAVALLE, OCTAVIO (Mathematics).
UGARTE ELÉSPURU, MANUEL (Plastics).
UGAS SALCEDO, CARLOS (Tanning).
UNGARO, FABRICIO (Concrete Structures and Installations for Petroleum, Drawing).
UNGER, GERARD (Thermodynamics, Applied Thermodynamics, Thermic Motors).
URETA DEL SOLAR, ALBERTO (Engineering).
VALENCIA MENEGOT, RICARDO (Structures).
VALVERDE ARCE, ROBERTO L. (Petroleum Industry).
VÁSQUEZ ROSAS, HUGO (General and Specialised Mineralogy).
VELANDO PARDO, ALEJANDRO (Ports).
VIGIL, JORGE A. (Mechanical Aviation Equipment).
VILLAGARCÍA, JOSÉ F. (Calculus).
WAKEHAM DASSO, ROBERTO (Architectural Draughtsmanship).
YÁBAR GARCÍA, MANUEL (Oils and Fats).
ZELAYA SOTOMAYOR, HUMBERTO (Motor Power).
ZÚÑIGA, ULDARICO (Wool Technology).
ALVARADO LEÓN, FRANCISCO (Drawing).
ARAMBURÚ M., ANDRÉS A. (Legislation).
BEDOYA, JAIME A. (Sanitary Bacteriology and Biology).
FERNÁNDEZ STOLL, JORGE (Industrial Legislation).
LARI CAVAGNARO, ALBERTO (Epidemiology).
MUÑÓZ, LINO (Political Economy).

UNIVERSIDAD AGRARIA

LA MOLINA, LIMA
Apartado 456
Telephone: 47865

Founded 1902; formerly Escuela Nacional de Agricultura.

Rector: ORLANDO ORCESE P.
Vice-Rector: FERRUCCIO ACCAME W.
Registrar: JORGE BAZO S. M.
Librarian: AMALIA CAVERO DE CORNEJO.

Number of teachers: 172.
Number of students: 834.
Publication: *Universitas.*

COLLEGES

ESCUELA NORMAL SUPERIOR "ENRIQUE GUZMAN Y VALLE"

LA CANTUTA-CHOSICA, LIMA

Founded 1822, newly founded 1905.

Director: Dr. ROBERTO RIOJA IPARRAGUIRRE.
Division of Professional Studies: Dr. EMILIANO PISCULICH.
Division of Academic Studies: Dr. CARLOS MENDOZA VALENZUELA.
Division of Technical Studies: Dr. MESIAS HUARINGA RICCI.
Division of Students Personal Services: R.P. FERMIN VALVERDE ABECIA.
Division of Administrative Services: Dr. WALTER LIEBLINGER.
Primary Education Supervisor: LUIS TORREJON.
Secondary Education Supervisor: Prof. GODOFREDO BENDEZU.
Technical Education Supervisor: Prof. EDUARDO PARODI.

Number of teachers: 79.
Number of students: 570 (prospective teachers), 500 (Demonstration schools).

The school has been given university status by the Peruvian Congress.

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Escuela de Servicio Social (*School of Social Science*): Avenida Arequipa 1473, Lima; f. 1937; library of 2,640 vols.; Dir. GLORIA ABATE; publ. *Servicio Social* (annually).

Escuela Nacional de Bibliotecarios (*National School of Librarianship*): Lima; f. 1943; Dir. Dr. CARLOS CUETO FERNANDINI; Sec. NELLY MACKEE PRIALÉ.

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música (*National Academy of Music*): Minería 180, Apdo. 2957, Lima; f. 1908 as Academia Nacional de Musica "Alcedo", present name 1946; directed by the Ministry of Public Education; 450 students; specialised library *c.* 5,000 vols., and record library; choir and orchestra; Dir. CARLOS SÁNCHEZ MÁLAGA; Sec. ROBERTO CARPIO VALDÉS.

AFFILIATED INSTITUTES:

Escuela Regional de Música de Arequipa: Dir. AURELIO DÍAZ.

Escuela Regional de Música de Ayacucho: Dir. CÉSAR BEDOYA.

Escuela Regional de Música del Cuzco: Dir. JORGE DELGADO.

Escuela Regional de Música de Huanuco: Dir. JAIME DÍAZ.

Escuela Regional de Música de Piura: Dir. ERNESTO LÓPEZ MINDREAU.

Escuela Regional de Música de Trujillo: Dir. ULISES CALDERÓN.

Escuela Nacional de Bellas Artes (*National School of Fine Arts*): Lima.

Academia de Bellas Artes del Cuzco (*Cuzco Academy of Fine Arts*): Cuzco.

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REPUBLIC OF THE PHILIPPINES

Population 28,727,000

ACADEMY

Academia Filipina (*Philippine Academy*): Manila; the Philippine Academy is 11th in order of foundation of the corresponding academies of the Real Academia Española, Madrid. *Vice-Director:* Arsenio N. Luz. *Secretary:* José Lauchengco.

Members:

Abad, Antonio M.
Barcelón, Emeterio (Treasurer)
Bocobo, Jorge
Cuenco, Mariano Jesús
Delgado, José M.
Félix, Alfonso.
Fernández Lumba, Enrique (Censor)
Liogson, Francisco
Sabido, Pedro
Torres, Ramón J.
Veyra, Jaime D. de

Elected:

Cuenco, Miguel
Dizón, Arsenio
Gutiérrez, David

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Agriculture

Philippine Association of Agriculturists: 692 San Andres, Malate, Manila; f. 1946; 178 mems.; Pres. Eugenio E. Crug; Sec. Jose L. Morales.

Architecture

Philippine Institute of Architects: P.O. Box 350, Manila; f. 1933; 265 mems.; Pres. Edmundo G. Lucero; Vice-Pres. Francisco Fajardo; Sec. Evelio N. Valdes.

Art

Art Association of the Philippines: c/o UNESCO Nat. Commission of the Philippines, 1580 Taft Avenue, Manila; f. 1948; Pres. Jose T. Joya, Jr.; Sec. Leonidas V. Benesa; Treas. Tomas T. Bernardo.

Biology

Los Baños Biological Club: College, Laguna; f. 1923; Pres. Lauro A. Ynalvez; Sec. Pedro B. Escuro.

Chemistry

Philippine Council of Chemists (*National Organisation of Professional Chemists*): P.O. Box 1202, Manila; f. 1958; 700 mems.; Exec. Sec. Shirley E. Nessia; publ. *The Chemist* (quarterly).

Economics

Philippine Economic Association: Suite 304, Trade and Commerce Building, Manila; f. 1948; 88 mems.; Pres. Miguel Cuaderno; Vice-Pres. Manuel S. Rustia; Dirs. Conrado Benitez, Delfin Buencamino; Sec. Eduardo Romualdez; Treas. Felix de la Costa.

Literature, Library Science, Philology

Association of Special Libraries in the Philippines (ASLP): Institute of Public Administration Library; University of the Philippines, Padre Faura Street, Manila; f. 1954; 150 mems.; Pres. Marina G. Dayrit; Sec. Teresita Samaniego; publs. *ASLP Bulletin* (quarterly), *Directory of Special Library Resources and Facilities.*

Filipino Writers' Guild: f. 1948; Pres. Manuel Viray; Sec. J. Gualberto Planas.

Goethe Institut: P.O.B. 2883, Manila; Dir. Dr. Rudolf B. Eppel.

Kawika (*Society of Tagalog Writers*): 1655 Soler, Santa Cruz; f. 1958; Pres. Jose Domingo Karasig; Sec. Gemiliane Pineda; publ. *Liwayway* (weekly).

Philippine Library Association: The Library, University of the Philippines, Diliman, Quezon City; f. 1923; 488 mems.; Pres. Gabriel A. Bernardo; Sec. Pacifico M. Austria.

U.S. Information Center: Heacock Building, Escolta Corner, David Street, Manila.

Medicine, Pharmacy

Colegio Medico-Farmaceutico de Filipinas, Inc.: c/o College of Pharmacy, University of the Philippines, Quezon City; f. 1899; Pres. Dr. José M. Barcelona; Sec.-Treas. Dr. Ramon R. Angeles.

Manila Medical Society: 1201 Florida Street, Manila; f. 1902; 1,249 mems.; Pres. Dr. Edgardo T. Camparas; Sec.-Treas. Dr. Erlinda T. Novales.

Philippine Medical Association: P.M.A. House, 1850 Taft Avenue, Manila; f. 1903; 61 comp. societies; 19 affiliated speciality societies; Pres. Dr. Benjamin R. Roa; Sec.-Treas. Dr. Jose C. Denoga; publ. *Journal.*

Philippine Pediatric Society: Philippine General Hospital, Taft Avenue, Manila; f. 1947; 290 mems.; Pres. Dr. Artemio P. Jongco; Sec.-Treas. Dr. Luis M. Mabilangan; publ. *Philippine Journal of Pediatrics* (bi-monthly).

Philippine Pharmaceutical Association: Room 504 Bañas Building, 815 Rizal Avenue, Manila; f. and incorporated 1920; 44 brs.; 3,787 mems.; Pres. Lupicinio Ll. Campos, Sr.; Vice-Pres. Dr. Joaquin Marañon; Exec. Sec. Dr. Filemon Tanchoco, Jr.; publ. *Journal.*

Numismatics

Philippine Numismatic and Antiquarian Society: 1340 Espana Street, Manila; f. 1929; 70 mems.; Pres. Jesus P. Celis; Sec. Jose de los Reyes; publ. *Monographs of the Philippine Numismatic and Antiquarian Society.*

Nutrition

Philippine Association of Nutrition: c/o Nutrition Foundation of the Philippines Inc., 1580 Taft Avenue, corner

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Herran, Manila; Pres. Dr. Eufronio O. Carrasco; Sec. Dr. Minerva Belen-Inciong.

Parasitology

Philippine Society of Parasitology: Dept. of Parasitology, Institute of Hygiene, University of the Philippines, Manila; f. 1930; Pres. Mariono G. Yagore, Jr.; Vice-Pres. José B. Mendiza; Sec.-Treas. Benjamin D. Cabrera.

Science

Society for the Advancement of Research: College of Agriculture, Laguna; f. 1930; 78 active mems., 45 associates; Pres. Nicolas Galvez; Sec. Jose R. Velasco.

Technology

United Technological Organisations of the Philippines: 512-516 Samanillo Blg. Escolta, Manila; f. 1946; 5 affiliated organisations; 780 mems.; Pres. M. M. Aycardo, Jr.; Sec. Antonio Lota; publ. *Utop Record* (annual).

Philippine Association of Civil Engineers (Pace): 441 Manga Avenue, Sta. Mesa, Manila; f. 1937; 300 mems.; Pres. Jose F. Jacinto; Sec. Godofredo J. Marquez.

Philippine Association of Mechanical and Electrical Engineers (PAMEE): P.O. Box 416, Manila; f. 1930; 350 mems.; Pres. Werner A. Fischer; Vice-Pres. Ciriaco y Coronel; Sec. J. C. Morales.

Philippine Institute of Chemical Engineers: 386-B España Extension, Quezon City; f. 1939; 2,037 mems.; Pres. Pedro A. Malabrigo; Sec. Rafael S. Francia; publ. *Piche*, newsletter.

Philippine Society of Civil Engineers: c/o Bureau of Public Works, Bonifacio Drive, Manila; f. 1918; assumed present title 1933; Pres. Florencio Moreno; Sec.-Treas. Tomas de Guzman; publ. *The Philippine Engineering Record* (quarterly).

Philippine Society of Mining, Metallurgical, and Geological Engineers: P.O. Box 1595, Manila; f. 1940; 117 mems.; Pres. Jones R. Castro; Sec.-Treas. Leopoldo F. Abad.

Veterinary Medicine

Philippine Veterinary Medical Association: Bureau of Animal Industry Building, Pandacan, Manila; f. 1907; 227 mems.; Pres. Dr. Anacleto B. Coronel; Sec.-Treas. Dr. Teofisto M. Capulong.

RESEARCH INSTITUTES

National Research Council of the Philippines: University of the Philippines, Quezon City; f. 1934.

Chairman: (Vacant).

Vice-Chairman: Eng. Manuel I. Felizardo.

Executive Secretary: Dr. Patrocinio Valenzuela.

Assistant Executive Secretary: Dr. Alfredo C. Santos.

Chairmen of Divisions:

Government, Foreign and Educational Relations: Dr. Manuel L. Carreon.
Physical and Mathematical Sciences: Dr. Casimiro del Rosario.
Medical Sciences: Dr. Juan Salcedo, Jr.
Chemical and Pharmaceutical Sciences: Dr. Joaquin M. Marañon.
Biological Sciences: Dr. Leopoldo B. Uichanco.
Agriculture and Forestry: Dr. Francisco M. Fronda.
Engineering and Industrial Research: Dr. Amando Clemente
Social Sciences: Dr. Amando M. Dalisay.

Commission on Volcanology:

Chairman: Elpidio C. Vera.
Members: Benjamin Gozon, Roman L. Kintanar, Dr. Mateo H. Tupas.
Executive Secretary: Arturo Alcaraz.

Government Bureaux (with Directors):
(not under control of the National Research Council)

Agricultural Extension: Antonio Durano.
Animal Industry: Anacleto B. Coronel.
Census and Statistics: Manuel E. Buenafe.
Coast and Geodetic Survey: Capt. Angel G. de Jesus.
Fisheries: Heraclio R. Montalban.
Forestry: Tiburcio S. Serevo.
Health: Dr. Jesus A. Nolasco.
Hospitals: Dr. Pedro L. Mayuga.
Mines: Benjamin Gozon.
National Museum: Dr. Eduardo Quisumbing.
Plant Industry: Eugenio E. Cruz.
Soil Conservation: Dr. Ricardo T. Marfori.
Weather: Dr. Roman L. Kintanar.

National Science Development Board: Port Area, Manila.

Acting Chairman: Dr. Juan Salcedo, Jr.
Vice-Chairman and Executive Director: Dr. Gregorio y Zara.

Members of the Board:

Chairman, National Research Council of the Philippines: (Vacant).
Commissioner, National Institute of Science and Technology: Dr. Canuto G. Manuel.
Commissioner, Philippine Atomic Energy Commission: Col. Florencio A. Medina.
Director of the Office of National Planning, National Economic Council: Isidro Macaspac.
Representing University of the Philippines: Dr. Enrique T. Virata.
Representing Industry: Jose P. Marcelo.
Representing Scientific and/or Technological Associations or Societies: Dr. Jose A. Fernandez.
Representing Agriculture: Dr. Jose J. Mirasol.
Representing Education: Hon. Alejandro R. Roces.

Government Institutes

(Under the National Science Development Board)

National Institute of Science and Technology: Commissioner Dr. Canuto G. Manuel.
Food and Nutrition Research Center: Dir. Dr. Conrado R. Pascual.
Industrial Research Center: Acting Dir. Martin Jugo.
Medical Research Center: Dir. Dr. Rogelio Relova.
Biological Research Center: Dir. Macario Palo.
Agricultural Research Center: Dir. (Vacant).

Philippine Atomic Energy Commission: Commissioner Col. Florencio A. Medina.
Philippine Atomic Research Center: Dir. Librado D. Ibe (Acting).

LIBRARIES

Ateneo de Manila University Library: P.O. Box 154, Loyola Heights, Quezon City; Padre Faura, Manila; 56,000 vols. collegiate and graduate levels; Dir. Rev. R. J. Suchan, S.J.

Bureau of Public Libraries (*National Library*): San Luis, Ermita, Manila; 247,511 vols.; Dir. Carlos Quirino (acting).

Division of Documentation, National Institute of Science and Technology (*formerly Bureau of Science*): f. 1901;

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possessed in 1941 the largest collection of technical and scientific publications in the Far East; burned in War of Liberation 1945; present staff 43 mems.; collection over 20,000 bound vols. and 350,000 periodicals, bulletins and pamphlets; Chief QUINTIN AYSON EALA.

Far Eastern University Library: Quezon Boulevard, Manila; 80,000 vols.; Librarian Mrs. POTENCIANA D. DAVID.

Philippine Women's University Library: Taft Avenue, Manila; 42,900 vols.; Librarian Mrs. ELOISA OSORIO-CANLAS.

Silliman University Library: Dumaguete City; f. 1901; 71,000 vols.; Librarian GORGONIO D. SIEGA.

University of Manila Central Library: 546 Alejandro VI, Sampaloc, Manila; 20,500 vols.; other libraries 15,000 vols.; Chief Librarian LETICIA SANTOS-DOMINGO.

University of Santo Tomás Library: España Street, Manila; 182,000 vols., 80,000 vols. in General Library; collections of Filipiniana and rare and ancient books; special libraries of Ecclesiastical Faculties, Medicine, Music, Engineering and Fine Arts, High School and Elementary School libraries; Librarian Mrs. CANDIDA CABATU-AGCAOILI.

University of the East Library: Claro M. Recto Avenue, Manila; 56,600 vols.; Librarian NARCISA F. TIOCO.

University of the Philippines Library: Diliman, Quezon City; 291,076 vols.; 30 brs.; Librarian MARINA G. DAYRIT.

MUSEUMS

National Museum: Taft Av., Herran St., Manila; f. 1901; Divisions of Anthropology, Botany, Geology-Palæontology, Zoology, and Art Gallery and History; Dir. GALO B. OCAMPO; recently acquired three private libraries: Rehder's of Harvard Univ., Gagnepain's of Paris Museum of Natural History, and Beccari's of Italy.

Santo Tomás Museum: Manila; f. before 1682, re-organised 1865; Divisions of Natural History, Ethnology (including Numismatics), Archæology (including Ceramics), and an Art Gallery; Bibliographical Section includes books and maps of the 15th, 16th, 17th and 18th centuries; Dir. Rev. Fr. JESUS M. MERINO ANTOLÍNEZ, O.P.; Curator VICENTE PADILLA.

UNIVERSITIES

ADAMSON UNIVERSITY

213 SAN MARCELINO, ERMITA, MANILA
Telephone: 3-22-67

Founded 1932.

President: Dr. GEORGE L. ADAMSON.
Registrar: ALEXANDER A. ADAMSON.
Librarian: FRANCISCO SINGSON.

Number of teachers: 124.
Number of students: 3,026.

Publications: *Adamson University Bulletin of Information, Adamson Chronicle.*

DEANS:

College of Liberal Arts and Sciences: EUDOXIA G. ADAMSON.
College of Education: HERMENEGILDO SORIANO.
College of Pharmacy: Dr. JUAN ROSALES.
College of Law: ARTEMIO M. LOBRIN.
College of Commerce and Business Administration: NARCISO ALDAYA.
School of Architecture: CARLOS DA SILVA.
College of Engineering: Dr. GEORGE L. ADAMSON (Acting).

HEADS OF DEPARTMENTS:

Chemical Engineering: NARCISO CASTASUS.
Industrial Engineering: DIEGO P. RUBIO.
Mechanical and Electrical Engineering: HERMINIO SORIANO.
Civil Engineering: RAMON MADRIGAL.
Mining Engineering: WALTER A. KRANE.
Post Graduate Studies in Education: Dr. CLETO M. OLIVERAS.
Post Graduate Studies in Chemistry: Dr. GEORGE L. ADAMSON.

PROFESSORS:

ADAMSON, ALEXANDER A. (Management).
ADAMSON, EUDOXIA (French, Diplomatic Correspondence).
ADAMSON, GEORGE LUCAS (Chemistry).
AGUIRRE, MARIANO (Domestic Trade).
ALBA, VICENTE (Management).
ALDAYA, NARCISO (Accounting).
ALIP, EUFRONIO (Educational Research).
CADA, ILUMINADO (Pharmacy).
CAMPO, ANGEL (Mechanical Engineering).
CANTOR, FELIPE (Political Science).
CASTASUS, NARCISO (Chemical Engineering).
DA SILVA, CARLOS (Architecture).
DAR JUAN, OBDULIA (Chemistry).
DECIPEDA, VICENTE (Mechanical Engineering).
DICHOSO, GRACIANO (Civil Engineering).
FLOR, FRANCISCO (Mathematics).
GO, FELIX (Mathematics).
GONZALES, CARLOS (Law).
GUILAS, JOSE (Education).
KRANE, WALTER A. (Mining Engineering).
LAGON, FELIPE (English).
LOBRIN, ARTEMIO M. (Law).
LOGAN, ROSARIO (Spanish).
MADRIGAL, RAMON (Mathematics).
MIL, SEVERO (Education).
OLIVERAS, CLETO M. (Education, Psychology).
OPINION, GLIVERIO (Law).
RAMIRO, MARIANO (Chemistry).
REYES, AUGUSTO (Political Science).
RIVERO, NORBERTO (Botany).
ROSALES, JUAN (Pharmacy).
ROSARIO, GODOFREDO DEL K. (Law).
RUBIO, DIEGO P. (Industrial Engineering, Ceramics).
RUIZ, MARIANO (Chemical Engineering).
SAGUINDAN, CARMELITA (Chemistry).
SALVADOE, MELCHOR (Physics).
SANTOS, GODUARDO (Civil Engineering).
SANTOS, RECAREDO (Chemistry).
SISON, TEOFILO (Business).
SOLIVEN, FLORENCIO (Chemistry).
SORIANO, HERMENEGILDO (Mathematics).
SORIANO, HERMINIO (Electrical Engineering).
TAGGAOA, FERNANDO (Social Science).
TUPAS, PEDRO (Banking and Finance).
UNGSON, LOURDES (English).
VILLEGAS, ANTONIO (Chemistry).

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ARANETA UNIVERSITY

VICTONETA PARK, RIZAL
Telephone: 2-26-71
Founded 1946

President: Dr. SALVADOR ARANETA.

Number of students: 3,185.

The University has Institutes of Agriculture; Animal Husbandry; Engineering; Public, Business and Agricultural Administration; Education and Extension; Arts and Malay Culture; Science; Graduate Studies and Applied Research; Economic Studies and Social Action.

ARELLANO UNIVERSITY

2600 LEGARDA STREET, SAMPALOC, MANILA
Telephone: 3-54-98
Founded 1938.

President: FLORENTINO CAYCO.

DEANS:

Graduate School: FLORENTINO CAYCO.
Arellano Law College: E. VOLTAIRE GARCIA.
College of Arts and Sciences: JOSEFA V. LEBRON.
College of Education: LORENZA O. DE JESUS.
College of Commerce: FRANCISCO J. OLAMPO.
Normal College: ENRIQUETA R. BENAVIDES.

ATENEO DE MANILA UNIVERSITY

P.O. BOX 154, LOYOLA HEIGHTS,
QUEZON CITY
Telephone: 7-35-11
University 1959

President: FRANCISCO ARANETA, S.J.

DEANS:

College of Law: JEREMIAS MONTEMAYOR.
College of Arts: HARRY B. FURAY.
Graduate School of Arts and Science: PACIFICO ORTIZ.
Graduate School of Economics and Business Administration: SERGIO CORPUS.

CENTRAL PHILIPPINES UNIVERSITY

ILOILO CITY
Telephone: 35-01
Founded 1953.

President: JOSEPH T. HOWARD.
Registrar: URBANO F. NEQUIN.
Librarian: ELIZABETH CHAMBERS.

Number of teachers: 198.
Number of students: 4,071.

Publications: *Echo* (student paper), *Centralite* (student annual), *Link* (Alumni organ).

DEANS:

College of Agriculture: JOSEPH LENWOOD EDGE.
College of Arts and Sciences: DEOGRACIAS GALIA (*a.i.*).
College of Commerce: NATIVIDAD G. SITCHON.
College of Education: ALFREDO P. CATEDRAL.
College of Engineering: JAMES LESTER KNOX.
School of Graduate Studies: LINNEA A. NELSON.
College of Law: TOMAS LEONIDAS (*a.i.*).
College of Nursing: CARMEN CENTENO (*a.i.*).
College of Pharmacy: CARMELINA J. JALBUENA (*a.i.*).
College of Theology: WANDA KELLEY (*a.i.*).

CENTRO ESCOLAR UNIVERSITY
(Women's University)

MENDIOLA STREET, MANILA
Telephone: 3-26-28
Founded 1907.

President: Miss CARMEN DE LUNA.
Executive Director: Dr. CONCEPCIÓN A. AGUILA.
Secretary: GENEROSA DE LEON.

Number of teachers: 151.
Number of students: 4,881.

DEANS:

College of Pharmacy: VALERIO JAHRLING.
College of Liberal Arts: PORFIRIO DE GUIA.
College of Social Work: MINERVA G. LAUDICO.
College of Dentistry: CAYETANO EUSTAQUIO.
College of Commerce: ALBERTO P. REYES.
College of Optometry: AVELINO REYES.
Graduate School and Teacher Training Colleges (Normal, Education and Home Economics): ALICIA JOSE-RAMOS.
Conservatory of Music: ANTONIO J. MOLINA.

UNIVERSITY OF THE EAST

MANILA
Telephone: 3-36-81

The Philippine College of Commerce and Business Administration, founded in 1946, was formally inaugurated as the University of the East in 1951. In addition to the original College of Commerce, the University now has Colleges of Dentistry, Medicine, Engineering, Education, Nursing, Liberal Arts and Sciences, Law, a Graduate School, a Secretarial School, a Vocational Technical Institute, a Secondary Department, an Elementary Department and a Teaching Hospital. There is a second campus in Caloocan, a suburb of Manila, and a third campus, that of the Medical Center, an affiliate, in Quezon City, also near Manila.

President and Founder: FRANCISCO DALUPAN.
Vice-President: VICENTE ALBANO PACIS.
Secretary: JOSE L. TORRES.
Registrar: FIDEL R. COLMENAR.
Dean of Women: PAZ ADRIANO.
Chief Librarian: NARCISA F. TIOCO.

Library of approximately 56,500 vols.
Number of teachers: 842, including 48 professors.
Number of students: 42,000.

Publications: *Dawn, Panorama, Dental Gazette, Economic Research Journal, U.E. Founder, U.E. Bulletin, U.E. Landmark, U.E. Business Review, U.E. Law Journal, Aesculapian, U.E. Alumnus, U.E. Students' Business Review* (commerce), *Expression.*

DEANS:

College of Liberal Arts: CONRADO P. AQUINO.
Graduate School: SANTIAGO F. DE LA CRUZ (Acting).
College of Education: AMPARO S. LARDIZABAL.
College of Commerce: SANTIAGO F. DE LA CRUZ.
College of Law: RUPERTO G. MARTIN.
College of Dentistry; GENARO FELIZARDO.
College of Medicine: JOSE CUYEGKENG (Acting).
College of Nursing: PURITA F. ASPERILLA.

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UERM Hospital: RICARDO F. SEBASTIAN (*Director*).
College of Engineering: MARIANO T. HIDALGO.
Secretarial School: ALBERTO SAN PEDRO (*Director*).
Vocational-Technical Institute: MARIANO T. HIDALGO (*Director*) (Acting).
University High School: LUISA M. DE JESUS (*Principal*).
Secondary Training Department: FELICISIMO A. SANTOS (*Director*).
Elementary Training Department: CANUTO P. CASIM (*Director*).
Caloocan Branch of the University: GERARDO ABANILLA (*Director*).

PROFESSORS:

ADRIANO, PAZ V. (English, Euthenics).
ALBA, LEODEGARIO S. (Merchantile Law, Private Corporations).
ALIKPALA, FEDERICO C. (Mercantile Law, Private Corporations, Insurance Law).
AQUINO, ANTONIO F. (Accountancy).
AQUINO, CONRADO P. (Philosophy, English).
ASIS, ABRAHAM A. (Management).
ASPERILLA, PURITA F. (Nursing).
AUSTRIA, GONZALO F. (Medicine).
BARREDO, ANTONIO P. (Civil Procedure, Evidence, Special Proceedings, Remedial Law Review).
BRIZAS, AMADO (Taxation).
CASIM, CANUTO P. (Education).
CASTILLEJO, LINO J. (Economics).
CASTILLO, ANDRES V. (Economics).
CRUZ, SANTIAGO F. DE LA (Accountancy, C.P.A. Review).
CUYEGKENG, JOSE (Pathology, Microbiology).
ESGUERRA, SALVADOR (Public and Private International Law, Constitutional Law).
FELIZARDO, GENARO B. (Operative Dentistry).
GALANG, RICARDO C. (Management).
GINETE, PEDRO A. (Finance).
GOPENGCO, SIMEON M. (Labour and Industrial Law, Mercantile Law).
GREGORIO, ANTONIO L. (Property).
GUEVARA, ROMULO (Pharmacology).
HEIDENREICH, ARTHUR (English).
HIDALGO, MARIANO T. (Engineering).
HSIEH, YU MING (Mathematics, Physics).
LANDAS, MARCELO R. (Business Mathematics).
LARDIZABAL, AMPARO S. (Education).
LIAO, SHUBERT C. (Economics).
LORENZO, FELICIDAD C. (Oral Histology).
MAKALINTAL, QUERUBE (Obligations and Contracts, Property, Succession and Administration).
MARTIN, RUPERTO G. (Philippine Political Law, Constitutional Law, Administration and Election Laws).
MONTESA, AGUSTIN T. (Criminal Law, Criminal Procedure, Practice Court).
NUEVAS, JAIME R. (Civil Procedure, Remedial Law Review).
PACIS, VICENTE ALBANO (Political Science).
PALMA, RODOLFO (Succession, Civil Law Review).
PARAS, EDGARDO L. (Sucession, Private International Law).
PASCUAL, WENCESLAO (Physiology).
PASION, DOROTEO S. (Accountancy,).
QUINTOS, FLORENCIO N. (Pediatrics).
ROMUALDEZ, EDUARDO (Finance).
SALCEDO, JR. JUAN (Medicine, Physiology and Biological Chemistry).
SANTOS, ALEJANDRO DE (Remedial Law Review).
TOBIAS, PABLO D. (Accountancy).
TOLENTINO, ARTURO M. (Persons and Family Relations, Obligations and Contracts).
TORRES, JOSE L. (Accountancy).
TRINIDAD, JOSE P. (Finance).
VETO, WILLIAM L. (Transportation and Public Service Law).
ZAGUIRRE, JAMIE C. (Neuropsychiatry).

LECTURERS WITH THE STATUS OF PROFESSORS:

AGLORO, JAIME R. (Criminal Law, Roman Law, Legal History)
AGUILAR, FRANCISCO (Orthopædics).
ALEJANDRO, JOSE P. (Taxation, Labour and Industrial Law).
ANZURES, PABLO (Legal Medicine, Legal Forms and Brief Making, etc.)
AQUINO, DIONISIO I. (Botany).
AZURIN, JESUS C. (Epidemiology).
BATACAÑ, DELFIN F. L. (Constitutional Law, Philippine Political Law).
CRUZ, FEDERICO (Dental Jurisprudence).
DINO, BENVENUTO R. (Plastic and Reconstructive Surgery, Speech Therapy).
ELLA, ZOSIMO C. (Sociology).
FERIA, LUIS R. (Agency, Criminal Procedure).
FERNANDEZ, MANUEL C. (Dermatology).
GUZMAN, FRANCISCO C. (Surgery).
ICASIANO, MARIANO C. (Public Health Administration).
INOCENTES, ABELARDO M. (Orthopædics, Rehabilitation).
JIMENEZ, TIMOTEO B. (Neuro-Opthalmology).
JOCSON, CATALINO T. (Orthopædics).
LANTIN, GREGORIO T. (Legal Medicine, Criminal Law, Criminal Procedure).
LAPEÑA, JOSE (Radiology).
LIMSON, MARCIANO (Neurology).
MACASPAC, ISIDRO (Economics).
MACEDA, SIXTO, JR. (Gynæcology).
MARTINEZ, ARSENIO I. (Labour and Industrial Laws).
MONSOD, PETRONIO G. (Sanitary Engineering, Industrial Hygiene).
NOBLEJAS, ANTONIO H. (Law on Natural Resources, Land Titles and Deeds).
PEÑA, NARCISO (Law on Natural Resources).
POBRE, CONSUELO J. (Pædiatrics).
QUISUMBING, EDUARDO (Botany).
RAMOS, MAXIMO (English).
ROA, BERNARDO (General Pathology).
SALCEDO, ANGEL S. (Military Law, Philippine Political Law, Legal Bibliography).
SANTOS, ARTURO (Obligations and Contracts).
VALDES, BASILIO J. (Surgery).
VALENZUELA, ROSALINDA G. (Biostatistics).

FAR EASTERN UNIVERSITY

QUEZON BOULEVARD, MANILA
Telephone: 3-05-21

Founded 1928 as Institute of Accountancy, incorporated in 1934 as Far Eastern University.

President: TEODORO EVANGELISTA.
Vice-President: NICANOR REYES, JR.
Registrar: ANTONIO T. JÍMENEZ.
Public Relations Officer: ENRIQUE M. JOAQUIN.
Chief Librarian: SALUSTIA M. KALAW.

The Library contains 57,011 volumes.
Number of teachers: 450.

DEANS:

Institute of Accounts, Business and Finance: BELEN E. GUTIERREZ.
Institute of Arts and Sciences: ALEJANDRO R. ROCES.
Institution of Education: LUZ A. ZAFRA.
Institute of Civil Law: JOVITO SALONGA.
Institute of Medicine: LAURO H. PANGANIBAN.
Institute of Technology: HERMENEGILDO R. REYES.

DIRECTORS:

Hospital Director: RICARDO ALFONSO.
Medical Clinic: Dr. AUREO F. GÚTIERREZ.
Physical Education: ALFREDO M. REYES.
School of Nursing (*Graduate Course*)*:* LUCRECIA LLANERA.

FEATI UNIVERSITY
(formerly Feati Institute of Technology)

MANILA
Telephone: 4-59-51

Founded 1946

President: Dr. VICTORIA L. DE ARANETA, DR.BUS.ADM.
Executive Vice-President: G. Y. ZARA, D.SC.
Executive Secretary: H. B. BIÑAS, A.B., LL.B.

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Registrar: PEDRO M. GANCHORRE, E.T.C., B.S.E.
Librarian: FLORO L. PERITO, A.F.S., B.S.E.

The library has 19,694 vols.

Number of teachers: 550.
Number of students: 16,163 men, 2,162 women.

DEANS:

Graduate School: G. Y. ZARA, D.SC.
Institute of Engineering and Technology: G. Y. ZARA, D.SC.
Institute of Science: G. Y. ZARA, D.SC.
Institute of Architecture: ALEJANDRO ARELLANO, B.S.ARCH.
Institute of Liberal Arts and Education: DANIEL M. SALCEDO, PH.B., M.A., ED.D.
Institute of Business Administration: RODOLFO ANDAL,
Institute of Research: G. Y. ZARA, D.SC.
Institute of Vocational and Technical Education: S. A. OPEÑA, B.S.M.E.

UNIVERSITY OF MANILA

665 ALEJANDRO VI, SAMPALOC, MANILA
Telephone: 3-38-03
Founded 1913.

President: HELEN D. SANTOS.
Executive Vice-President: VIRGILIO DE LOS SANTOS.
Asst. Treasurer: OPHELIA ELEOSIDA-SANTOS.
Administrative Officer: FLOR DE LYS SANTOS-HOUSTON.
Registrar: EUFEMIO C. DOMINGO.
Chief Librarian: LETICIA SANTOS-DOMINGO.

Publications: *The Campus Leader, The University of Manila Journal of East Asiatic Studies, The Law Gazette.*

DEANS:

College of Liberal Arts: RUBÉN EUGENIO.
College of Law: VIRGILIO DE LOS SANTOS.
College of Business Administration: VALENTIN A. FRANCISCO.
College of Education: ENCARNACIÓN R. LOZADA.
School of Foreign Service: CHARLES O. HOUSTON, Jr.

PROFESSORS:

ALAGAR, FILOMENO (Zoology, Science).
ALBA, LEODEGARIO S. (Commercial Law).
ALLEN, NATIVIDAD M. (Education).
ARAMBULO, ROSARIO LLANES (Botany and Science).
ARCILLA, RICARDO A. (Sociology, Philosophy).
ARUEGO, JOSE M. (Constitutional Law, Political Law, Political Science).
BUÑAG, MAXIMINO (Education).
CALIP, JOSÉ (History).
CASTILLO, INOCENCIA L. (Science, Education).
COQUIA, JORGE (Jurisprudence, Roman Law).
DOMINGO, EUFEMIO (Spanish, Law).
DOMINGO, LETICIA S. (Library Science).
ELEOSIDA, GREGORIO T. (Accountancy).
EUGENIO, RUBÉN J. B. (History, Political Science).
FRANCISCO, VALENTIN A. (Accounting, Economics, Political Science).
HOUSTON, CHARLES O., JR. (History).
HOUSTON, FLOR DE LYS SANTOS (English).
JAMIAS, CARMELO J. (English).
JOVEN, MARCIANO (Political Science).
JURADO, DESIDERIO P. (Civil Law).
LEON, JACINTO R. DE (Filipino).
LOZADA, ENCARNACIÓN R. (Education, Mathematics, Psychology).
MIRANDA, GREGORIO (Economics).
NOLASCO, RAMON (Civil Procedure).
PAREDES, JESUS (Criminology).
PÉREZ, PRIMITIVA (Education).
RAMOS, DAMACENO (Business Mathematics, Statistics).
RAQUEL, MARCIANO (Education, Psychology).
SAGMIT, DEMETRIO (Chemistry).
SANTOS, ALBINA J. (Education).
SANTOS, ALEJANDRO DE (Civil Procedure).
SANTOS, CORDELIA LL. DE LOS (Home Economics).
SANTOS, VIRGILIO DE LOS (Political Law, International Law).
TAGLE, EDUARDO (Civil Law).
VENTURA, FRANCISCO (Land Registration and Criminal Procedure).
VILLAMOR, JULIO (Law).

MANILA CENTRAL UNIVERSITY

OROQUIETA, MANILA
Telephone: 3-77-69
Founded 1904.

President: FILEMON TANCHOCO.

DEANS:

College of Medicine: ALFREDO L. ORTIZ.
College of Pharmacy: JOSE MENCIAS (Acting).
College of Dentistry: JOSE REFERENTE.
College of Liberal Arts and Education; and Normal College: Dr. EUGENIA REUS-BEUCLER.
College of Business Administration: DELFIN T. MUSNI.
College of Nursing: ADELA CAMPOS.
School of Midwifery: Dr. GUILLERMO DEL CASTILLO.
Graduate School of Pharmacy: Dr. ALFREDO L. GUERRERO.
Graduate School of Business Administration: ISRAEL MALAPITAN (Acting).

MANUEL L. QUEZON UNIVERSITY

916 R. HIDALGO, QUIAPO, MANILA
Telephone: 3-05-41
Founded 1947

President: LEONCIO B. MONZON.

Number of students: 7,000.

DEANS:

Faculty of Law: LEONCIO B. MONZON.
Faculty of Arts and Science: AGUSTIN A. ALONZO.
Faculty of Commerce: HORACIO LAVA.
Faculty of Education: FRANCISCA B. R. TRINIDAD.
Faculty of Graduate Studies: AUGUSTO A. ITURRALDE.
Faculty of Engineering and Architecture: FELIX V. ESPINO.

MINDANAO STATE UNIVERSITY

MARAWI CITY
Telephone: 2-2-2
Founded 1961

President: Dr. ANTONIO ISIDRO.
Registrar: MAUYAG TAMANO.

Number of teachers: 48.
Number of students: 915.

PROFESSORS:

Dr. BENICIO CATAPUSAN.
Dr. CHARLES WOOD.
Prof. DOMICIANO VILLALUZ.

NATIONAL UNIVERSITY

551 LIPA STREET, SAMPALOC, MANILA
Telephone: 6-64-31
Founded 1900.

President: DOMINGO L. JHOCSON.
Educational Consultant: BENITO PANGILINAN.
Registrar: VICENTE C. QUIMBO.
Head of Graduate School: Dr. ELIAS F. BUMATAY.

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DEANS:

College of Law: Dr. PEDRO Y. YLAGAN.
College of Commerce: LETICIA J. PAGUIA.
College of Dentistry: Dr. FEDERICO A. EUGENIO.
College of Pharmacy: MARIA V. GUTIERREZ.
College of Education: BENITO PANGILINAN.
College of Liberal Arts: Dr. ELIAS F. BUMATAY.
College of Engineering and Architecture: EPIFANIO N. SALUMBIDES, Jr.

UNIVERSITY OF NEGROS OCCIDENTAL-RECOLETOS

BACOLOD CITY

Telephone: 569

Founded 1941

Rector: Very Rev. Fr. FEDERICO TERRADILLOS, O.S.R.A., PH.B.
Registrar: JOSE MA. KILAYKO, A.B., LL.B.
Librarian: CRISTINA NATAL BARRERA, B.S.E.

Number of teachers: 84.
Number of students: 3,589.
Publications: *The Tolentine Star.*

DEANS:

Graduate School: TIBURCIO J. TUMBAGAHAN, A.B., M.A., ED.D.
Liberal Arts: DOMINADOR Y. ZARAGOZA, B.S.E., A.B., M.A.
Law: JOSE Y. MONTALVO, Jr., A.A., LL.B.
Education: SUSANA T. PADILLA, E.T.C., B.S.E., A.B., M.A.
Commerce: EDUARDO L. LABAYON, B.S.C., C.R.A.
Pharmacy: FLORA A. CONSUNJI, B.S.PHARM.
Engineering: VICENTE T. BOOT, B.S.C.E.
High School Department: LETICIA M. DE LA RAMA, B.S.E., M.A.
Elementary Department: GLORIA M. TAJANLANGIT, E.T.C., B.S.E.

UNIVERSITY OF NUEVA CACERES

NAGA CITY

Founded 1948

President: Dr. JAIME HERNANDEZ.
Number of students: 3,439.

DEANS:

College of Liberal Arts: BIENVENIDO N. SANTOS.
College of Engineering: JOSE F. ORDONEZ.
College of Commerce: PERFECTO PALMA.
College of Education: J. B. SOLER.
College of Law: JOSE T. SURTIDA.

PHILIPPINE WOMEN'S UNIVERSITY

TAFT AVENUE, MANILA

Telephone: 5-96-61

Founded 1919.

Chairman of the Board of Trustees: Dr. CONRADO BENITEZ.
Vice-Chairman: TOMAS C. BENITEZ.
President: Dr. FRANCISCA TIRONA-BENITEZ.
Executive Vice-President: HELENA Z. BENITEZ.
General Secretary: LETICIA PEREZ DE GUZMAN.
Registrar: SALUD O. LUSTRE.
Director, University Services: Dr. REMEDIOS NOGUERA.
Librarian: ELOISA OSORIO CANLAS.

Number of teachers: 377.
Number of students: 5,930.

Publications: *The Philwomenian, The Maroon and White, Newsletter, The Philippine Educational Forum,* etc.

DEANS AND HEADS OF DEPARTMENTS:

College of Home Economics: Dr. MARIA FE ATIENZA.
College of Liberal Arts and Sciences: AMALIA MATA MONTECILLO.
College of Pharmacy: Dr. ELVIRA FERMIN-SILVA.
College of Music and Fine Arts: LUCRECIA R. KASILAG.
College of Education: Dr. PURA MEDINA FLORES.
College of Business Administration: SOLEDAD B. CABREZA.
Graduate School: Dr. MARIA CID PERALTA.
Philippine Women's College, Iloilo Branch: Miss ELOISA T. YULO (Acting).
Philippine Women's College, Davao Branch: ROSA SANTOS-MUNDA.
Institute of Human Relations: Dir. Dr. ESTEFANIA ALDABA-LIM.
Community College: LETICIA P. DE GUZMAN.
Community Extension Service: Dir. JOSEFA JARA MARTINEZ (*Director*).
Department of Nutrition: Dr. ANGELINA A. BAYAN.
Graduate School of Social Work: Dr. ANGELINA C. ALMANZOR.
High School Department: JULIA J. CALIXTO (*Principal*).
Natural Sciences Research Centre: Dr. LUZ OLIVEROS-BELARDO.
Child Education Department: DOREEN B. GAMBOA.
Moral Social and Civic Education: ANTONIO V. ULGADO.
Freshman Division: PURIFICAION MANZO TORRES.
Intern's School: FRATERNIDAD J. GONZALEZ.
Institute of Filipino Language and Culture: PARALUMAN SANTOS ASPILLERA.
Bayanihan Folk Arts Center: HELENA Z. BENITEZ.
Department of Biological Sciences: MARIA TOLENTINO-VALLARTA.
Department of Chemistry: GUADALUPE AGENA (*Admin. Officer*).
Health Center: Dr. NELLY ANGELA HERRERA (*Director*).

UNIVERSITY OF THE PHILIPPINES

DILIMAN, RIZAL

Telephone: 7-99-36

Founded 1908.

A State University.

President: Dr. CARLOS P. ROMULO.
Executive Vice-President: Dr. ENRIQUE T. VIRATA.
Vice-President for External Studies: Dr. ALFREDO T. MORALES.
Vice-President for Agricultural and Forestry Affairs: Dr. DIOSCORO L. UMALI.
Business Executive: Prof. JOSE C. CAMPOS, Jr.
Dean of Student Affairs: Prof. ARTURO M. GUERRERO.
Registrar: Dr. RAMON C. PORTUGAL.
Secretary: Dr. ONOFRE D. CORPUZ.
Librarian: MARINA G. DAYRIT.

Number of teachers: 1,280.
Number of students: 17,262.

DEANS:

Graduate School of Arts and Sciences: Dr. RICARDO R. PASCUAL.
College of Law: Prof. VICENTE ABAD SANTOS.
College of Business Administration: Prof. CESAR VIRATA.
College of Architecture and Fine Arts: Prof. ENRIQUE RUIZ.
College of Arts and Sciences: Dr. TOMÁS S. FONACIER.

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Graduate College of Education: Dr. ALFREDO T. MORALES.
Institute of Hygiene: Dr. VICTOR C. VALENZUELA.
College of Engineering: Prof. OSCAR BAGUIO.
College of Medicine: Dr. BENJAMIN BARRERA.
College of Nursing: Prof. JULITA V. SOTEJO.
College of Home Economics: Dr. PRESENTACION PEREZ.
College of Agriculture: Dr. DIOSCORO L. UMALI.
College of Pharmacy: Dr. ALFREDO C. SANTOS.
College of Dentistry: Dr. JOSE RODRIGUEZ.
College of Veterinary Medicine: Dr. ARCADIO GONZAGA.
College of Forestry: Prof. GREGORIO ZAMUCO.
College of Fisheries: Prof. NAZARIO PIDLAOAN.
Graduate School of Public Administration: Prof. CARLOS P. RAMOS.
Iloilo College: Dr. PEDRO ABELARDE.
University College: Dr. CESAR A. MAJUL.
U.P. College, Baguio: Dr. RICARDO R. PASCUAL.

DIRECTORS:

Extension Division, Manila: Prof. DAVID G. WICO.
Asian Labor Education Center: RAMON T. JIMENEZ.
Summer Institute: Dr. RAMON C. PORTUGAL.
Statistical Centre: Dr. ENRIQUE T. VIRATA.
Clark Air Base Branch: Dr. TOMAS S. FONACIER (in charge).
Institute of Asian Studies: Dr. RUBEN SANTOS-CUYUGAN.
Institute of Public Administration: Prof. CARLOS P. RAMOS.
Institute of Library Science: Prof. CONSUELO DAMASO (Acting).
Conservatory of Music: Prof. RAMON TAPALES.
Institute of Economic Development and Research: Dr. AMADO A. CASTRO.
Agricultural Credit and Co-operatives Institute: Prof. NATHANIEL TABLANTE.
School of Allied Medical Professors: Dr. BENJAMIN TAMESIS.

PROFESSORS:

ABAD SANTOS, VICENTE (Law).
ABAYA, HERNANDO J. (Philippine Institutions).
ABELARDE, PEDRO E. (Political Science).
AGLIBUT, ANDRES P. (Agricultural Engineering).
AGONCILLO, TEODORO A. (History).
AMBION, BIENVENIDO C. (Law).
ARAGON, POTENCIANO R. (Medical Microbiology).
BAENS, ALFREDO (Obstetrics).
BAGUIO, OSCAR (Mechanical Engineering).
BARRERA, BENJAMIN (Pathology).
BARRIOS, CARLOS A. (Law).
BARTOLOME, CANDIDO C. (Physical Education).
BESA, SOLITA C. (Biochemistry).
BLANDO, JOSE B. (English and Spanish).
BROWN, ADELAIDA B. (Chemistry).
CALMA, VALERIANO C. (Agronomy).
CAMPOS, JOSE C., Jr. (Law).
CARRASCO, EUFRONIO O. (Physiological Hygiene and Nutrition
CASTRO, AMADO A. (Economics).
CATAMBAY, ALEJANDRO B. (Agricultural Engineering).
CENDAÑA, SILVERIO M. (Entomology and Zoology).
DAYRIT, CONRADO (Pharmacology).
DELIZO, TEODORO (Silviculture).
DUALAN, JOSE (Anatomy).
FAVILA, RAYMUNDO A. (Mathematics).
FONACIER, TOMÁS S. (History).
GALVEZ, NICOLAS L. (Soils).
GANZON, GUADALUPE F. (History).
GONZAGA, ARCADIO (Veterinary Physiology and Pharmacology).
GONZALEZ, ARSENIO (Geology).
GUEVARA, SULPICIO (Law).
JONGCO, ARTEMIO (Pediatrics).
LESACA, REYNALDO (Public Health Engineering).
LIN, CHIO-SHIH (Mathematics).
MACEDA, JOSE (Piano).
MAGRO, MELECIO (Physics).
MAJUL, CESAR A. (Political Science and Philosophy).
MALAY, ARMANDO (Journalism and Philippine Institutions).
MANAHAN, CONSTANTINO P. (Gynæcology).
MORALES, ALFREDO T. (English).
NEMENZO, FRANCISCO (Zoology).
OCAMPO, GEMINIANO DE (Ophthalmology and Otorhinolaryngology).
ORILLO, FAUSTINO (Plant Pathology).
ORTIGAS, CRISOSTOMO A. (Mechanics and Mechanical Engineering).
OSTREA, ENRIQUE (Mining Engineering).
PASCUAL, RICARDO R. (Philosophy).
PEREZ, PRESENTACION (Home Economics).
RAMOS, CARLOS P. (Public Administration).
REANTASO, SISEANDO R. (Farm Superintendent).
RODRIGUEZ, JOSE (Dentistry).
ROMULO, CARLOS P. (English).
RUIZ, ENRIQUE (Architecture).
SANTOS, ALFREDO C. (Industrial Pharmacy and Pharmaceutical Chemistry).
SILVA, JOSE (Medicine).
SOLIONGO, I. P. (Philippine Institutions).
SOTEJO, JULITA V. (Nursing).
TABLANTE, NATHANIEL (Agricultural Economics).
TAPALES, RAMON (Violin).
TENMATAY, AUGUSTO (Chemistry).
TORRES, LUIS Jr. (Urology).
TUPAS, MATEO H. (Geology and Geography).
UMALI, DIOSCORO L. (Plant Breeding).
VALENZUELA, VICTOR C. (Biostatistics).
VELASCO, JOSE R. (Plant Physiology).
VELASQUEZ, GREGORIO T. (Botany).
VERA SANTOS, JOSE (Botany).
VILLA, VICTORINO G. (Oral Histology and Pathology).
VILLANUEVA, JOSE (Obstetrics).
VILLANUEVA, LEOPOLDO J. (Agricultural Chemistry).
VIRATA, CESAR A. (Business Administration).
VIRATA, ENRIQUE T. (Mathematics).
YABES, LEOPOLDO Y. (English and Humanities).
YOGORE, MARIANO G. (Parasitology).
ZAMUCO, GREGORIO (Forest Utilization).
ZARCO, ROMEO (Sanitary Bacteriology and Immunology).

UNIVERSITY OF SAN AGUSTIN

GENERAL LUNA STREET, ILOILO CITY
Telephone: 48-41

Founded 1904

Chancellor: Very Rev. Fr. NICOLAS ALONSO, O.S.A.
Vice-Chancellor: Very Rev. Fr. SANTOS ABIA, O.S.A.
Rector: Very Rev. Fr. BIENVENIDO JUNQUERA, O.S.A.
Vice-Rector: Very Rev. Fr. NICANOR LANA, O.S.A.
Secretary-Registrar: Rev. Fr. LUIS MERINO, O.S.A.
Librarian: Rev. Fr. REGINO DIEZ, O.S.A.

Number of teachers: 191.
Number of students: 7,203.

Publications: *The Augustinian, The Augustinian Mirror, The Augustinian Yearbook,* etc.

DEANS:

Graduate School: Rev. Fr. JUAN MANUEL CHAGUCEDA, O.S.A., M.A., PH.D.
College of Law: BENJAMIN H. TIROL, LL.B.
College of Dentistry: Miss LILY FULLEN, D.M.D.
College of Pharmacy: Very Rev. Fr. NICANOR LANA, O.S.A., M.S. IN BIOL.
College of Technology: BENJAMIN HILADO, B.S.ARCH., B.S.C.E.
College of Commerce: ALFREDO JAVELLANA, C.P.A., LL.B.
College of Education: Mrs. JOSEFA C. CASTRO, M.A.
College of Liberal Arts: Rev. Fr. MANUEL FERNANDEZ, O.S.A., M.A.
Normal College: NORBERTO M. SALAMAT, B.S.E., M.A.
High School: Rev. Fr. HORACIO RODRIGUEZ, O.S.A., M.A.
Elementary School: REYNALDO LATAQUIN, E.T.C., B.S.E., B.S.E.ED., M.A.

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UNIVERSITY OF SAN CARLOS

P. DEL ROSARIO STREET, CEBU CITY
Telephone: 24-10, 24-19
Founded 1595

Rector: Very Rev. Fr. HAROLD W. RIGNEY, S.V.D.
Registrar: JOSE V. ARIAS.
Librarian: Rev. Fr. JOSEPH BAUMGARTNER, S.V.D.

Number of teachers: 237.
Number of students: 8,641.

Publications: *The Carolinian, The University Bulletin, Semper Fidelis, San Carlos Law Review, Alumni Newsletter.*

DEANS:

Graduate School: Rev. RUDOLPH RAHMANN, S.V.D., PH.D.
College of Law: FULVIO C. B. PELAEZ, LL.B.
College of Liberal Arts and Sciences: Rev. JOSEPH WATZLAWIK, S.V.D., PH.D. (acting).
Teachers' College: Rev. LAWRENCE BUNZEL, S.V.D., M.A.
College of Commerce: JOSE G. TECSON, M.S.B.A., B.S.B.A.
College of Engineering and Architecture: JOSE A. F. RODRIGUEZ, B.S.C.E.
College of Pharmacy: LUZ S. CATAN, B.S.(PHARM.), M.S.(PHARM.).

UNIVERSITY OF SANTO TOMAS

(The Catholic University of the Philippines)

ESPAÑA STREET, MANILA
Telephone: 3-22-31
Founded 1611.

Chancellor: Very Rev. Fr. ANICETO FERNANDEZ, O.P.
Vice-Chancellor: Very Rev. Fr. JESUS GAYO, O.P.
Rector: Very Rev. Fr. JUAN LABRADOR, O.P.
Secretary-General: Rev. Fr. ANTONIO GONZALEZ, O.P.
Registrar: Dr. NORBERTO DE RAMOS.
Librarian: Rev. Fr. JESUS MERINO, O.P.

Number of teachers: 1,210.
Number of students: 28,469.

Publications: *Thomasian, Varsitarian, Vox Estudiantil, Journal of Medicine, Law Review, Veritas, The Aquinian, Benavides, Unitas, Boletin Ecclesiastico, Blue Quill, Commerce Journal,* etc.

DEANS:

Faculty of Sacred Theology: Rev. Fr. VICTORIANO VICENTE, O.P.
Faculty of Canon Law: Rev. Fr. Dr. BERNABE ALONSO, O.P.
Faculty of Philosophy (Eccl.): Rev. Fr. CIRILO GUTIERREZ, O.P.
Faculty of Civil Law: Dr. ANTONIO M. MOLINA.
Faculty of Medicine and Surgery: Dr. VIRGILIO RAMOS.
Faculty of Pharmacy: Rev. Fr. LORENZO RODRIGUEZ, O.P.
Faculty of Philosophy and Letters: Rev. Fr. ALFREDO PANIZO, O.P.
Faculty of Engineering: JOSÉ INOCENCIO, B.S.C.E.
College of Liberal Arts: Rev. Fr. CIRIACO PEDROSA, O.P.
College of Commerce: Prof. FILEMON DE LAS ALAS.
College of Architecture and Fine Arts: Prof. ANTONIO COVARRUBIAS.
Graduate School: Rev. Fr. VIDAL CLEMENTE, O.P.
Religion: Rev. Fr. FRANCISCO MENDOZA, O.P.
College of Education: Rev. Fr. Dr. JESUS DIAZ, O.P.
College of Nursing: Dr. JESUS BACALA.
Conservatory of Music: Prof. ANONINO BUENAVENTURA.

PROFESSORS:

Faculty of Civil Law:

ABOLA, LEONARDO (Property, Succession and Administration, Obligations and Contracts).
BELMONTE, NICOLAS (Land Titles and Deeds, Evidence).
CAGUIOA, EDUARDO, LL.B. (Civil Law).
CONCEPCION, ROBERTO (Persons and Family Relations, Administrative and Electoral Laws, International Law).
FERIA, JOSE (Civil Procedure, Criminal Procedure, Remedial Law Review).
FERIA, LUIS (Criminal Law, Criminal Law Review).
KARAAN, MARCELO P. (Private Corporations, Law on Natural Resources, Legal and Judicial Ethics).
OBEN, RAMON (Commercial Law).
RAMOS, NORBERTO DE (Philippine Political Law, Public Corporations, Constitutional Law).
SAN JOSÉ, RAMON R. (Practice Court, Legal and Judicial Ethics, Legal Deontology, Philosophy of Religion and the Law).

Faculty of Philosophy and Letters:

STA. MARIA, MERCEDES G. (History and Political Science).
SURLA, MARCELINO (General Science).

Faculty of Medicine and Surgery:

ANTONIO, DOMINGO, Jr., M.D. (Head of Section of Urology).
BARCELON GUEVARA, ANCIETA, M.D. (Head of Section of Physical Diagnosis).
CALMA, CLEMENTE, M.D., F.P.C.S. (Head of Section of Head, Neck and Thorax).
CANIZARES, MIGUEL, A.B., M.D. (Head of Section of Physiology).
CRUZ, ANDRES, M.D. (Physiology and Pharmacology).
ENRILE, RAFAEL, B.S.C., M.D. (Head of Section of Obstetrics).
ESPINO-CABATIT, BELEN (Biochemistry—Fluid and Electrolyte, Nutrition).
EUSEBIO, JESUS (Opthalmology and Otorhinolarygology).
GABRIEL, ANTONIO J. (Parasitology).
GARCIA, ONOFRE, M.D., F.P.S.P. (Microbiology, Parasitology and Preventive Medicine).
GONZALEZ, RODOLFO, M.D., F.P.C.S. (Orthopædic Surgery).
GUERRERO, FORTUNATO S. (Thoracic Surgery).
GUERRERO, RENATO M.A., A.B., M.D. (Pediatrics).
LANTIN, PEDRO T., M.D., D.T.M. (Head of Section of Infectious and Tropical Diseases).
LEGASPI, ALFREDO (Gynecology).
LIBORO, AGUSTIN, A.B., M.D. (Chief Consultant).
MEDINA CUE, ERNESTO, M.D., (Head of Section of Clinical Pathology).
MENDOZA, TELESFORO J., A.B., M.D. (Embryology, Neuro-Anatomy).
PARDO, LEOPOLDO, A.B., M.D. (Head of Section of Neurology and Psychiatry).
RAMOS, VIRGILIO (Orthopedic Surgery).
REYES, EDMUNDO A., A.B., M.D. (Ophthalmology).
SANTILLAN-BAENS PAZ (Obstetrics).
SANTOS, HERMOGENES A., M.D. (Head of Section of Internal Medicine).
SURLA, CASTOR T., A.B., M.D., F.P.C.S. (Head of Section of Abdominal Surgery).
VALDES, BASILIO J., A.B., M.D., F.P.C.S. (Orthopædic Surgery).
VITUG, WENCESLAO, M.D. (Head of Section of Renal and Endocrinological Diseases).

Faculty of Pharmacy:

ALZONA-ATIENZA, BERNARDITA (Pharmacology, Physiology and Microbiology).
BELMONTE, CARMEN M. (Pharmacognosy).
CAMPOS, JUSTINA E. (Pharmacy, Biochemistry, Toxicology, Zoology, Galenicals).
CARREON, FELIPE (Chemistry, Commercia } Pharmacy, Plant Chemistry).
DAYCO, JOSE (Practice of Pharmacy and Dispensing).
DIY, ALFREDO (Pharmacognosy, Pharmaceutical Chemistry, Quantitative Chemistry, N.N.R., Qualitative Chemistry, Library Science).
LIMCACO, PEDRO (Organic Chemistry).
LUGAY, JOSE, JR. (Qualitative Chemistry, Electives, Manufacturing Pharmacy).
MARAÑON, JOAQUIN (Plant Chemistry, Seminar).
REYES, ANGEL (Pharmacy, Latin, Biochemistry, Toxicology, History of Pharmacy).
SURLA, MARCELINO T. (Zoology, Botany, Mathematics).
VALERIANO, LETICIA A. (Botany, Pharmacognosy, Electives, Pharmaceutical Chemistry, Biochemistry, Pharmacodynamics).

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Faculty of Engineering:

INOCENCIO, JOSE (Structural Engineering).
MIJARES, JOSÉ M., B.S.C.E.
NATIVIDAD, MARCIANO (Mining and Geological Engineering).
TRONQUED, ANGEL, B.S.C.E.
TY HOANCHAY, FELIX (Chemical Engineering).

College of Liberal Arts:

DIAZ, CONCEPCION (Mathematics).
ESGUERRA, ALFREDO (Physics).
ESTRADA, JOSEFA G (Political and Social Science).
GARCIA, CAROLINA (English).
JOSÉ, ROSARIO (Mathematics and Physics).
LECAROZ, LOURDES (Spanish).
LEONOR, CONCEPCION (Mathematics and Physics).
MERCHAN, BERNARDO (Zoology and Botany).
MORENO, ELVIRA (Political and Social Science).
MOSESGELD, CONCEPCION (Chemistry).
OCAMPO, REMEDIOS (Zoology and Botany)
PEDROSA, Rev. Fr. CIRIACO (Mathematics and Physics).
PEREZ, CONCEPCION (Spanish).
POZON, FLORENTINO (Zoology and Botany).

College of Commerce and Business Administration:

APACIBLE, MARIANO B. (Accounting).
KAMANTIGUE, JACINTO M. (Banking, Finance, Economics and Taxation).
MATEOS, Rev. Fr. PEDRO (Management, Finance, Business Ethics and Business Psychology).
MOSSESGELD, AQUILES F. (Accounting, Banking and Insurance).

College of Architecture and Fine Arts:

AUSTRIA, ALFREDO F. (Plane Surveying, Trigonometry).
EDADES, VICTORIO (Mural Decoration).
MEDINA CUE, JOSE (Physics, Mechanics and Strength of Materials).
MONTANER, MIGUEL (Surveying, Differential Calculus, Integral Calculus and Acoustics).
NAKPIL, ANGEL E. (Town Planning).
OCAMPO, GALO B. (Design and Colour, Stained Glass, Mural and Heraldry).

Graduate School:

CLEMENTE, VIDAL, O.P. (Philosophy).
CUESTA, JOSE O.P. (Social Sciences).
HERNANDEZ, JOSE (English Literature).
JUAN, Fr. JACINTO DE, O.P. (Mathematics).
MELO, RUFINO (Economics).
MERINO, R. Fr. JESÚS (Philosophy).
PANIZO, Fr. ALFREDO (Philosophy).
PIÑON, R. Fr. ANTONIO, O.P. (Philosophy, Social Science).
QUISUMBING, EDUARDO (Morphology of Medicinal Plants, Economic Botany).
RODRIGUEZ, Fr. LORENZO (Pharmacy, Deontology).
WILMARTH, RAYMOND (Economics).

SILLIMAN UNIVERSITY

DUMAGUETE CITY, NEGROS ORIENTAL

Founded 1901

President: Dr. CICERO D. CALDERON.
Executive Vice-President: Dr. ROBERT B. SILLIMAN.
Registrar: RAYMUNDO R. DATO.
Treasurer: MANUEL B. UTZURRUM.
Librarian: GORGONIO D. SIEGA.

Library of 71,000 vols.
Number of teachers: 177, including 11 professors.
Number of students: 2,956.

Publications: *The Silliman Journal* (quarterly), *Sillimanian Magazine* (three times a year), *The Sillimanian* (fortnightly), *Sands and Coral* (annual literary magazine), *Portal* (yearbook), *Alumni Bulletin* (quarterly), *Junior Sillimanian Magazine* (three times a year).

DEANS:

College of Arts and Sciences: MERTON D. MUNN.
College of Engineering: JUAN B. ESCARDIA.
College of Law: CICERO D. CALDERON.
College of Theology: PAUL T. LAUBY.
College of Nursing: MARIA CONCEPTION ROBLE.
Graduate School: HERMAN C. GREGORIO.

PROFESSORS:

ARQUIZA, LINO Q. (Education).
FAUROT, ALBERT L. (Music).
GAUDIEL, FELIX G. (Civil Law).
GREGORIO, HERMAN C. (Education).
IMPERIAL, GERARDO A. (Chemistry).
LAUBY, PAUL T. (Bible and Practical Theology).
LYCAN, GILBERT LESTER (History).
MUNN, MERTON D. (Education).
RABOR, DIOSCORO S. (Biology).
SILLIMAN, METTA J. (English).
TIEMPO, EDILBERTO K. (English).
TIEMPO, EDITH L. (English).
TUGADE, RODRIGO R. (International Law).

UNIVERSITY OF SOUTHERN PHILIPPINES

MABINI STREET, CEBU CITY

Telephone: 2926

President: AGUSTIN JEREZA.
Number of students: 3,000.

DEANS:

College of Liberal Arts: ELOISA LOPEZ.
College of Law: VICENTE FAELNAR.
College of Engineering: OSCAR JEREZA.
College of Commerce: JUAN ALBURO.
College of Education: MARTIN GUINID.
Graduate School: PEDRO DIMAYA.

SOUTHWESTERN UNIVERSITY

CEBU CITY

Founded 1946

President: Mrs. ANUNCIACION B. AZNAR.
Number of students: 8,130.

DEANS:

Faculty of Medicine: MANOLO FORNOLLES.
Faculty of Law: PRIMITIVO SATO.
Faculty of Liberal Arts: GABINO TABUÑAR.
Faculty of Dentistry: EDITH ZAGALA.
Faculty of Optometry: LOURDES GOTINGCO.
Faculty of Commerce: SEGUNDINO TORREFRANCA.
Faculty of Pharmacy: Mrs. RIZALINA GANZON.
Faculty of Engineering: MARIANO BARCENILLA.
Faculty of Education: SING GING SU.

UNIVERSITY OF THE VISAVAYAS

CEBU CITY

Founded 1919

President: VICENTE GULLAS.
Number of students: 6,500.
Colleges of Arts, Commerce, Law, Education, Business Administration.

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XAVIER UNIVERSITY

CAGAYAN DE ORO CITY

Founded 1933

President: JAMES J. MCMAHON, S.J.

DEANS:

Faculty of Law: HERNANDO PINEDA.

Faculty of Arts and Science: JAMES MCKEOUGH, S.J.

Faculty of Education: MANUEL GAPUZ.

Faculty of Commerce and Business Administration: CLAUDIO AMIT.

Faculty of Engineering: CESAR SIT.

Faculty of Agriculture: WILLIAM MASTERSON.

COLLEGES

Namei Polytechnic Institute: 524 Sales, Santa Cruz, Manila; f. 1947; courses in naval architecture, mechanical, electrical, civil, chemical, diesel, automotive, refrigeration, radio and marine engineering, ship drafting, industrial chemistry and surveying; Pres. FELIX PADILLA; Dir. ARTEMIO Q. PASADAS; Registrar LEOPOLDO Z. SO.

Baguio Technical and Commercial College: P.O. Box 68, Baguio City; Pres. FERNANDO BAUTISTA; Registrar Mrs. APOLONIA D. ACADEMIA; Deans: Commerce ISABELO V. DACONES, Liberal Arts WILFREDO A. WI, Engineering GAUDENCIO SOLIVEN, Education Mrs. ROSA C. BAUTISTA, Home Economics Mrs. ILUMINADA C. BOADO; 113 teachers, 3,500 students; publs. *The Dynamo, Red and White.*

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POLAND

Population 30,133,000

POLISH ACADEMY OF SCIENCES

PALACE OF CULTURE AND SCIENCES, WARSAW
Founded 1952

President: Prof. JANUSZ GROSZKOWSKI.
Vice-Presidents: Prof. ALEKSANDER KRUPKOWSKI, Prof. KAZIMIERZ KURATOWSKI, Prof. WITOLD STEFAŃSKI.
Scientific Secretary: Prof. HENRYK JABLONSKI.
Deputy Scientific Secretaries: Prof. IGNACY MALECKI, Prof. MAURYCY JAROSZYŃSKI, Prof. WITOLD NOWACKI
Secretary of Section I: Prof. STEFAN ŻÓŁKIEWSKI.
Secretary of Section II: Prof. KAZIMIERZ PETRUSEWICZ.
Secretary of Section III: Prof. MICHAŁ SMIAŁOWSKI.
Secretary of Section IV: Prof. FRANCISZEK MISZTAL.
Secretary of Section V: Prof. ANATOL LISTOWSKI.
Secretary of Section VI: Prof. ANDRZEJ BIERNACKI.

MEMBERS OF PRAESIDIUM:

ARNOLD, STANISŁAW.
DEGA, WIKTOR.
DEMBOWSKI, JAN.
HOBLER, TADEUSZ.
HÜCKEL, STANISŁAW.
INFELD, LEOPOLD.
JAKUBOWSKI, JANUSZ LECH.
KOTARBIŃSKI, TADEUSZ.
KOZŁOWSKI, ROMAN.
LESZCZYCKI, STANISŁAW.
MANTEUFFEL, TADEUSZ.
MICHAJLOW, WŁODZIMIERZ.
MICHAŁOWSKI, KAZIMIERZ.
NIEWODNICZÁNSKI, HENRYK.
NOWACKI, PAWEŁ.
NUNBERG, MARIA.
OLSZAK, WACŁAW.
PIENIĄŻEK, SZCZEPAN.
PIJANOWSKI, EUGENIUSZ.
SCHAFF, ADAM.
SIERPIŃSKI, WACLAW.
SZAFER, WŁADISŁAW.
TRZEBIATOWSKI, WŁODZIMIERZ.
URBAŃSKI, TADEUSZ.
WASILKOWSKI, JAN.

Central publs. *Bulletin de L'Académie Polonaise des Sciences:* Series of *Biological Sciences* (monthly), Series of *Mathematical, Astronomical and Physical Sciences* (monthly), Series of *Chemical Sciences* (monthly), Series of *Geological and Geographical Sciences* (quarterly), Series of *Technical Sciences* (monthly), *Nauka Polska* (quarterly), *The Review of the Polish Academy of Sciences* (quarterly), *Zurnal Polskoi Akademii Nauk* (quarterly, Russian version), *Zeszyty Problemowe Nauki Polskiej* (periodical).

Section I—*Social Sciences (Philosophy, History, Philology, Literature, Art, Economics, Law).*

MEMBERS:

ANTONIEWICZ, WŁODZIMIERZ.
ARNOLD, STANISŁAW.
CHAŁASIŃSKI, JÓZEF.
DABROWSKI, JAN.
DÓROSZEWSKI, WITOLD.
GASIOROWSKA, NATALIA.
INGARDEN, ROMAN.
JABŁOŃSKI, HENRYK.
KLEMENSIEWICZ, ZENON.
KOSTRZEWSKI, JÓZEF.
KOTARBINSKI, TADEUSZ.
KRZYZANOWSKI, JULIAN.
KUMANIECKI, KAZIMIERZ.
KURYŁOWICZ, JERZY.
LANGE, OSKAR.
LEHR-SPŁAWIŃSKI, TADEUSZ.
LIPIŃSKI, EDWARD.
ŁOWMIAŃSKI, HENRYK.
MANTEUFFEL, TADEUSZ.
MICHAŁOWSKI, KAZIMIERZ.
PIGOŃ, STANISŁAW.
PIWARSKI, KAZIMIERZ.
ROZMARYN, STEFAN.
SINKO, TADEUSZ.
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Poniz, Wenczesław.
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Kacprzak, Marcin.
Konorski, Jerzy.
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Laskowski, Jozef.
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Andrejew, Nikolaj Nikolajewicz, U.S.S.R.
Artamonow, Michail Illarianovich, U.S.S.R.
Bandinelli, Ranuccio Bianchi, Italy.
Basdevant, Jules, France.
Benveniste, Emile, France.
Bernal, John Desmond, Fellow of the Royal Society, London.
Blanquet, Josias Braun, France.
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Sokolovsky, Vadim Vasilievich, U.S.S.R.
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ACADEMY OF SCIENCES—AFFILIATED SOCIETIES

Instytut Zachodni (*Western Institute*): Poznań, Stary Rynek 2; f. 1945; for the study of Polish-German relations up to the present of Polish western territories, and of Western economic, political, social and cultural matters; Dir. Prof. Dr. Michał Sczaniecki; publ. *Przegląd Zachodni* (bi-monthly), *Polish-Western Affairs* (bi-annual).

Gdańskie Towarzystwo Naukowe (*Gdańsk Scientific Society*): Gdańsk, Al. Zwycięstwa 57; f. 1922 as Gdańsk Society of Friends of Science and Art; 227 mems.; Pres. Prof. Dr. Wacław Balcerski; Sec. Prof. Dr. Józef Sawlewicz.

Sections:

Social Sciences and Humanities: Chair. Doc. Dr. Ludwik Bandura; publ. *Rocznik Gdański*.

Biology and Medicine: Chair. Prof. Dr. Bożydar Szabuniewicz; publ. *Acta Biologica et Medica*.

Mathematics and Natural Sciences: Chair. Prof. Dr. Henryk Ellert; publ. *Rozprawy Matematyczno-Pizyrodnicze*.

Technical Sciences: Chair. Prof. Aleksander Potyrata; publ. *Acta Technica Gedanensia*.

Instytut Śląski (*Silesian Institute*): Opole, Luboszycka 3; f. 1957; Pres. Prof. Dr. Stanisław Rospond; Dir. Doc. Dr. Roman Lutman; publs. *Studia Śląskie, Komunikaty*.

Kierunki: Warsaw, ul. Mokotowska 43; f. 1956; Catholic; cultural and social; Dir. Bolesław Piasecki; publ. *Kierunki*.

Łódzkie Towarzystwo Naukowe (*Łódź Scientific Society*): Łódź, Sienkiewicza 29; f. 1936; Pres. Tadeusz Kotarbiński; Sec. Jan Dylik; publ. *Rozprawy Komisji Językowej, Biuletyn Peryglacjalny, Bulletin de la Société des Sciences et des Lettres de Łódź, Sprawozdania z Czynności i Posiedzeń Łódzkiego Towarzystwa Naukowego, Przegląd Socjologiczny, Societatis Scientiarum Łodziensis Acta Chimica, Zagadnienia Rodzajów Literackich, Prace Polonistyczne*, and others.

Opolskie Towarzystwo Przyjaciół Nauk (*Opole Society of Friends of Science*): Opole, ul. Zamkowa 2; Pres. Prof. Dr. M. Horn.

Płockie Towarzystwo Naukowe (*Płock Scientific Society*): Plock, Plac Narutowicza 8; f. 1820; 198 mems.; Pres. Tadeusz Gierzyński; Sec. Franciszek Dorobek; publ. *Notatki Plockie* (quarterly).

Polskie Towarzystwo Anatomiczne (*Polish Anatomical Society*): Warsaw, Chałubińskiego 5; f. 1929; Pres. Prof. M. Stelmasiak; Sec. Dr. Z. Bielańska-Osuchowska; publ. *Folia Morphologica*.

Polskie Towarzystwo Antropologiczne (*Polish Anthropological Society*): Białystok, ul. Kilińskiego 1; f. 1925; Pres. Prof. Dr. Tadeusz Dzierżykray-Rogalski; Sec. Prof. Dr. Halina Milicerowa; publ. *Przegląd Antropologiczny; Człowiek w. Czasie i Przestrzeni*.

Polskie Towarzystwo Anatomopatologów (*Polish Society of Pathologists*): Warsaw, Chałubińskiego 5; f. 1958; Pres. Prof. Dr. Ludwik Paszkiewicz.

Polskie Towarzystwo Archeologiczne (*Polish Archæological Society*): Warsaw, Jezuicka 6; f. 1953; Pres. Józef Kostrzewski; Sec. Krzysztof Dąbrowski; publs. *Z Otchłani wieków, Wiadomosci Numizmatyczne, Przegląd Archeologiczny, Biblioteka Archeologiczna, Popularno-Naukowa Biblioteka Archeologiezna*.

Polskie Towarzystwo Astronautyczne (*Polish Astronautical Society*): Warsaw, Pałac Kultury i Nauki, pok. 2307; f. 1956; 500 mems.; Pres. Prof. M. Lunc; Vice-Pres. Prof. Z. Paczkowski, Prof. J. Walawski; Sec.-Gen. Ing. O. Wolczek; publ. *Astronautyka* (quarterly).

Polskie Towarzystwo Astronomiczne (*Polish Astronomical Society*): Warsaw, Al. Ujazdowskie 4; 120 mems.; Pres. Prof. Dr. A. Opolski; publ. *Postępy Astronomii* (Progress in Astronomy).

Polskie Towarzystwo Biochemiczne (*Polish Biochemical Society*): Warsaw, Freta 16; f. 1958; Pres. Prof. Dr. Bronisław Filipowicz; Sec. Dr. Zofia Zielińska.

Polskie Towarzystwo Botaniczne (*Polish Botanical Society*): Warsaw, Krakowskie Przedmieście 26/28; f. 1922; 1,120 mems.; library of 14,700 vols.; Pres. Prof. Dr. H. Telezyński; Sec. Prof. Dr. T. Gorczyński; publs. include *Acta Societatis Botanicorum Poloniae, Acta Agrobotanica, Monographiae Botanicae, Rocznik Sekcji Dendrologicznej Pol. Tow. Bot., Wiadomości Botaniczne*.

Polskie Towarzystwo Chemiczne (*Polish Chemical Society*): Warsaw, ul. Freta 16; f. 1919; 1,450 mems.; Pres. Prof. Dr. Alicja Dorabialska; publs. *Wiadomości Chemiczne* (Chemical News), *Annales Societatis Chimicae Polonorum, Roczniki Chemii* (Annals of Chemistry) (monthly), *Komunikat Zarádu Polskiego Towarystwa Chemicznego* (occasional).

Polskie Towarzystwo Ekonomiczne (*Polish Economic Society*): Warsaw, Nowy Świat 49; f. 1918; 3,873 mems.; Pres. Prof. Dr. Edward Lipiński; Scientific Sec. Prof. Dr. Mirosław Orłowski; publs. *Ekonomista, Przegląd Statystyczny* (Statistical Review).

Polskie Towarzystwo Endokrynologiczne (*Polish Endocrinological Society*): Warsaw, Starynkiewicza 3; f. 1951; 500 mems.; Pres. Doc. Dr. Med. Jerzy Teter; publs. bi-monthly Journal with English and Russian summaries.

Polskie Towarzystwo Farmaceutyczne (*Polish Pharmaceutical Society*): Warsaw, 16 Długa Str.; f. 1925; Pres. Prof. Dr. Stanisław Krauze; Sec. Dr. Leszek Krówczyński; publ. *Acta Poloniae Pharmaceutica*.

Polskie Towarzystwo Filologiczne (*Polish Philological Society*): Warsaw University, Krakowskie Przedmieście 26/28; f. 1893; 400 mems.; Pres. Kazimierz Kumaniecki; Gen. Sec. Dr. Maria Cytowska; publ. *Eos*.

Polskie Towarzystwo Filozoficzne (*Polish Philosophical Society*): Warsaw, Pałac Kultury i Nauki 1623; f. 1904; Pres. Prof. Dr. Tadeusz Kotarbiński.

Polskie Towarzystwo Fizjologiczne (*Polish Physiological Society*): Lublin, Lubartowska 85; f. 1936; to promote scientific activity in all fields of physiology; 350 mems.; Pres. Wiesław Hołobut; Sec. Władysław Stązka; publ. *Acta Physiologica Polonica*.

Polskie Towarzystwo Fizyczne (*Polish Physical Society*): Warsaw, Hoza 69; f. 1921; 700 mems.; Chair. Prof. A. Jabłoński; Sec. Dr. Danuta Frąckowiak; publ. *Postępy Fizyki* (Advances in Physics—in Polish), *Acta Physica Polonica* (in English, French, and German).

Polskie Towarzystwo Geograficzne (*Polish Geographical Society*): Warsaw, Krakowskie Przedmieście 30; f. 1917; 2,000 mems.; Pres. Prof. Dr. J. Kondracki; Sec. Mme. J. Saloni; publs. *Czasopismo Geograficzne* (quarterly), *Poznaj Świat* (monthly).

Polskie Towarzystwo Geologiczne (*Polish Geological Society*): Cracow, Oleandry 2a; f. 1921; 960 mems.; library of 11,438 vols.; Pres. Prof. Dr. H. Świdziński; Sec. Dr. R. Unrug; publ. *Rocznik Polskiego Towarzystawa Geologicznego* (Year Book of the Polish Geological Society).

Polskie Towarzystwo Gleboznawcze (*Polish Soil Society*): Warsaw, ul. Wisniowa 61; f. 1937; 640 mems.; Pres. Lucjan Królikowski; Sec. Stanisław Moskal;

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publs. *Roczniki Gleboznawcze, Przegląd Naukowej Literatury Rolniczej i Leśnej.*

Polskie Towarzystwo Higieny Psychicznej (*Polish Mental Hygiene Society*): Warsaw, Łowicka 7/15; f. 1958; Pres. Prof. Dr. KAZIMIERZ DABROWSKI; publ. *Kwartalnik Zdrowia Psychicznego* (quarterly).

Polskie Towarzystwo Historii Medycyny (*Polish Medical History Society*): Warsaw, Chocimska 22; f. 1957; Pres. Prof. Dr. STANISŁAW KONOPKA; Sec. ZBIGNIEW WOŹNIEWSKI; publ. *Archiwum Historii Medycyny* (quarterly).

Polskie Towarzystwo Historyczne (*Polish Historical Society*): Warsaw, Rynek Starego Miasta 31; f. 1886; 2,320 mems.; Pres. Prof. Dr. STANISŁAW HERBST; 39 local branches, 4 research centres; publs. *Przegląd Historyczny* (quarterly), *Sobotka-śląski Kwartalnik Historyczny* (quarterly), *Studia i Materiały do dziejów Wielkopolski i Pomorza* (series), *Matopolskie Studia Historyczne, Komununikaty Mazursko-Warmińskie* (quarterly), *Rocznik Biatostocki, Rocznik dubelski, Rocznik Łódzki, Rocznik Grudziądzki, Rocznik Pilski.*

Polskie Towarzystwo Językoznawcze (*Polish Linguistic Society*): Cracow, Golębia 20; f. 1925; Pres. WITOLD TASZYCKI; Sec. ALFRED ZARĘBA; publ. *Biuletyn Polskiego Towarzystwa Językoznawczego.*

Polskie Towarzystwo Leśne (*Polish Forestry Society*): Warsaw, Wery Kostrzewy 3; f. 1882; 1,761 mems.; Pres. Prof. Dr. FRANCISZEK KRZYSIK; Sec. Mgr. inz. T. PARTYKA; publ. *Sylwan.*

Polskie Towarzystwo Ludoznawcze (*Polish Ethnographical Society*): Wrocław, Nankera 4; f. 1895; Pres. Prof. Dr. JAN CZEKANOWSKI; Sec. Doc. A. L. GODLEWSKI; publs. *Lud, Atlas Polskich Strojów Ludowych, Prace i Materiały Etnograficzne, Prace Etnologiczne, Literatura Ludowa, Archivum Etnograficzne, Biblioteka Popularna, Dzieła Wszystkie O. Kolberga.*

Polskie Towarzystwo Matematyczne (*Polish Mathematical Society*): Warsaw, ul. Śniadeckich 8; f. 1919; 555 mems.; Pres. Prof. Dr. FRANCISZEK LEJA; publs. *Roczniki Polskiego Towarzystwa Matematycznego: Prace Matei matyczne, Wiadomości Matematyczne.*

Polskie Towarzystwo Mechaniki Teoretycznej i Stosowanej (*Polish Society of Theoretical and Applied Mechanics*): Warsaw, Pałac Kultury i Nauki; brs. in Gdańsk, Gliwice, Krakow, Łódź, Poznań, Szczecin, Warsaw, Wrocław; f. 1958; 380 mems.; Pres. Dr. WITOLD WIERZBICKI; Gen. Sec. Dr. ZBIGNIEW OLESIAK; publ. *Bulletin* (quarterly), *Mechanika Teoretyczna i Stosowana* (Theoretical and Applied Mechanics) (quarterly).

Polskie Towarzystwo Meteorologiczne i Hydrologiczne (*Polish Meteorological and Hydrological Society*): Warsaw, Pałac Kultury i Nauki; f. 1947; Pres. Prof. Dr. Ing. JULIAN LAMBOR; Sec. Prof. Dr. WŁADISŁAW PARCZEWSKI; publ. *Przegląd Geofizyczny.*

Polskie Towarzystwo Mikrobiologów (*Polish Society of Microbiologists*): Warsaw, Chocimska 24; Pres. Prof. Dr. JULIUSZ BRILL; Sec. Doc. Dr. ADAM DROZDOWICZ; publs. *Acta Mikrobiologica Polonica, Medycyna Doświadczalna i Mikrobiologica.*)

Polskie Towarzystwo Miłośników Astronomii (*Polish Society of Friends of Astronomy*): Cracow, ul. Ludwika Solskiego 30; f. 1921; 2,400 mems.; Curator Prof. Dr. EUGENIUSZ RYBKA; publs. *Urania* (monthly) and annual scientific supplement.

Polskie Towarzystwo Nauk Weterynaryjnych (*Polish Veterinary Sciences Society*): Warsaw. Grochowska 272; f. 1952; 840 mems.; Pres. Prof. Dr. HELIODOR SZWEJKOWSKI; Vice-Pres. Prof. Dr. TADEUSZ ŻULIŃSKI; publs. *Medycyna Weterynaryjna, Polskie Archiwum Weterynaryjne.*

Polskie Towarzystwo Nautologiczne (*Polish Nautological Society*): Gdynia-Orlowo, Przebendowskich 3; f. 1957; Pres. WITOLD URBANOWICZ; Sec. W. A. DRAPELLA; publ. *Biuletyn Nautologiczny* (monthly).

Polskie Towarzystwo Orientalistyczne (*Polish Oriental Society*): Warsaw, Freta 16; f. 1922; Pres. JAN REYCHMAN; Sec. TADEUSZ POBOŹNIAK; publ. *Przegląd Orientalistyczny.*

Polskie Towarzystwo Parazytologiczne (*Polish Parasitological Society*): Wrocław, C., Norwida 29; f. 1948; 260 mems.; Pres. Prof. Dr. ZBIGNIEW KOZAR; publs. *Wiadomosci Parazytologiczne, Monografie Parazytologiczne.*

Polskie Towarzystwo Przyrodników im. Kopernika (*Polish "Copernicus" Society of Naturalists*): Warsaw, Pałac Kultury i Nauki; f. 1875; Pres. KAZIMIERZ MAŚLANKIEWICZ; Sec. WŁODZIMIERZ KINASTOWSKI; publs. *Wsechświat, Kosmos A.*

Polskie Towarzystwo Psychologiczne (*Polish Psychological Society*): Poznań, ul. Fredry 10; Pres. Prof. Dr. ANDRZEJ LEWICKI; Sec. Doc. Dr. KAZIMIERZ OBUCHOWSKI.

Polskie Towarzystwo Socjologiczne (*Polish Sociological Society*): Warsaw, Krakowskie Przedmieście 3; f. 1957; Pres. Prof. Dr. STANISŁAW OSSOWSKI; Sec. MARIA BIELIŃSKA-HIRSZOWICZ; publ. *Bulletin.*

Polskie Towarzystwo Turystyczno-Krajoznawcze (*Polish Tourist and Countrylovers' Society*): Warsaw, Senatorska 11; f. 1950 for the promotion of mountaineering and scientific research; library of 5,000 vols.; Pres. M. P. GAJEWSKI; publs. *Wierchy* (The Peaks), *Swiatowid* (Tourist Magazine), *Speleologia.*

Polskie Towarzystwo Zoologiczne (*Polish Zoological Society*): Wrocław, Sienkiewicza 21; f. 1935; 958 mems.; Pres. KAZIMIERZ SEMBRAT; Sec. ZBIGNIEW JARA; publ. *Zoologica Poloniae, Przegląd Zoologiczny, The Ring* (quarterlies).

Polskie Towarzystwo Zootechniczne (*Polish Zootechnical Society*): Warsaw, Kaliska 9; f. 1922; Pres. JAN KIELANOWSKI; Sec. JÓZEF LEWANDOWSKI; publ. *Przegląd Naukowej Literatury Zootechnicznej.*

Polski Związek Entomologiczny (*Polish Entomological Union*): Lublin, Głowackiego 2; Pres. Prof. Dr. KONSTANTY STRAWIŃSKI; Sec. Mgr. JANINA GRABOWSKA; publs. *Polskie Pismo Entomologiczne, Klucze do oznaczania owadów Polski.*

Poznańskie Towarzystwo Przyjaciół Nauk (*Poznań Society of Friends of Arts and Sciences*): Poznań, ul. Sew Mielżyńskiego 27/29; f. 1857; 245 ordinary mems., 355 extraord. mems.; Pres. Prof. Dr. STEFAN BARBACKI; Sec.-Gen. Prof. Dr. GERARD LABUDA; publs. scientific, medical, historical, social, legal, philological, and philosophical works, including *Roczniki Historyczne, Roczniki Dziejów Spolecznych i Gospodarczych, Lingua Posnaniensis Slavia Occidentalis, Bulletins de la Société des Amis des Sciences et des Lettres de Poznań*—Series B: *Sciences Mathématiques et Naturelles*, Series C: *Médecine*, Series D: *Sciences Biologiques*; *Badania Fizjograficzne nad Polską Zachodnią, Biuletyn Fonograficzny, Sprawozdania Poznańskiego Towarzystwa Przyjaciół Nauk.*

Szczecińskie Towarzystwo Naukowe (*Szczecin Scientific Society*): Wielkopolska 19; f. 1956; Pres. Prof. Dr. LEON BABIŃSKI; Sec.-Gen. Prof. Dr. STEFAN KOWNAS; Sections (A) Social Sciences, (B) Agriculture and Natural Sciences, (C) Medicine, (D) Technical Sciences and Mathematics; publs. in each section *Series A, B, C, D.*

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Towarzystwo Literackie im. Mickiewicza (*The Mickiewicz Literary Society*): Warsaw, Nowy Świat 72; f. 1886; Pres. Julian Krzyzanowski; Sec. Andrej Koztowski.

Towarzystwo Miłośników Historii i Zabytków Krakowa (*Society of Friends of the History and Monuments of Cracow*): Cracow, Sienna 16; f. 1897; Pres. Prof. Dr. Jan Dąbrowski; Sec. Dr. Wojciech M. Bartel; publs. *Rocznik Krakowski, Biblioteka Krakowska, Kraków Dawniej i Dziś.*

Towarzystwo Miłośników Języka Polskiego (*Society of Friends of the Polish Language*): Cracow, Gołebia 20; Pres. Dr. Zenon Klemensiewicz; Sec. Franciszek Sławski; publ. *Język Polski.*

Towarzystwo Naukowe Organizaeji i Kierownictwa (*Society of Scientific Organisation and Management*): Warsaw, Koszykowa 6; Pres. Prof. Inż. Marian Wakalski; Dir. Mgr. Władysław Rodowicz; publ. *Przegląd Organizacji* (monthly).

Towarzystwo Naukowe Płockie (*Płock Scientific Society*): Płock, Plac Narutowtowicza 8; f. 1820; Pres. Prof. Dr. Tadeusz Gierzyński; Sec. Franciszek Dorobek; publ. *Notatki Płockie* (quarterly).

Towarzystwo Naukowe w Toruniu (*Scientific Society of Toruń*): Toruń, ul. Wysoka 16; f. 1875; 286 mems.; concerned with historical, legal and social studies, philology and philosophy, mathematics and natural sciences; library 19,400 titles; Pres. Prof. Dr. Konrad Gorski; Gen. Sec. Prof. Dr. M. Michniewicz; publs. inclued *Roczniki* (68 vols.), *Fontes* (53 vols.), *Zapiski Historyczne* (27 vols. concerned chiefly with the Pomeranian provinces), *Prace Wydz. Filologicznego, Sprawozdania, Studia Societatis Scientiarum Torunensis.*

Towarzystwo Przyjaciół Nauk w Przemyślu (*Society of Science and Letters of Przemyśl*): Przemyśl, Plac Czackiego 3; f. 1909; Pres. Prof. Dr. F. Persowski; include *Roczniki* (68 vols.), *Fontes* (53 vols.), *Zapiski* Sec.-Gen. Mgr. Z. Felczyński; Editor Dr. K. Wolski.

Union of Polish Composers and Musicologists: Warsaw, Rynek Starego Miasta 27; organises annual Festival of Contemporary Music "The Warsaw Autumn".

Union of Polish Writers: Warsaw, Krakowskie Przedmieście 87.

Wrocławskie Towarzystwo Naukowe (*Wrocław Scientific Society*): Wrocław, Rosenbergów 13; f. 1945; Pres. Edward Marczewski; Sec. Jerzy Łanowski; publs. include *Sprawozdania Wrocławskiego Towarzystwa Naukowego* (Series A: Humanistic Sciences, Series B: Exact Sciences), *Śląskie Prace Bibliograficzne i Bibliotekoznawcze, Rozprawy Komisji Jezykowej, Rozprawy Komisji Historii Sztuki, Archiwum Historyczne, Annales Silesiae.*

Zydowski Instytut Historyczny (*Jewish Historical Institute*): Warsaw, Al. Swierczewskiego 79; f. 1944; Dir. Bernard Mark; Sec. Adam Rutkowski; publs. *Bleter far Geszichte, Biuletyn Zydowskiego Instytutu Historycznego.*

Learned Societies Collaborating with the Polish Academy of Sciences

Bydgoskie Towarzystwo Naukowe (*Bydgoszcz Scientific Society*): Bydgoszcz, ul. Jana Olszewskiego 20; f. 1959; Pres. Prof. Dr. Jan Małecki.

Instytut Bałtycki: Instytut Badawczo Naukowy (*Baltic Institute*): Gdańsk, Korzenna 33/35; f. 1959; Pres. Dr. Andrzej Bukowski.

Kieleckie Towarzystwo Naukowe (*Kielce Scientific Society*): Kielce, ul. Polskiego Czerwonego Krzyża 5; f. 1958; Pres. Edmund Massalski; Sec. St. Adamczyk.

Lubelskie Towarzystwo Naukowe (*Lublin Scientific Society*): Lublin, Grottgera 6; f. 1958; Pres. Prof. Dr. Laura Kaufman; Sec. Prof. Dr. Adam Paszewski.

Śląski Instytut Naukowy w Katowicach (*Silesian Scientific Institute*): Katowice, Francuska 12 f. 1957; Pres. Prof. Dr. Kazimierz Popiołek; Dir. Dr. Jacek Koraszewski; publs. *Zaranie Śląskie* (quarterly) *Biblioteczka Wiedzy o Śląsku* (series), *Biuletyn* (series).

Towarzystwo Przyjaciół Nauk w Przemyślu (*Przemyśl Society of Friends of Science*): Przemyśl, Plac Czackiego 3; f. 1909; Pres. Prof. Dr. Franciszek Persowski; Sec. Mgr. K. Wolski.

Towarzystwo Przyjaciół Nauki i Sztuki w Rzeszowie (*Rzeszów Society of Friends of Science and Art*): Rzeszów, 3 Maja 19; Pres. Mgr. Władysław Kunisz; publ. *Rocznik Województwa Rzeszowskiego* (annually).

Frederic Chopin Society: Warsaw, ul. Okólnik 1; f. 1934; central Chopin museum, archives and library; for study of Chopin's life and preparation of complete edition of his works; publs. *Complete Works, Chopin Annual.*

ACADEMY OF SCIENCES—RESEARCH INSTITUTES

Documentation and Scientific Information Centre of the the Polish Academy of Sciences: Warsaw, Pałac Staszica, Nowy Swiat 72; Dir. Doc. Dr. Adam Wysocki; Publ. *Polish Scientific Periodicals* (author and subject directory).

Distribution Centre for Scientific Publications, Polish Academy of Sciences: Warsaw, Pałac Kultury i Nauki; f. 1954; services of the Centre include the foreign exchange of scientific publications, the importing of scientific journals and books for Academy mems. and the distribution of Polish scientific publications among Academy Centres and mems.; Dir. Arkadiusz Rozwadowski; publs. *Quarterly Review of Scientific Publications of the Polish Academy of Sciences* (English and Russian Edition).

History of Sciences and Technology Research Centre: Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. Bogdan Suchodolski; publ. *Kwartalnik Historii Nauki i Techniki* (quarterly), *Studia i Materialy z dziejów nauki polskiej, Monographie z dziejów nauki i techniki, Zrodla do dziejów nauki i techniki.*

Section I—*Social Sciences.*

Cracow Research Centre for Linguistics: Cracow, Straszewskiego 27; f. 1952; Dir. Prof. Dr. Witold Taszycki; publs. *Slownik Staropolski, Maly Atlas Gwar Polskich.*

Editorial Institute of the Polish Dialects Atlas and Dictionary: Cracow, Pl. Na Groblach 8; f. 1952; Dir. and Chair. of Editorial Board M. Karaś; publ. *The Polish Dialects Atlas.*

Institute of the Older Polish Language Dictionary: Cracow, Straszewskiego 27; f. 1952; Dir. St. Urbańczyk; publ. *Słownik Staropolski* (The Older Polish Language Dictionary).

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Institute of the Older Polish Proper Names Dictionary: Cracow, Straszewskiego 27; f. 1952; Dir. Prof. Dr. W. TASZYCKI.

Institute of the Historical Polish Syntax: Cracow, Straszewskiego 27; f. 1952; Dir. (vacant).

Editorial Office for the Dictionary of Medieval Latin in Poland: Cracow, ul. Straszewskiego 27; f. 1949; Dir. Prof. Dr. MARIAN PLEZIA.

Editorial Office for Polish Bibliography (formerly Karol Estreicher Republication Centre of Polish 19th-Century Bibliography): Cracow, ul. Sławkowska 17; Dir. Prof. Dr. KAROL ESTREICHER.

History of Education Centre: Warsaw, Pałac Staszica; f. 1953; Dir. Prof. Dr. LUKASZ KURDYDACHA; publs. *Monografie Dziejów Oswiaty, Rozprawy z Dziejów Oswiaty, Archiwum do Dziejów Oswiaty.*

Institute for History: Warsaw, Rynek Starego Miasta 29-31; Dir. Prof. Dr. TADEUSZ MANTEUFFEL; publs. *Kwartalnik Historyczny* (quarterly), *Odrodzenie i Reformacja w Polsce* (annual), *Studia Zródloznawcze* (annual), *Acta Polonia Historica* (half-yearly in foreign languages), *Najnowsze dzieje Polski. Materiały i studia z okresu 1914-39, Najnowsze dzieje Polski z okresu II wojny swiatowej* (annual), *Czasopismo Prawno-Historycne* (half-yearly).

Institute of the History of Material Culture: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1953; Dir. Prof. WITOLD HENSEL; publs. *The Historical Quarterly of Material Culture, Archaeologia Polona, Archaeology of Poland, Archaeology, Bibliotheca Antiqua, Polish Archaeological Research, Archaeological Reports, Sources for the History of Material Culture, Studies of the History of Mining and Metallurgy, Studies in the History of Agriculture, Studies of the History of Industry, Early Medieval Studies, Library of Polish Ethnography, Polish Ethnographic Atlas, Ethnography of Poland.*

Institute of Literary Research: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1948; Dir. Prof. Dr. KAZIMIERZ WYKA; publ. *Pamiętnik Literacki* (Literary Journal).

Institute of Philosophy and Sociology: Warsaw, Pałac Staszica; f. 1956; Dir. Prof. Dr. ADAM SCHAFF; publs. *Studia Logica, Archiwum Historii Filozofii i Myśli Spolecznej, Studia Filozoficzne, Studia Mediewistyczne, Studia Socjologiczne, The Polish Sociological Bulletin, Mediaevalia Philosophica Polonorum, Materiały i Studia Zakładu Historii Filozofii Starozytnej i Sredniowiecznej, Biblioteka Pisarzy Reformacyjnych, Z Badań nad Klasą Robotniczą i Inteligencją, Badania nad Kulturą Masową, Studia Zakładu Socjologii Pracy.*

Law Institute: Warsaw, Pałac Kultury i Nauki; f. 1956; Dir. Prof. Dr. CEZARY BEREZOWSKI; publs. *Panstwo i Prawo* (monthly), *Czasopismo Historyczno-Pralone* (quarterly).

Research Centre for Ancient Culture: Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. KAZIMIERZ KUMANIECKI; publ. *Bibliotheca Latina Medii et Recentioris Aevi, Auctorum Graecorum et Latinorum Opuscula, Archiwum Filologiczne, Biblioteka Przekładów z Literatury Antycznej.*

Research Centre for Economic Sciences (*Zakład Nauk Ekonomicznych Polskiej Akademii Nauk*): Warsaw, Pałac Kultury i Nauki; f. 1953; Dir. Prof. Dr. BRONISLAW MINC; publ. *Studia Ekonomiczne* (Economic Studies, every four months).

Research Centre for School System and Organisation: Warszawa, Pałac Staszica; Dir. Prof. Dr. MARIAN FALSKI.

Research Centre for the History of the Polish Press in the XIX and XX Centuries (*Pracownia Historii Czasopiśmiennictwa Polskiego XIX i XX w. PAN*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. JÓZEF SKRZYPEK.

Research Centre for Organisation of Work (*Pracownia Ogolnych Problemow Organizacji Pracy*): Warsaw, Pałac Staszica; Dir. Prof. Dr. JAN ZIELENIEWSKI.

Research Centre for Mediterranean Archæology: Warsaw, Pałac Kultury i Nauki; f. 1956; Dir. Prof. Dr. KAZIMIERZ MICHAŁOWSKI; publs. *Travaux du Centre d'Archéologie Mediterrannéenne.*

Research Centre for Neophilology: Warsaw, Pałac Kultury i Nauki; f. 1955; Dir. Prof. Dr. MIECZYSŁAW BRAHMER.

Research Centre for Oriental Studies: Warsaw, Freta 16; f. 1953; Dir. Prof. Dr. ANANIASZ ZAJACZKOWSKI.

Research Centre for Polish Periodicals of the 19th and 20th Centuries: Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. JÓSEF SKRZYPEK.

Research Centre for the Philology of Modern Languages (*Zakład Neofilologii*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. KAZIMIERZ KUMANIECKI; publ. *Bibliotheca Neolatina.*

Psychometrical Laboratory (*Pracownia Psychometryczna*): Warsaw, Pałac Kultury i Nauki; Dir. Dr. MIECZYSŁAW CHOYNOWSKI.

Research Centre for the Study of Ancient Civilisation (*Zakład Nauk o Kulturze Antycznej*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. KAZIMIERZ KUMANIECKI; publ. *Bibliotheca Neolatina.*

Schools Organisation Research Centre (*Pracownie Ustroju i Organizacji Oswiaty*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. MARIAN FALSKI.

Slavonic Research Centre: Warsaw, Pałac Kultury i Nauki; f. 1954; Dir. Prof. Dr. TADEUSZ LEHR-SPŁAWIŃSKI.

Warsaw Research Centre of Linguistics: Warsaw, Krakowskie Przedmieście 26/28; f. 1954; Dir. Prof. Dr. WITOLD DOROSZEWSKI.

Section II—*Biological Sciences.*

Botanical Institute: Cracow, Lubicz 46; f. 1954; Dir. Prof. Dr. BOGUMIŁ PAWŁOWSKI; publs. *Flora Polski, Atlas Flora Polski, Fragmenta Floristica et Geobotanica, Acta Palaeobotanica.*

Centre for Documentation of Evolutionism: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1955; Dir. Prof. KAZIMIERZ PETRUSEWICZ.

Institute of Biochemistry and Biophysics: Warsaw, ul. Rakowiecka 8; f. 1957; research work in the fields of protein biosynthesis, metabolism of insects, plant biochemistry, chemistry and physical chemistry of nucleo-proteins and nucleic acids, biochemistry of the cell, biochemistry of micro-organisms; library; Dir. Prof. Dr. JÓZEF HELLER.

Institute of Parasitology: Warsaw 22, ul. Pasteura 3; f. 1952; scientific research work in the fields of biology and taxonomy of parasitic organisms, medical and veterinary parasitology; documentation centre and library; Dir. Prof. Dr. WŁODZIMIERZ MICHAJŁOW; publs. *Acta Parasitologica Polonica* (annual).

Institute of Zoology: Warsaw, ul. Wilcza 64; sections: insects; vertebrates; invertebrates; archives and documents; exhibitions; ornithological station at Górki Wschodnie near Gdańsk; library of over 120,000 vols., 1,667 periodicals; Acting Dir. Prof. Dr. JANUSZ NAST; publs. *Annales Zoologici, Fragmenta Faunistica, Acta Ornithologica, Memorabilia Zoologica.*

Branch: Poznań: Dir. Prof. Dr. ALEX. WRÓBLEWSKI.

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Institute of Dendrology and Arboretum, The: Kórnik, nr. Poznań; f. 1952; Dir. Prof. Dr. Stefan Białobok.

Institute of Ecology: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1952; Dir. Prof. Dr. Kazimierz Petrusewicz.

Laboratory of Water Biology: Cracow, ul. Sławkowska 17; f. 1952; Dir. Prof. Dr. Karol Starmach; publ. *Acta Hydrobiologica.*

Mammals Research Institute: Białowieża, woj. Białystok; f. 1954; Dir. (vacant); publ. *Acta Theriologica.*

M. Nencki Institute of Experimental Biology: Warsaw, ul. Pasteura 3; f. 1920; scientific research work in the fields of experimental biology, biochemistry, neurophysiology, hydrobiology, and experimental psychology; library 35,000 vols.; Dir. Prof. W. Niemierko; Asst. Dir. Prof. J. Konorski; publs. *Acta Biologiae Experimentalis, Polskie Archiwum Hydrobiologii, Acta Protozoologica.*

Research Centre for Anthropology: Wrocław, ul. Kuźnicza 35; f. 1952; Dir. Adam Wanke; publ. *Materialy i Prace Antropologiczne.*

Research Centre for Experimental Zoology: Cracow, ul. Kopernika 7; Dir. Prof. Dr. Stanisław Skowron; publ. *Folia Biologica* (quarterly).

Research Centre for Nature Protection: Cracow, ul. Ariańska 1; f. 1920; research work on all problems relating to nature conservancy; library of 9,209 vols. and 917 periodicals; Acting Dir. Dr. Bronisław Ferens; publs. *Ochrona Przyrody* (Protection of Nature; annual), *Wydawnictwa popularno-naukowe* (Popular Scientific publications) Nos. 1-21, Editor Dr. Władysław Szafer.

Research Centre for Palaeozoology: Warsaw, Żwirki i Wigury 6; f. 1952; Dir. Prof. Zofia Kielan-Jaworowska; publs. *Palaeontologia, Polonica, Acta Palaeontologica Polonica.*

Section III—*Mathematical, Physical, Chemical, Geological and Geographical Sciences.*

Astronomical Institute of the Polish Academy of Sciences: Poznań, Słoneczna 36; f. 1957; Dir. Prof. Dr. Józef Witkowski.

Department of Astrophysics I: Toruń; Dir. Prof. Dr. W. Iwanowska; research in spectroscopy, stellar astronomy and radio-astronomy.

Department of Astrophysics II: Warsaw; Dir. Prof. Dr. W. Zonn; research in polarisation of light from stars, absorption, interstellar magnetic fields.

Department of Astrometry and Celestial Mechanics: Poznań, Sloneczna 36; Dir. Prof. Dr. J. Witkowski; operates a Latitude Station at Borowiec (near Poznań).

Institute of Geography: Warsaw, Krakowskie Przedmieście 30; f. 1953; library of 65,000 vols., 1,200 atlases, 35,000 maps; there is in addition, in the same building, the library of the Geographical Institute of Warsaw University; Dir. Prof. Dr. Stanisław Leszczycki; publs. *Przegląd Geograficzny* (quarterly), *Prace Geograficzne, Bibliografia Geografii Polskiej, Dokumentacja Geograficzna, Przegląd Zagranicznej Literatury Geograficznej.*

Institute of Mathematics: Warsaw, ul. Sniadeckich 8; f. 1948; local branches in Cracow and Wrocław; Dir. Kazimierz Kuratowski; publs. *Collqouium Mathematicum, Acta Arithmetica, Fundamenta Mathematicae, Studia Mathematica, Annales Polonici Mathematici, Monografie Matematyczne, Rozprawy Matematyczne, Zastosowania Matematyki.*

Institute of Mathematical Machines: Warsaw, Koszykowa 79; Dir. Asst. Prof. Dr. Leon Łukaszewicz; publ. *Prace Instytuta Maszyn Matematycznych PAN, Algorytmy.*

Institute of Nuclear Research: Warsaw-Zerań, ul. Dorodna 16; Dep. Dir. Doc. Juliusz Dobrowolski; publ. *Research Reports.*

Institute of Physical Chemistry: Warsaw, Plocka 44/52; f. 1955; Dir. Prof. Dr. Michał Śmiałowski.

Institute of Physics of the Polish Academy of Sciences: Warsaw, ul. Zielna 37; f. 1953; Dir. Prof. Dr. Leonard Sosonowski; publ. *Acta Physica Polonica* (monthly).

Laboratory for Scientific Measuring Instruments: Warsaw, Al. Jerozolimskie 69; f. 1955; Dir. Ing. Marian Łaziński.

Research Institute for Geological Sciences: Warsaw, Żwirki i Wigury 6; f. 1956; Dir. Prof. Dr. Kazimierz Smulikowski; publ. *Studia Geologica Polonica.*

Research Centre for Geophysics: Warsaw; Pałac Staszica, Nowy Świat 72; f. 1953; Dir. Prof. Dr. Stefan Manczarski; publs. *Acta Geophysica Polonica, Prace Obserwatorium Geofizycznego w Świdrze-Rocznik magnetyczny, Biuletyn Obserwatorium Sejsmologicznego w Warszawie, Biuletyn Śląskiej Stacji Geofizycznej w Raciborzu, Biuletyn Geomagnetyczny Obserwatoriów Geofizynych w Świdrze i na Helu, Biuletyn geomagnetyczny (wstępny), Biuletyn Sejsmologiczny (wstępny).*

Research Centre for Organic Synthesis: Warsaw, Koszykowa 75; f. 1954; Dir. Tadeusz Urbański.

Soltan Centre of Nuclear Research: Swierk, Warsaw; Dir. Prof. Dr. Jan Nowacki; publ. *Research Reports.*

Section IV—*Technical Sciences.*

Institute of Basic Technical Problems: Warsaw, Świetokrzyska 21; Dir. Prof. Dr. Ignacy Malecki; publs. *Archiwum Mechaniki Stosowanej, Rozprawy Inzinierskie* (quarterly), *Archiwum Elektrotechniki* (quarterly), *Rozprawy Elektrotechniczne* (quarterly).

Institute of Fluid Flow Machinery (*Instytut Maszyn Przepływowych PAN*): Gdańsk-Wrzeszcz, Majakowskiego 11; f. 1956; Dir. Prof. dr. Robert Szewalski; publs. *Archiwum Budowy Maszyn* (The Archive of Mechanical Engineering: quarterly), *Prace Instytutu Maszyn Przepływowych PAN* (Proceedings of the Institute of Fluid Flow Machinery: in series).

Institute of Hydro-engineering: Gdańsk-Wrzeszcz, ul. Majakowskiego 11; Gdańsk-Oliwa, ul. Cystersów, Pałac Opatów; Dir. Prof. Dr. Stanisław Hueckel; publs. *Archiwum Hydrotechniki, Rozprawy Hydrotechniczne.*

Research Centre for Automation: Warsaw, Świetokrzyska 21; f. 1953; Dir. Dr. Andrzej Straszak; publ. *Archiwum Automatyki i Telemechaniki* (quarterly).

Research Centre for Building Technology: Warsaw, ul. Skalmowski 2; f. 1945; research into the use of building materials and methods of construction.

Research Centre for Chemical Engineering and Construction of Apparatus: Gliwice, Strzody 21; f. 1958; Dir. Prof. Dr. Tadeusz Hobler.

Research Centre for Electronics: Warsaw, Pałac Staszica, Nowy Świat 72; Dir. Prof. Dr. Jan Paweł Nowacki.

Research Centre for the Theory of Architecture and Town Planning: Warsaw, al. na Skarpie 27; f. 1957; Dir. Prof. Dr. Bohdan Pniewski.

Research Centre for the Theory of Machine Construction: Warsaw, Plac Jedności Robotniczej 1; Dir. Prof. Dr. Zbigniew Brzoska.

Research Centre for the Theory and History of Architecture and Town-Planning: Warsaw, Pałac Staszica, Nowy Świat 72; f 1954; Dir. Prof. Dr. Wacław Ostrowski.

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Research Centre for Thermo-energetics: Warsaw, Nowowiejska 25; f. 1953; Dir. Prof. Dr. BOHDAN STEFANOWSKI, DR. h.c.

Strata Mechanics Research Centre (*Zakład Mechaniki Górotworu*): Cracow, Al Mickiewicza 30; Dir. Prof. Dr. JERZY LITWINISZYN.

Section V—*Agricultural and Forestry Sciences.*

Laboratory of Comparative Pathology, Veterinary Institute (*Pracownia Patologii Porównawczej Instytutu Weterynarii*): Warsaw, ul. Lechicka 21; Dir. Prof. Dr. ABDON STRYSZAK.

Research Centre for Agricultural Economics and Production Management (*Pracownia Ekonomiki i Organizacji Produkcji Rolniczej*): Warsaw, Pałac Kultury i Nauki; Dir. Dr. WŁADISŁAW NOWICKI.

Research Centre for Agricultural Isotopic Studies (*Pracownia Rolniczych Badan Izotopowych*): Warsaw, Rakowiecka 8; Dir. Prof. Dr. MARIAN GORSKI.

Centre for Forestry Research: Cracow, Ojcowska 1; f 1956; Dir. Dr. TADEUSZ GIERUSZYŃSKI.

Institute of Animal Physiology and Nutrition: Jablonna, near Warsaw; Dir. Dr. JAN KIELANOWSKI; Asst. Dir. Dr. EUGENIUSZ DOMAŃSKI.

Research Centre for Experimental Animal Breeding: Warsaw, Novy Swiat 72; Dir. Doc. Dr. HENRYK JASIOROWSKI.

Research Centre for Genetics: Skierniewice, Osada Pałacowa; f. 1952; Dir. Prof. Dr. EDMUND MALINOWSKI.

Research Centre for Plant Breeding: Poznań, ul. Wojska Polskiego 71 c; f. 1951; Dir. Prof. Dr. STEFAN BARBACKI.

Research Centre for Plant Physiology: Cracow, Grodzka 53; f. 1956; Dir. Prof. Dr. FRANCISZEK GÓRSKI.

Section VI—*Medical Sciences.*

Institute of Neuropathology of the Polish Academy of Sciences: Warsaw, Pasteurstreet 3; Dir. E. OSETOWSKA, M.D.; Laboratory of Kraków (Tumours of the Nervous System): Kraków, Botaniczna 3; Dir. Prof. A. KUNICKI.

Laboratory of Physiology: Warsaw 36, Chełmska 27/37; f. 1957; Dir. Prof. Dr. FRANCISZEK CZUBALSKI.

L. Hirszfeld Institute of Immunology and Experimental Therapy: Wrocław, ul. Chałubińskiego 4; Dir. Prof. Dr. STEFAN SŁOPEK; publs. *Archivum Immunologiae et Therapiae Experimentalis* (English) (bi-monthly), *Postępy Higieny i Medycyny Doświadczalnej* (Polish) (bi-monthly).

Physiological Institute: Lódź, Przędzalniana 72; f. 1958; Dir. Prof. Dr. MIECZYSŁAW WIERZUCHOWSKI.

Research Centre for Experimental Pathology: Warsaw, Dworkowa 3; f. 1954; Dir. Prof. Dr. ZYGMUNT RUSZCZEWSKI.

Research Centre for Experimental Surgery: Warsaw, Chalubińskiego 5; f. 1957; Dir. Prof. Dr. JAN NIELUBOWICZ.

Research Centre for Mental Hygiene and Child Psychiatry: Warsaw, Łowicka 7-15; f. 1958; Dir. Dr. KAZIMIERZ DABROWSKI.

Research Centre for Neurosurgery: Warsaw, Szpital Kliniczny, ul. Oczki 6; Dir. Prof. Dr. LUCJAN STEPIEN.

Research Centre for Pharmacology: Cracow, ul. Grzegórzecka 16; synthesis of new drugs, pharmacological investigation of their properties; acclimatisation of medicinal plants; phytochemical investigations; Dir. Prof. JANUSA WIKTOR SUPNIEWSKI; publ. *Dissertationes Pharmaceuticae.*

INDEPENDENT RESEARCH INSTITUTES

Astronomical Observatory of Warsaw University: Warsaw, al. Ujazdowskie 4; f. 1825; library of 9,000 vols.; Dirs. W. ZONN, S. PIOTROWSKI.

Balneoclimatological Institute: Poznań, ul. Słowackiego 8-10; Chair. Prof. Dr. JÓZEF JANKOWIAK.

Central Institute for Labour Protection: Warsaw, ul. Tamka 1; f. 1950; Dir. Prof. LUDWIK TANIEWSKI.

Central Mining Institute: Katowice-GIG, Plac Gwarków 1; f. 1945; Dir. Prof. MARCIN BORECKI.

Forestry Research Institute (*Instytut Badawczy Leśnictwa*): Warsaw 22, Wery Kostrzewy 3; f. 1930; comprises 24 scientific sections and laboratories covering all aspects of forestry, especially factors of environment, silviculture, management, protection, logging mechanisation and transport; 6 regional brs.; main documentation centre of forestry and library of 30,500 vols.; Dir. Prof. MAKSYMILIAN KREUTZINGER; publs. *Prace Instytutu Badwczego Leśnictwa* (Transactions of the Forestry Research Institute), *Biuletyn Instytutu Badawczego Leśnictwa* (bi-monthly bulletin published in *Prace Instytutu Badawczego Leśnictwa*), *Przeglad Dokumentacyjny Leśnictwa* (Review of Forestry Literature published in *Sylwan*); brs. at Cracow, Bialowieża, Bialoobrzegi, Jeziory, Zabrze; experimental forest at Sekocin near Warsaw.

Geographical Institute of Warsaw University: library at Warsaw, Krakowskie Przedmieście 30, in addition to library of Institute of Geography of the Polish Academy of Sciences; 42,000 vols., 1,000 atlases, 45,000 maps and 20,000 slides.

Geological Institute: Warsaw, Rakowiecka 4; f. 1919; Dir. Prof. Dr. E. RUHLE; 4 field stations; library of 110,000 vols.; publs. Bulletins, Papers, Bibliography and Quarterly Review.

Institute of Antibiotics: Warsaw 12, ul. Starościnska 5; Dir. F. ULAK.

Institute of Artificial and Synthetic Fibres: Lódź, ul. Sklodowskiej-Curie 19-27; Dir. W. SOPIELA.

Institute of Economics and Industrial Organisation (*Instytut Ekonomiki i Organizacji Przemysłu*): Warsaw, Pałac Trzech Krzyży 3/5, Skrytka Pocztowa 153; Dir. ILJA EPSZTEJN.

Institute for Education: Warsaw, Górczewska 8; f. 1950; library of 52,000 vols.; depts. of general education, vocational education, guidance, school organisation, adult education, documentation and information; Dir. Prof. Dr. WINCENTY OKOŃ.

Institute of Fertilizers: Tarnow 3, ul. Lipowa; Dir. W. MAZGAJ.

Institute of Forensic Research: 9 Westerplatte Street, Cracow; f. 1929; departments of biology, criminology, toxicology.

Institute of General Chemistry: Warsaw, Zoliborz, ul. Rydygiera 8; f. 1945; departments of technical physics, physical and analytical chemistry, catalytic synthesis, radio-chemistry, chemical technology and chemical engineering, fat chemistry and detergents, economics of the chemical industry; library of 50,000 vols., 400 periodicals; Dir. Prof. Dr. A. ZMACZYŃSKI.

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Institute of Industrial Design: Warsaw, ul. Świetojerska 5/7; f. 1950; research in aesthetics of machine housing and technical arrangements, interior decorating, ceramics and glass, garments; training of industrial designers; library of 5,200 vols., 268 titles of periodicals, collection of special editions, samples, etc.; Dir. Eng. Bogdan Czekaluk, m.a.; Vice-Dirs. Prof. Wanda Telakowska (Artistic), Tadeusz Reindl, m.a. (Publicity); publs. bulletins on industrial design of textiles, clothing, wood, glass, ceramics, and leather goods (monthly), *Wiadomości IWP* (News of Inst. of Ind. Design, monthly).

Institute of Inorganic Chemistry: Gliwice, ul. Sowińskiego 11; f. 1946; Dir. J. Hawliczek.

Institute of International Affairs: Warsaw, Warecka 1a; Dir. Ostap Dłuski; publs. *Sprawy Międzynarodowe* (monthly), *Zbiór Dokumentów* (monthly, bilingual), *Annuaire Polonais des Affaires Internationales* (Year book of international affairs, in French), *Zbiór Umów Międzynarodowych Polskiej Rzeczypospolitej Ludowej* (Polish International Agreements, annual).

Institute of Oncology: Warsaw 22, Wawelska 15; Dir. Prof. W. Jasinski, m.d.; publ. *Nowotwory* (quarterly).

Institute of Organic Synthesis: Blachownia Śląska k. Kędzierzyna; Dir. J. Obloj.

Institute of Organic Technology: Warsaw, Żerań, ul. Nowoprzemysłowa 4; Dir. W. Gumulka.

Institute of Paints and Varnishes: Gliwice, ul. Górnych Wałów 26; Dir. L. Chromy.

Institute of Petroleum Technology: Kraków, ul. Łukasiewicza 1; Dir. S. Niementowski.

Institute of Plant Protection: Warsaw, ul. Rakowiecka 8; f. 1950.

Institute of Plastics: Warsaw, Zoliborz, ul. Rydygiera 8; f. 1948; Dir. M. Słon.

Institute of the Fat Industry: Warsaw, ul. Rakowiecka 8; f. 1954; chemical and technological research on edible oils and fats, laboratories in Warsaw; Dir. Dr. Inż. A. Jakubowski.

Institute of the Fermentation Industry: Warsaw, ul. Rakowiecka 8; f. 1954; Dir. Eng. Jakub Wermus; publs. *Biuletyn Instytutow i Laboratoriow Przemysłu Rolnego i Spowyczego* (bi-monthly), *Prace Instytutów i Laboratoriow Badawczych Przemysły Rolnego i Spowyczego* (quarterly).

Institute of the Rubber Industry: Warsaw, ul. Czerska 18; Dir. S. Blicharz.

Institute of the Sugar Industry: Warsaw, ul. Rakowiecka 8; f. 1927; research into all branches of the Sugar Industry; Raw Product, Sugar Beet, Technological, Analytical, Mechanical and Economic Research Depts.; Dir. Józef Lewon; Scientific Dir. Prof. Dr. Tadeusz Pietrzykowski; publs. *Prace Instytutów i Laboratoriów Badawczych Przemystu Spożywczego.*

Institute of Wood Technology: Poznań, ul. Winiarska 1; f. 1952; scientific establishments at Warsaw and Bydgoszcz; Dir. W. Fabiszewski; publs. *Prace Instytutu Technologii Drewna* (Research Work and Reports), *Bulletins in Przemysł Drzewny* (monthly).

Institute of Zootechnics: Cracow, Sarego 2; f. 1950; Dir. Prof. Dr. F. Abgarowicz; 20 Scientific Depts., 13 Experimental Stations; library of 19,000 vols.; publs. Bulletins of the Institute concerning research findings, *Research Information* (series), *Pig Progeny Test Station Reports, Cattle Progeny Test Station Reports, Sheep Progeny Test Station Reports.*

Marine Fisheries Institute: Gdynia, Aleja Zjednoczenia 1; f. 1923; departments of icthyology, oceanography, marine biology, fisheries; two branches at Kolobrzeg and Swinoujście; experimental station at Tolkmicko; publ. *Prace Morskiego Instytutu Rybackiego w Gdyni.*

Maritime Institute (*Instytut Morski*): Gdańsk; Dlugi Targ 41/42; f. 1950; economic and technical research in shipping, harbour and coastal engineering, corrosion, maritime law; Dir. Prof. R. Zaorski; Res. Dir. W. Urbanowicz; publs. *Prace Instytutu Morskiego, Materialy, Serwis Bibliograficzny Instytutu Morskiego, Biuletyn Instytutu Morskiego.*

Mother and Child Research Institute: Warsaw, Kasprzaka 17; Dir. Prof. F. Groer, m.d.

Pharmaceutical Institute: Warsaw 86, Rydygiera 8; research into all branches of pharmacy and pharmaceutical chemistry; Dir. Prof. Dr. Wl. Bednarczyk.

Plant Breeding and Acclimatization Institute: Warsaw 10, Gorskiego 7; f. 1951; subject to the Ministry of Agriculture; 9 establishments, 15 research stations; Dir. Prof. Dr. Jadwiga Lekczyńska; Vice-Dirs. Doc. Dr. Stanisław Starzycki, Mgr. A. Korczyński; publs. *Hodowla Roslin Aklimatyzacja i Nasiennictwo, Biuletyn* Prof. Dr. Jadwiga Lekczynska; Vice-Dirs. Doc. Dr. *IHAR, Index Seminum, Delectus Seminum.*

Polish Dermatological Society: Warsaw, ul. Koszykowa 82a, Klinika Dermatologiczna A.M.; f. 1920; Sec. Dr. Stefania Jabłońska; publ. *Przegląd Dermatologiczny* (two monthly).

Polish-Soviet Institute (*Instytut Polsko-Radziecki*): Warsaw, Foksal 10; Dir. Aleksander Szaniawski; publs. *Kwartalnik Instytutu Polsko-Radzieckiego* (quarterly), *Sovietica w Polsce* (quarterly).

Research Institute of Agricultural Economics (*Instytut Gospodarski Rolnej*): Warsaw, Wawelska 1/3; Dir. Prof. Jerzy Tepicht; publ. *Zagadnienia Ekonomiki Rolnej.*

Research Institute of Pomology: Skierniewice, ul. Pomologiczna 22; f. 1951; library of 7,000 vols.; nine departments including small fruit, fruit breeding, soil cultivation, orchard mechanisation, plant protection, orchard economics, fruit storage and transport, industrial application of fruit, bee-keeping; five laboratories: chemical, botanical, physiological, isotope; experimental greenhouse; nine field experiment stations; Dir. Prof. S. A. Pieniazek; publs. *Prace Instytutu Sadownictwa* (Experimental work of the Research Institute), *Pszczelnicze Zeszyty Naukowe* (Bee Research Bulletin).

State Institute of Art (*Panstwowy Instytut Sztuki*): Warsaw, Dluga 26; Dir. Prof. Dr. Jerzy Toeplitz; publs. *Sztuka i Krytyka* (quarterly), *Biuletyn Historii Sztuki* (quarterly), *Przegląd Artystyczny* (quarterly), *Polska Sztuka Ludowa* (bi-monthly), *Pamietnik Teatralny* (quarterly), *Kwartalnik Filmowy* (quarterly), *Muzyka* (bi-monthly).

State Institute of Hydrology and Meteorology: Warsaw, Podleśna 61; f. 1945 as an amalgamation of State Meteorological and Hydrological Institutes; collections of records from 538 meteorological stations; Dir. Prof. Dr. Eng. Julian Lambor; publs. *Wiadomości Sluzby Hydrologicznej i Meteorologicznej* (Bulletin of the Hydrological and Meteorological Service), *Prace Państwowego Instytutu Hydrologiczno-Meteorologicznego* (Works of the State Institute of Hydrology and Meteorology); summaries in English, French and Russian.

State Institute of Hygiene: Warsaw, Chocimska 24; f. 1918; Dir.-Gen. Prof. W. Kuryłowicz; publs. *Roczniki Państwowego Zakladu Higieny* (bi-monthly), *Medycyna Doświadczalna i Mikrobiologia* (quarterly), *Przegląd Epidemiologiczny* (quarterly).

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Telecommunications Institute of Industry: Warsaw 26, Poligonowa 30; f. 1952.

Tuberculosis Research Institute: Warsaw, ul. Płocka 26; f. 1948; medical library of 10,500 vols. and 265 periodicals; Dir. Prof. Dr. Wiwa Jaroszewicz; publ. *Gruźlica*.

Veterinary Institute: Puławy; f. 1945; 8 scientific depts. and 10 specialised laboratories (including those in Warsaw, Bydgoszcz, Zduńska Wola); 99 scientists; Dir. Prof. Dr. Stanisław Krauss; publ. *The Bulletin of the Veterinary Institute at Puławy*.

There are in all 95 research institutes not attached to the Polish Academy of Sciences, in addition to numerous industrial works-laboratories and research centres.

LIBRARIES

Biblioteka Akademii Sztuk Pięknych (*Library of the Fine Arts Academy*): Warsaw, Krakowskie Prezedm. 5; f. 1922; 14,105 vols., 20,105 illustrations; Dir. Mgr. J. Tarkowska.

Biblioteka Główna Akademii Górniczo-Hutniczej w Krakowie (*Central Library of the Academy of Mining and Metallurgy*): Cracow, Al. Mickiewicza 30; f. 1919; collection: mining, metallurgy, geodetics, electrical engineering, foundry engineering, mathematics, physics, chemistry; 211,479 vols.; Dir. Władysław Piasecki; publ. *Wykaz nabytków* (quarterly).

Biblioteka Główna Politechniki Czestochowa (*Library of the Czestochowa Technical University*): ul. Deglera 36, Częstochowa; 102,253 vols.

Biblioteka Głównego Urzedu Statystycznego (*Library of the Central Statistical Office*): Warsaw, Wawelska 1/3; f. 1918; collection: scientific and specialised (economic and social subjects, with emphasis on statistics); 219,604 vols.; Dir. Irena Morsztynkiewiczowa.

Biblioteka Jagiellońska (*Jagiellonian Library*): Cracow; f. 1364; collection: general scientific, Polish affairs, humanities, medicine, mathematics, natural sciences; 1,114,424 vols.; Dir. Dr. Jan Baumgart.

Biblioteka Katolickiego Uniwersytetu Lubelskiego w Lublinie (*Library of the Catholic University of Lublin*): Lublin; f. 1918; general collection, with emphasis on theology and philosophy; 495,589 vols. (including department libraries), incl. 11,309 old vols., 89,156 periodicals, 805 MSS., 3,722 maps and atlases, 2,159 vols. of music.

Biblioteka Narodowa (*National Library*): Warsaw; f. 1928; State central library; collection: general scientific documents, mostly Polish works published in Poland and abroad; writings relating to development of Polish science; 1,504,826 vols., incl. 910,382 XIX and XX century books, 170,560 periodicals, 47,535 old books, 8,066 MSS., 11,624 maps and atlases, 17,868 vols. of music, 23,429 albums, illustrations, drawings and reproductions, 294,801 social documents (i.e. leaflets, posters and other ephemeral publs.) and *c.* 400,000 vols. not yet catalogued; the National Library houses the Bibliographical Institute, Institute of Books and Public Reading, Bureau for the Microfilm Service Unit; Dir. Dr. Witold Stankiewicz; publs. *Bibliographical Guide* (weekly), *Bibliography of Bibliographies* (annual), *Bulletin of the Bibliographical Institute, Bibliography of the Contents of Periodicals* (monthly), *Publishers' Activities in Figures* (annual), etc.

Biblioteka Gdańska P.A.N. (*Gdańsk Library of the Polish Academy of Sciences*): Gdańsk, Wałowa 15; former City Library; f. 1596; collection: humanities, oceanography, geography, Pomeranian and Gdańsk affairs; 386,880 vols., incl. 748 incunabula, 15,936 periodicals, 3,581 MSS., 4,182 maps, etc.; Dir. Dr. Marian Pelczar; publ. *Gdańsk Library*.

Biblioteka Kornicka PAN (*Library of the Polish Academy of Sciences, Kornik*): Kornik near Poznań; f. 1817; collection: History, History of Polish Literature, Mathematics and Natural Sciences; 135,086 vols., incl. 22,591 old prints, 27,979 periodicals, 15,150 MSS., 2,063 maps, 13,394 graphics; museum with 18,466 exhibits; Dir. Dr. Stefan Weyman; publs. *Pamiętnik Biblioteki Kornickiej, Acta Tomiciana*.

Biblioteka P.A.N. w Krakowie (*Library of the Polish Academy of Sciences in Cracow*): Cracow, ul. Sławkowska 295,157 vols.; 130,379 annual vols. of periodicals relating to the social and biological sciences, 89,682 MSS., old prints, cartography, graphic arts; Dir. Kazimierz Piwarski.

Biblioteka P.A.N. w Warszawie (*Library of the Polish Academy of Sciences in Warsaw*): Warsaw, Patac Kultury i Nauki; f. 1958; 100,000 vols.; Dir. Dr. Stanisław Pazyra.

Biblioteka Poznańskiego Towarzystwa Przyjacióa Nauk (*Library of the Poznań Society of Friends of Science*): Poznań, Sew. Mielżyńskiego 27-29; f. 1857; collection: scientific humanities, 186,000 vols.; Dir. Aniela Koehler.

Biblioteka Publiczna m. st. Warszawie (*Public Library*): Warsaw; f. 1907; 123 brs.; general collection: 1,433,233 vols., incl. 11,330 old vols., 41,113 periodicals, 2,556 MSS., 6,035 maps and atlases; publs. *Publications of the Public Library of Warsaw, Nos. 1-83* continued as *Works of the Public Library of Warsaw, Nos. 1- ; Catalogue of Old Books: Part I, Incunabula*; *The Librarian* (monthly), issued in conjunction with the Polish Librarians' Association; Dir. Mgr. Feliksa Bursowa.

Biblioteka Sejmowa (*Library of the Polish Parliament*): Warsaw; f. 1919; collection: legislation, official matter, economic, social legal and political problems; 300,000 vols., incl. 430 old vols., 70,700 periodicals, 1,069 maps and atlases.

Biblioteka Sląska (*Silesian Library*): Katowice, ul. Francuska 12; f. 1922/23; collection; social science, economics, literature relating to Silesia; 405,148 vols., incl. 23,727 old vols., 36,919 periodicals, 924 MSS., 3,950 maps and atlases, 1,164 drawings and illustrations, 1,316 vols. of music.

Biblioteka Szkoły Głównej Gospodarstwa Wiejskiego (*Library of the Warsaw Agricultural University*): Warsaw; f. 1911; collection: agriculture, horticulture, forestry, zootechnics, veterinary science, wood technology, land improvement, agricultural economics and food processing technology; 109,220 vols., incl. 100 old vols., 21,108 periodicals, 138 maps, 5,031 MSS. and 384 microfilms; Dir. Prof. Dr. A. Zabko-Potopowicz.

Biblioteka Szkoły Głównej Planowania i Statystyki (*Library of the Central School of Planning and Statistics*): Warsaw; f. 1906; collection: social and economic science, geography and economic history, national economy, law, labour problems and special economics; 315,000 vols., incl. 1,310 old vols., 79,000 periodicals, 1,400 maps and atlases, 9,000 MSS., 700 drawings and illustrations; Dir. Dr. Helena Drzażdżyńska.

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Biblioteka Uniwersytetu im Adama Mickiewicza (*Library of Adam Mickiewicz University*): Poznań; f. 1902; vols. and items in the main library 1,143,264; Librarian Dr. Stanisław Kubiak.

Biblioteka Uniwersytecka w Łódzi (*Library of Łódz University*): Łódz; f. 1945; scientific collection; 435,000 vols., incl. 11,000 old vols., 35,000 periodicals, 500 MSS., 1,000 maps and atlases, 5,000 vols. of music, and 800 drawings and illustrations; Dir. Dr. Helena Wieckowska.

Biblioteka Uniwersytecka w Toruńiu (*Library of Toruń University*): Toruń; f. 1945; scientific collection; 880,741 vols., general collection of 657,988 vols.

Biblioteka Uniwersytecka w Warszawie (*Library of the University of Warsaw*): Warsaw; f. 1817; collection: history, history of literature, law, art, education, higher education and Russian affairs; 1,411,170 vols., incl. 140,560 old vols., 352,340 periodicals, 1,755 MSS., 2,639 maps and atlases, 47,000 drawings and illustrations, 22,600 vols. of music; Dir. Prof. Jan Baculewski.

Biblioteka Uniwersytecka w Wrocławiu (*Library of the University of Wrocław*): Wrocław; f. 1945; collection: Silesiaca and Lusatica; International relations Poland-Germany-Czechoslovakia; over one million vols.; Dir. Prof. Dr. Antoni Knot.

Biblioteka Uniwersytetu Marii Curie-Skłodowskiej w Lublinie (*Library of the M. Curie-Skłodowska Uuiversity*): Lublin, ul. Narutowicza 4; f. 1944; general scientific collection of 260,000 vols., incl. 14,060 old books, 54,000 periodicals, 3,054 annuals, 214 MSS., 886 maps and atlases, 1,403 drawings and illustrations, 3,876 vols. of music; tape and microfilm collection; Dir. Tadeusz Smołka.

Biblioteka Wyzsza Szkola Pedagogiczna (*Library of the Pedagogical High School*): Cracow, ul. Straszewskiego 22; 118,146 vols., 6,568 periodicals.

Biblioteka Zakładu Narodowego im. Ossolińskich (*Ossolineum Library*): Wrocław; f. 1817; general scientific collection; 450,000 vols.; Dir. Dr. Franciszek Pajączkowski; publs. *Ze skarbca kultury* (quarterly bulletin).

Centralna Biblioteka Rolnicza (*Central Agricultural Library*): Warsaw, ul. Krakowskie Przedmieście 66; f. 1956; branches at Puławy and Bydgoszc; scientific collection; 200,000 vols. on agriculture and related sciences; centre for Agricultural Documentation and for exchange with other institutions in Poland and abroad; Dir. Tadeusz Zeligowski; publ. *Polish Agricultural Bibliography, Polish Agricultural Annual* (both with English and Russian summaries).

Główna Biblioteka Lekarska (*Central Medical Library*): Warsaw, Chocimska 22; f. 1945; mainly scientific collection; 800,000 vols., incl. 12,203 old vols., and a collection of medical items, drawings and illustrations; Dir. Prof. Dr. Stanisław Konopka; publs. *Biuletyn Głównej Biblioteki Lekarskiej* (monthly bulletin), *Polska Bibliografia Lekarska* (year book), *Źródła i Dokumenty do Historii Medycyny* (Sources and Documents for the History of Medicine, irregular edition).

Książnica Miejska im Kopernika w Toruniu (*Copernicus Municipal Library*): Toruń; f. 1923; educational and scientific collection relating to Pomerania; 326,953 vols., incl. 24,005 old vols.; publs. *Works of the Copernicus Municipal Library, Profiles of Distinguished Pomeranians.*

Miejska Biblioteka Publiczna im H. Łopacińskiego w Lublinie (*H. Łopaciński Public Municipal Library*): Lublin; f. 1907; scientific and educational collection; 134,988 vols., 9,677 old vols., 912 periodicals, 1,937 MSS., 1,335 maps and atlases, 4,248 drawings and illustrations, 2,490 vols. of music.

Miejska Biblioteka Publiczna im. Edwarda Raczyńskiego (*Raczyński Municipal Public Library*): Poznań; f. 1829; collection: general sciences, particularly social sciences; 450,000 vols., incl. 19,000 old vols., 12,000 periodicals, 3,500 MSS., 4,050 maps and atlases, 250 incunabula.

Miejska Biblioteka Publiczna w Krakowie (*Municipal Public Library*): Cracow; f. 1946; educational and scientific collection; 381,000 vols.

Miejska Biblioteka Publiczna im L. Waryńskiego w Łódzi (*L. Waryński Public Municipal Library*): Łódz ul. Gdańska 102; f. 1917; educational and scientific collection; 455,000 vols., incl. 2,600 old vols., 28,500 periodicals, 560 maps and atlases, 2,550 drawings and illustrations, 2,400 vols. of music; Dir. Prof. Jan Augustyniak.

Miejska Biblioteka Publiczna w Szczecinie (*Public Municipal Library*): Szczecin; f. 1945; educational and scientific collection (Pomeranian); 350,000 vols., incl. 30,000 old vols., 1,900 titles of periodicals, 15,000s. vols of music; Dir. Mgr. Stanisław Badoń.

MUSEUMS

WARSAW

State Archaeological Museum: Ul. Długa 52; f. 1928; prehistoric and proto-historic exhibits; organises regional and field exhibitions, and directs archæological excavations throughout Poland; library; Dir. Prof. Dr. Zdzisław Rajewski; publs. include *Wiadomosci Archeologiczne, Materialy Starożytne, Materialy Wczesnosredniowieczne.*

Historical Museum: Rynek Starego Miasta 28-42; f. 1947; exhibits relating to the history of Warsaw from the X century; Dir. Dr. Janusz Durko.

Mickiewicz and Słowacki Museum: Rynek Starego Miasta 20; biographical museum; Dir. Adam Mauersberger.

National Museum: Al. Jerozolimskie 3; f. 1862; prints and drawings; numismatics; Egyptian, Greek and Roman art; medieval and modern Polish art; foreign art; decorative arts; also administers museums in the Wilanów and Nieborow palaces and Łowicz; Dir. Prof. Dr. Stanisław Lorentz.

Polish Army Museum: Al. Jerozolimskie 3; f. 1920; reorganised 1946; exhibition of weapons, uniforms, banners, decorations, etc., showing the history of Polish military art from the 10th to the 20th centuries; militaria of Europe, Asia, Africa, Australia; 160,400 museum objects, archival and iconographical items and books.

CRACOW

Ethnographical Museum: Pl. Wolnica 1; f. 1910; history, arts and culture of the Polish village; Dir. Tadeusz Seweryn.

Historical Museum in Cracow: Pl. Sw. Ducha 5; f. 1899; traditions, history and culture of the city of Cracow, arms and armouries, history of the theatre in Cracow, history and culture of the Jews in Poland; Dir. Doc. Dr. Jerzy Dobrzycki.

National Museum: Ul. Manifestu Lipcowego 12; f. 1879; Dir. Adam Bochnak; publ. *Rozprawy i Sprawozdania*

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Muzeum Narodowego w Krakowie (Yearbook); the museum consists of the following departments:

Gallery of Polish Painting and Sculpture of the XVIII-XIX Centuries: Sukiennice (*Clothiers' Hall*), Rynek Główny.

Gallery of Polish Painting and Sculpture of the XIV-XVIII Centuries: pl. Szczepański 9.

Gallery of Polish Painting and Sculpture of the XX Century: al. Trzeciego Maja 1; contains also collections of Polish crafts.

The Czartoryski Collection: ul. Pijarskau 6 and ul. św. Jana 5; f. 1801; national relics, Polish and foreign painting, old arms and armour, Polish and foreign crafts, ancient archaeology.

Czartoryski Library and Archives: ul. św. Marka 17; documents, illuminated codices, incunabula, books on history, art and culture.

Dom Jana Matejki (*Jan Matejko's House*): ul. Floriańska 41; paintings and personal relics of the eminent 19th-century Polish painter.

The Emeryk Hutten-Czapski Department: ul. Manifestu Lipcowego 12; graphic and numismatic collections.

Temporary Exhibitions: ul. Smoleńsk 9.

State Collections of Art in the Wawel: Wawel; f. 1925; (*a*) Collections of art in the apartments of the Royal Castle, Italian Renaissance furniture, Flemish tapestries, Italian and Dutch painting, Polish carpets; (*b*) Royal treasury: crown jewels, historical relics; (*c*) Armoury: Polish and West European weapons; (*d*) Oriental objects of art; (*e*) Collection relating to the history of Wawel Hill, among other archaeological materials since the paleolithic period, pottery, Polish tiles from the 15th-18th centuries; Dir. Jerzy Szablowski; publs. *Studia do dziejów Wawelu* (Studies in the History of the Wawel) (every two years), *Źrodła do dziejów Wawelu* (Sources of the History of the Wawel), *Biblioteka Wawelska* (the Wawel Library).

ŁÓDŹ

Archæological and Ethnographical Museum: Pl. Wolności 14; f. 1956 as amalgamation of Archæological and Ethnographical Museums (f. 1930); archæology, ethnography, numismatics; library of 12,000 vols.; Dir. Konrad Jażdżewski, ph.d.; publs. *Guides and Reports, Prace y Materiały Muzeum Archaeologicznego i Etnograficznego, seria archeologiczna i seria etnograficzna.*

Muzeum Historii Włókiennictwa: ul. Piotrkowska 282; f. 1960; contains the weaving section formerly at the Muzeum Sztuki; Dir. Krystyna Kondratiuk.

Muzeum Sztuki: Ul. Wieckowskiego 36; f. 1930; departments: Polish art of the 17th, 18th, 19th and 20th centuries; foreign art; international modern art; Dir. Marian Minich.

POZNAŃ

Archaeological Museum: ul. Seweryna Mielżyńskiego 27-29; f. 1857; Polish archæology; Dir. Bogdan Kostrzewski; publ. *Fontes Archaeologici Posnanienses* (annual).

National Museum: Al. Marcinkowskiego 9; f. 1894; art, ethnography, cultural history of Poznań, weapons and military equipment, musical instruments; Dir. Z. Kępiński.

OTHER TOWNS

Church Museum: Przemyśl, Pl. Czackiego 10; f. 1902, reorganised 1947; Gobelin tapestry probably by Guido Reni; Dir. Władysław Lutecki; Curator Dr. Dominik Bialic.

Folk-Culture and Art Museum (*Muzeum Kultury i Sztuki Ludowej*): Warszawa-Młociny, Warszawa ul. Szeroki Dunaj 5; f. 1946; Polish and non-European ethnographical collection; Dir. Prof. Dr. Ksawery Piwocki.

Frederick Chopin Museum: Żelazowa Wola, Distr. Sochaczew near Warsaw; f. 1932; biographical museum, birthplace of Chopin.

Gorzow Museum: Gorzow, Ul. Warszawska 35; f. 1945; human and natural history.

Lańcut Museum: Łańcut, Ul. Zamkowa 1; f. 1945; historic interiors, coaches; Dir. A. Duda-Dziewierz; Curator J. Banach.

Lenin Museum, Poronin: pow. Nowy Targ, ul. Lenina 160; f. 1947; biographical museum in the house formerly inhabited by Lenin; Dir. Michalak Ireneusz.

Lublin Museum: Lublin, The Castle; f. 1906; regional archæological and ethnographic collection, Polish painting and decorative art; Dir. Irena Iskrzycka.

Majdanek Museum: Majdanek, near Lublin; f. 1944; situated in former Nazi concentration camp; illustrating system of mass extermination; Dir. Ed. Greń.

Masovian Museum: Olsztyn, Ul. Zamkowa 2; f. 1945; Dir. Hieronim Skurpski; publ. *Rocznik Olsztyński.*

Museum w Przemyślu: Przemyśl, plac. Czackiego 3; f. 1909; ethnography, archaeology, arts; Dir. Krzysztof Wolski.

Museum w Toruńiu: Toruń, Rynek Staromiejski 1, Ratusz; f. 1861; archæology, collection of coins and engravings, crafts, mediaeval art; art gallery of 19th- and 20th-century Polish painting; Copernicus house; Dir. Jerzy Remer.

Nicholas Kopernik Museum: Frombork, Ul. Katedralna 12 Woj. Olsztynskie; f. 1948; biographical museum.

Oświęcim Museum: Oświęcim, Woj. Krakowski; f. 1946; situated in former Nazi concentration camp at Auschwitz-Birkenau, illustrating system of mass extermination; library and archives; publs. *Oświęcim periodicals, Oswięcim in the Artistic Production* (series).

Pomorze Museum: Gdańsk, Ul. Rzeznicka 25; f. 1945; art, archæology, regional history; Dir. Jan Chranicki.

Rzeszow Museum: Rzeszow, 3-Maja 19; f. 1936; Dir. Dr. Franciszek Błoński.

Silesian Museum: Wrocław, Pl. Powstańców Warszawy 5; f. 1948; art, archaeology, ethnography, numismatics, history, particularly relating to Wrocław; library of 40,000 vols.; Dir. Tadeusz Kaletyn.

Swietokrzyskie Museum: Kielce, Pl. Partyzantów 2-4; f. 1909; State Region Museum illustrating all the problems of Kielce District; Dir. Edmund Massalski.

Tatra Museum: Zakopane, Ul. Krupowki 10; f. 1888; regional flora, fauna and ethnography; Dir. Juliusz Zborowski.

Upper Silesian Museum: Bytom, Pl. Thaelmanna 2; f. 1927 in Katowice, transferred in 1945; geology, biology, art, sculpture and Polish artistic handcraft, regional ethnography, archæology and history, history of steel, mining and smelting; Dir. Doc. Józef Ligęza.

Western Pomerania Museum: Szczecin, Ul. Staromłynska 27; f. 1945; archaeological, maritime, ethnographical and history of art museum; Dir. Władysław Filipowiak; publ. *Materiały Zachodnio-pomorskie.*

L. Wyczolkowski Museum: Bydgoszcz, Al. 1 Maja 4; f. 1880; Polish art, including the paintings of L. Wyczolkowski; Dir. Kazimierz Borucki.

In all there are 107 museums under the administration of the Ministry of Culture and Arts, in addition to numerous local or specialised museums.

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UNIVERSITIES

UNIWERSYTET JAGIELLOŃSKI
(Jagiellonian University)

GOŁEBIA 24, CRACOW
Telephone: 586-06

Founded 1364.

Rector: Kazimierz Lepszy.
Pro-Rectors: Prof. Dr. K. Koziel, Prof. Dr. M. Klimaszewski, Prof. Dr. K. Opalek.

Number of professors and lecturers: 175.
Number of students: 4,927.

Deans:

Faculty of Law: Prof. Dr. W. Siedliecki.
Faculty of Philosophy and History: Prof. Dr. S. Mikucki.
Faculty of Philology: Prof. Dr. J. Safarewicz.
Faculty of Mathematics and Chemistry: Prof. Dr. J. Rayski.
Faculty of Biology and Geography: Prof. Dr. M. Książkiewicz.

Professors:

Faculty of Law:
Borucka-Arctowa, Maria.
Brzezinski, Waclaw.
Cieslak, Marian.
Czarkowski, Jan.
Grzybowski, Konstanty.
Grzybowski, Stefan.
Gwiazdomorski, Jan.
Górecki, Jan.
Kedziorek, Bogdan.
Krzyzanowski, Witold.
Malinowska, Irena.
Opalek, Kazimierz.
Ostrowski, Karol.
Osuchowski, Waclaw.
Oyrzanowski, Bronislaw.
Patkaniowski, Maichal.
Pauli, Lesław.
Przybylowski, Kazimierz.
Ritterman, Stefan.
Roman, Stanislaw.
Sehn, Jan.
Siedliecki, Wladyslaw.
Sobolewski, Marek.
Sośniak, Mieczyslaw.
Stomma, Stanisław.
Studnicki, Franciszek.
Walas, Antoni.
Walaszek, Bronisław.
Włodyka, Stanislaw.
Wolter, Wladyslaw.
Vetulani, Adam.
Zakrzewski, Witold.

Faculty of Philosophy and History:
Augustynek, Zdzisław.
Barycz, Henryk.
Batowski, Henryk.
Bernhard, Maria.
Bobinska-Wolska, Celina.
Bochnak, Adam.
Budkowa, Zofia.
Buszko, Józef.
Choma, Władisław.
Dambska, Izydora.
Dobrowolski, Kazimierz.
Dobrowolski, Tadeusz.
Estreicher, Karol.
Frączkiewicz, Aleksander.
Garbacik, Jozef.
Gawęda, Stanisław.
Gierula, Danuta.
Gladysz, Mieczyslaw.
Hajdukiewicz, Leszek.
Hulewicz, Jan.
Ingarden, Roman.
Jamka, Rudolf.
Kalinowski, Lech.
Klimaszewska, Jadwiga.
Kochański, Zdzisław.
Konopnicki, Jan.
Lepszy, Kazimierz.
Leszczyński-Piliński, Jan.
Mikucki, Sylwiusz.
Mitkowski, Józef.
Owsińska, Anna.
Pasenkiewicz, Kazimierz.
Pieradzka, Krystyna.
Piwarski, Kazimierz.
Podraza, Antoni.
Poźniak, Włodzimierz.
Radziszewska, Julia.
Rybicki, Pawel.
Siemienski, Maksymilian.
Skoczek, Józef.
Suchoń, Stefan.
Susulowska, Maria.
Szablowski, Jerzy.
Szewczuk, Włodzimierz.
Towpasz, Stefan.
Waligórski, Andrzej.
Wawrzoń, Edward.
Wereszycki, Henryk.
Wiatr, Jerzy.
Wolski, Jozef.
Zborowski, Jan.
Zimny, Zygmunt.

Faculty of Philology:
Bielak, Franciszek.
Brozek, Mieczysław.
Bobrownicka, Maria.
Dluska, Maria.
Frančic, Vilim.
Heinz, Adam.
Honowska, Maria.
Jakubowski, Wiktor.
Karas, Mieczysław.
Kijas, Juliusz.
Kowalska, Józefa.
Kubacki, Wacław.
Kuryłowicz, Jerzy.
Lewicki, Tadeusz.
Machalski, Franciszek.
Madyda, Władysław.
Mańczak, Witold.
Markiewicz, Henryk.
Milewski, Tadeusz.
Mroczkowski, Przemysław.
Olak-Porębina, Gabriela.
Ostrowska, Ewa.
Piszczkowski, Mieczysław.
Pobozniak, Tadeusz.
Safarewicz, Halina.
Safarewicz, Jan.
Sławski, Franciszek.
Spytkowski, Józef.
Stopa, Roman.
Strzałkowa, Maria.
Strzelecki, Władysław.
Taszycki, Witold.
Ulewicz, Tadeusz.
Urbańczyk, Stanisław.
Wyka, Kazimierz.
Zajaczkowski, Włodzimierz.
Zaręba, Alfred.
Zimnicki, Władysław.

Faculty of Mathematics and Chemistry:
Bocheńska, Józefa.
Chojnacki, Józef.
Goląb, Stanisław.

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GUMIŃSKI, KAZIMIERZ.
HRYNKIEWICZ, ANDRZEJ.
JANIK, JERZY.
KAMIEŃSKI, BOGDAN.
KORDYLEWSKI, KAZIMIERZ.
KOZIEŁ, KAROL.
KRZYZAŃSKI, MIROSŁAW.
KUNISZ, MARIA DANUTA.
LEŚNIAK, JAN.
ŁOJASIEWICZ, STANISŁAW.
MOSZEW, JAN.
NIEWODNICZAŃSKI, HENRYK.
OLSZEWSKI, JAN.
OPIAŁ, ZDZISŁAW.
POLAK, FELIKS.
RAYSKI, JERZY.
RYBKA, EUGENIUSZ.
SCHOEN, JADWIGA.
SREDNIAWA, BRONISŁAW.
SZARSKI, JACEK.
WAZEWSKI, TADEUSZ.
WOJTASZEK, ZDZISŁAW.

Faculty of Biology and Geography:
DYAKOWSKA, JADWIGA.
FERENS, BRONISŁAW.
FUDAKOWSKI, JÓZEF.
GAWEŁ, ANTONI.
GÓRSKI, FRANCISZEK.
GRODZIŃSKI, ZYGMUNT.
JASICKI, BRONISŁAW.
JURA, CZESŁAW.
KLIMASZEWSKI, MIECZYSŁAW.
KORNAŚ, JAN.
KREINER, JERZY.
KSIĄZKIEWICZ, MARIAN.
KULCZYCKI, ADAM.
MODELSKA, STRZELECKA BOZENA.
PIGOŃ, ANDRZEJ.
SMRECZYŃSKI, STANISŁAW.
STARMACH, KAROL.
STOŁYHWO, EUGENIA.
SZAFRAN, BRONISŁAW.
WOJTUSIAK, ROMAN.
WOLNIK, ROMAN.
WRZOSEK, ANTONI.
ZURZYCKI, JAN.

UNIWERSYTET ŁÓDZKI
(University of Łódz)

NARUTOWICZA 65, ŁÓDŹ

Founded 1945.

Rector: Prof. Dr. STEFAN HRABEC.

Pro-Rectors: Prof. Dr. BERNARD ZABLOCKI, Prof. Dr. EDWARD ROSSET, Doc. Dr. JÓSEF STANISŁAW PIĄTOWSKI.

Librarian: Prof. Dr. HELENA WIĘCKOWSKA.

Publications: *Zeszyty Naukowe Uniwersytetu Łódzkiego.*

DEANS:

Faculty of Law: Prof. Dr. JERZY WRÓBLEWSKI.

Faculty of Philology: Prof. Dr. STEFAN KAWYN.

Faculty of Philosophy and History: Prof. Dr. BOHDAN BARANOWSKI.

Faculty of Biology and Soil Science: Doc. Dr. MIECZYSŁAW DORYWALSKI.

Faculty of Mathematics, Physics and Chemistry: Prof. Dr. WITOLD JANOWSKI.

Faculty of Economics: Doc. Dr. JAN MUJŻEL.

KATOLICKI UNIWERSYTET LUBELSKI
(Catholic University of Lublin)

LUBLIN

Telephone: 23-93

Founded 1918.

Rector: Rev. Prof. MARIAN RECHOWICZ.

Pro-Rector: Rev. Prof. ZDZISŁAW PAPIERKOWSKI.

Number of professors: 33.
Number of students: 1,569.

Publications: *Zeszyty Naukowe Kul, Roczniki Teologiczne-Kanonike, Rocziki Filosoficzne, Roczniki Humanistyczne.*

DEANS:

Faculty of Theology: Rev. Prof. A. L. KRUPA.

Faculty of Canon Law: Rev. Prof. JÓZEF RYBCZYK.

Faculty of Philosophy: Prof. CZESŁAW STRZESZEWSKI.

Faculty of Humanities: Prof. IRENA SŁAWIŃSKA.

UNIWERSYTET MARII CURIE-SKŁODOWSKIEJ
(Marie Curie-Skłodowska University)

PLAC LITEWSKI 5, LUBLIN

Telephone: 16-98

Telegraphic Address: Sklodmar

Founded 1944

Rector: Prof. Dr. GRZEGORZ LEOPOLD SEIDLER.

Pro-Rectors: Prof. Dr. NARCYZ ŁUBNICKI, WŁODZIMIERZ ŻUK.

Chief Administrative Officer: STANISŁAW BIENIA.

Librarian: SMOLKA TADEUSZ.

Number of teachers: 81.
Number of students: 2,801.

Publication: *Annales Universitatis Mariae Curie Skłodowska.*

DEANS:

Faculty of Law: Prof. Dr. J. MAZURKIEWICZ.

Faculty of Humanities: Doc. Dr. T. MENCEL.

Faculty of Mathematics, Physics and Chemistry: Doc. Dr. J. KRZYŻ.

Faculty of Biology and Geography: Doc. Dr. J. ERNST.

PROFESSORS:

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Faculty of Humanities:
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ERNST, JAN (Economic Geography).
HOŁOBUT, WIESŁAW (Animal Physiology).
JANISZEWSKI, MICHAŁ (Regional Geography).
LORKIEWICZ, ZBIGNIEW (Microbiology).
MALICKI, ADAM (Physical Geography).
MARUSZCZAK, HENRYK (Physical Geography).
MATUSIAK, KAZIMIERZ (Microbiology).
MODRZEWSKA, KRYSTYNA (Anthropology).
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OLSZEWSKA, MARIA (Plant Anatomy and Cytology).
PARNAS, JÓZEF (Medical Microbiology).
PACHUCKI, CZESŁAW (Geology).
PASZEWSKI, ADAM (Plant Physiology).
RIABININ, SERGIUSZ (Nature Protection).
RYDZAK, JAN (Systematics and Plant Geography).
STRAWIŃSKI, KONSTANTY (Systematic Zoology).
TROJANOWSKI, JERZY (Biochemistry).
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WIAZOWSKI, KAZIMIEREZ (Anthropology).
ZIEMECKA, JADWIGA (Microbiology).
ZINKIEWICZ, WŁODZIMIERZ (Meteorology and Climatology).

Faculty of Mathematics, Physics and Chemistry:
AKERMAN, KAROL (Chemical Technology).
BIELECKI, ADAM (Mathematics).
HUBICKI, WŁODZIMIERZ (Inorganic Chemistry).
JANCZEWSKI, MARIAN (Organic Chemistry).
KRZYZ, JAN (Mathematics).
OLEKIEWICZ, MIKOŁAJ (Mathematical Statistics).
OŚCIK, JAROSŁAW (Physical Chemistry).
PENKALA, TADEUSZ (Mineralogy and Crystallography).
RADZISZEWSKI, KONSTANTY (Mathematics).
STACHORSKA, DANUTA (Experimental Physics).
TATARKIEWICZ, KRZYSZTOF (Mathematics).
TESKE, ARMIN (Physics).
URBAŃSKI, WŁODZIMIERZ (Theoretical Physics).
WAKSMUNDZKI, ANDRZEJ (Physical Chemistry).
ZUK, WŁOZIMIERZ (Experimental Physics).

UNIWERSYTET IM ADAMA MICKIEWICZA W POZNANIU
(Adam Mickiewicz University in Poznań)

STALINGRADZKA 1, POZNAŃ
Telephone: 80-41
Founded 1919.

Rector: Prof. Dr. G. LABUDA.
Pro-Rectors: Prof. Dr. F. KOEBCKE, Prof. Dr. Cz. ŁUCZAK, Prof. Dr. J. WĄSICKI.
Registrar: Dr. TADEUSZ KLANOWSKI.
Librarian: Dr. STANISŁAW KUBIAK.

Number of teachers: 425.
Number of students: 7,226.
Publications: *Zeszyty Naukowe, Skrypty.*

DEANS:
Faculty of Law: Prof. Dr. JAN HABER.
Faculty of Philosophy and History: Doc. Dr. JÓSEF BURSZTA.
Faculty of Mathematics, Physics and Chemistry: Prof. Dr. JAN WOJTCZAK.
Faculty of Biology and Soil Science: Doc. Dr. MARIA CZEKAŃSKA.
Faculty of Philology: Doc. Dr. JERZY ZIOMEK.

UNIWERSYTET MIKOŁAJA KOPERNIKA W TORUNIU
(Nicholas Copernicus University of Toruń)

TORUŃ
Telephone: 6021
Founded 1945.

Rector: Prof. Dr. ANTONI SWINARSKI.
Pro-Rectors: Prof. Dr. KAZIMIERZ BISKUPSKI, Prof. Dr. WITOLD LUKASZEWICZ.

Number of professors and lecturers: 119.
Number of students: 3,472.

DEANS:
Faculty of Humanities: Prof. Dr. WACLAW CIMOCHOWSKI.
Faculty of Mathematics, Physics and Chemistry: Prof. Dr. KAZIMIERZ ANTONOWICZ.
Faculty of Biology and Soil Science: Prof. Dr. MELITYNA GROMADSKA.
Faculty of Law: Prof. Dr. WACŁAW DAWIDOWICZ.
Faculty of Fine Arts: Prof. Dr. GWIDON CHMARZYNSKI.

UNIWERSYTET WARSZAWSKI
(University of Warsaw)

KRAKOWSKIE PRZEDMIESCIE 26-28, WARSAW
Telephone: 6.60-81
Founded 1818

Rector: Prof. Dr. S. TURSKI.
Pro-Rectors: Prof. Dr. WITOLD CZACHORSKI, Prof. Dr. Z. KRACZKIEWICZ, Prof. Dr. JANINA KULCZYCKA-SALONI.
Administrative Director: Dr. H. GERTNER.
Registrar: (Vacant).
Librarian: Dr. JAN BACULEWSKI.

Number of teachers: 283 and 818 assistant professors.
Number of students: 9,800 and 5,840 extra-mural students.
Publication: *Roczniki Uniwersytetu Warszawskigo.*

DEANS:
Faculty of Biology: Doc. Dr. MARIAN RYBICKI.
Faculty of Chemistry: Prof. JAN SWIDERSKI.
Faculty of Political Economy: Prof. Dr. WITOLD KULA.
Faculty of Philology: Doc. Dr. EUGENIUSZ SAWRYMOWICZ.
Faculty of Philosophy: Prof. Dr. ROMAN SUSZKO.
Faculty of Geology: Prof. Dr. ANTONI POLAŃSKI.
Faculty of History: Prof. Dr. LUDWIK BAZYLOW.
Faculty of Mathematics and Physics: Prof. Dr. HELENA RASIOWA.
Faculty of Pedagogy: Prof. Dr. RYSZARD WROCZYŃSKI.
Faculty of Law: Prof. Dr. JERZY JODŁOWSKI.

PROFESSORS:

Faculty of Biology and Geography:
BARBAG, J. (Regional Geography).
BIERNACKI, FRANCISZEK (Cartography).
CHMIELEWSKA, IRENA (Biochemistry).
GAJEWSKI, WACŁAW (Plant Geography).
JACZEWSKI, TADEUSZ (Zoology).

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KACZOROWSKA, ZOFIA (Climatology).
KARPOWICZOWA, L. (Plant Geography).
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KONDRACKI, JERZY (Physical Geography).
KOSTROWICKI, JERZY (Economic Geography)
KRACZKIEWICZ, ZYGMUNT (Cytology).
KUNICKI, G. W. (Microbiology).
LESZCZYCKI, STANISLAW (Economic Geography).
MATUSZKIEWICZ, WLADISLAW (Plant Ecology).
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RYBICKI, MARIAN (Zoology).
SKIRGIELLO, A. (Plant Geography).
STREBEYKO, PIOTR (Plant Physiology).
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TELEZYŃSKI, HENRYK (Plant Anatomy).
WINID, BOGODAR (Regional Geography).
WUTTKE, GUSTAV (Teaching of Geography).

Faculty of Chemistry:
ACHMATOWICZ, OSMAN (Organic Chemistry).
CHROBAK, LUDWIK (Crystallography).
KECKI, Z. (Physical Chemistry).
KEMULA, WIKTOR (Mineral Chemistry).
KOLOS, W. (Physical Chemistry).
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ORSZAGH, ANDRZEJ (Chemical Technology).
RODEWALD, W. (Organic Chemistry).
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WRÓBEL, Y. (Organic Chemistry).
ZLOTOWSKI, IGNACY (Nuclear Chemistry).

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KAFEL, MIECZYSLAW (Theory and Practice of Journalism).
MLYNARSKI, ZYGMUNT (Press History).

Faculty of Political Economy:
BARTEL, Z. (Political Economy).
BOBROWSKI, CZESLAW (Economic Planning).
BRUS, WLODZIMIERZ (Political Economy).
FISZEL, H. (Political Economy).
GRENIEWSKI, HENRYK (Economic Analysis).
KULA, WITOLD (Economic History).
LANGE, OSCAR (Political Economy).
LEWANDOWSKI, J. (Political Economy).
LYCHOWSKI, TADEUSZ (International Economics).
MORECKA, Z. (Political Economy).
PAJESTKA, J. (Political Planning).
SOTDACZUK, J. (International Economics).
VIELROSE, E. (Statistics).
WERYHA, ALEKSANDER (Statistics).
ZAWADZKI, JÓZEF (Political Economy).
ZURAWICKI, SEWERYN (History of Economic Theory).

Faculty of Philology:
ADLER, E. (German Philology).
BIELAWSKI, J. (Turkish Studies).
BIRKENMAJER, ALEXANDER (Librarianship).
BRAHMER, MIECZYSLAW (Romance Philology).
BRANDWAJN, RACHMIEL (Romance Philology).
BUCH, TAMARA.
BUDZYK, KASIMIERZ (Theory of Literature).
CHMIELEWSKI, JANUSZ (Sinology).
CSAPLAROS, I. (Hungarian Philology).
CYTOWSKA, MARIA (Classical Philology).
DOROSZEWSKI, WITOLD (Polish Language).
FISZMAN, S. (Russian Literature).
FRYBES, S. (Polish Literature).
HELSZTYŃSKI, STANISLAW (English Philology).
HLEB, KOSSANSKA (Librarianship).
JAKUBOWSKI, JAN ZYGMUNT (Polish Literature).
KOTAŃSKI, J. (Japanology).
KOTT, JAN (Polish Literature).
KRZYZANOWSKI, JULIAN (Polish Literature).
KUMANIECKI, K. (Classical Philology).
KURKOWSKA, HALINA (Polish Language).
LEWICKA, L. (Romance Philology).
LIBERA, ZDZISLAW (Polish Literature).
MAGNUSZEWSKI, J. (Slavonic Philology).
MAYENOWA, M. R. (Theory of Literature).
MAYKOWSKA (Classical Philology).
MILEJKOWSKA, HALINA (Russian Language).
MIROWICZ, ANATOL (Russian Philology).
NOWAK-DLUZEWSKI, JULIUSZ (Polish Literature).
OBREBSKA-JABLOŃSKA, ANTONINA (White Russian Philology).
RANOSZEK, RUDOLF (Ancient Oriental Philology).
REMEROWA, K. (Librarianship).
REYCHMAN, JAN (Turkish Studies).
RZADKOWSKA, E. (Romance Philology).
SALONI-KULCZYCKA, J. (Polish Literature).
SAWRYMOWICZ, E. (Polish Literature).
SCHLAUCH, MARGARET (English Philology).
SIECZKOWSKI, A. (Slavonic Philology).
SINKO, GRZEGORZ (English Language).
SIVERT, T. (History of Polish Literature).
SKORUPKA, STANISLAW (Polish Language).
SLIZINSKI, J. (Slavonic Philology).
SLUSZKIEWICZ, EUGENIUSZ (Indian Philology).
STIEBER, ZDZISLAW (Slavonic Philology).
STRASZEWSKA, M. (Polish Literature).
STRELCYN, STEFAN (Semitic Philology).
SWIERKOWSKI, KSAWERY (Librarianship).
SZAROTA, MARIA ELIDA (German).
SZMYDTOWA, ZOFIA (Polish Literature).
TOKARSKI, J. (Polish Language).
WIECZORKIEWICZ, B. (Polish Language).
WINNICZUK, L. (Classical Philology).
WITCZUK, FLORIAN (German Philology).
WOJTASIEWICZ, O. (Sinology).
ZAJACZKOWSKI, ANANIASZ (Turkish Studies).
ZÓLKIEWSKI, STEFAN (Polish Literature).
ZUROWSKI, MACIEJ (Romance Philology).
ZWOLIŃSKI, P. (Ukrainian Philology).

Faculty of Philosophy:
ASCSODOBRAJ-KULA, NINA (History of Sociology).
BACZKO, B. (Modern Philosophy).
BAUMAN, Z. (Sociology).
FRITZHAND, M. (Philosophy).
HOCHFELD, JULIAN (Sociology).
KOLAKOWSKI, L. (Modern Philosophy).
KOTARBIŃSKA, JANINA (Logic).
KRAJESKI, W. (Philosophy).
LEGOWICZ, J. (Ancient and Medieval Philosophy).
MORAWSKI, S. (Aesthetics).
NOWAKOWSKI, S. (Sociology).
OSSOWSKA, MARIA (Ethics).
OSSOWSKI, STANISLAW (Sociology).
PELC, J. (Logic).
PRZELECKI, M. (Logic).
SCHAFF, ADAM (Philosophy).
SUSZKO, R. (Logic).
SZANIAWSKI, K. (Logic).

Faculty of Geology:
BOBROWSKI, W. (Mining Geology).
GLAZER, Z. (Engineering Geology).
GOLAB, JÓZEF (Hydrogeology).
GUZIK, K. (General Geology).
KOSTYNIUK, MIKOLAJ (Palæontology).
KOTANSKI, Z. (General Geology).
KOWALSKI, W. (Engineering Geology).
LYDKA, K. (Petrography).
MAKOWSKI, K. (Historical Geology).
PASSENDORFER, EDWARD (General Geology).
PAZDRO, Z. (Hydrogeology).
PENKALA, T. (Mineralogy and Geochemistry).
POLAŃSKI, ANTONI (Mineralogy and Geochemistry).
POZARYSKI, WLADISLAW (Palæontology).
RÓZYCKI, STEFAN (Quaternary Geology).
SMULIKOWSKI, KAZIMIERZ (Petrography).
TURNAU-MORAWSKA, MARIA (Petrography).
TUSZKO, A. (Hydrogeology).
URBANEK, A. (Paleontology).
WUTTKE, K. (Hydrogeology).

Faculty of History:
ANTONIEWICZ, WLODZIMIERZ (Polish Archæology).
ARNOLD, STANISLAW (Pre-18th Century Polish History).
BAZYLOW, L. (History of U.S.S.R.).
BIALOSTOCKI, J. (History of Modern Art).
BIEZUŃSKA-MALOWISTOWA, IZABELA (Ancient History).

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Bornholtz, A. (Historiography).
Chominski, Józef (Musicology).
Dynowski, Witold (Ethnography).
Feicht, Hieronim (Musicology).
Gasiorowska-Grabowska, Natalia (19th and 20th Century Polish History).
Gerber, Rafal (Modern History).
Gieysztor, Aleksander (Medieval History).
Hensel, Witold (Slav Archæology).
Herbst, Stanisław (Pre-18th Century Polish History).
Jabłonski, Henryk (19th and 20th Century Polish History).
Kieniewicz, Stefan (19th and 20th Century Polish History).
Kormanowa, Zanna (19th and 20th Century Polish History).
Kulczycki, Jerzy (Mediterranean Archæology).
Kunderewicz, C. (Ancient Law, Papirology).
Kutrzeba-Pojnarowa, A. (Ethnography).
Lissa ,Zofia (Musicology).
Lorentz, Stanisław (History of Modern Art).
Majewski, Kazimierz (Mediterranean Archæology).
Małowist, Marian (Medieval History).
Manteuffel, Tadeusz (Medieval History).
Michałowski, Kazimierz (Mediterranean Archæology).
Moszczeńska, Wanda (19th and 20th Century Polish History).
Pietrzak-Pawlowska, I. (19th and 20th Century Polish History).
Rodzinski, A. Modern History).
Samsonowicz, H. (Medieval History).
Sobieski, M. (Musicology).
Starzyński, Juliusz (History of Modern Art).
Swiderek, A. (Papirology).
Tomkiewicz, Władysław (History of Artistic Culture).
Turlejska, Maria (Polish Modern History).
Walicki, M. (History of Medieval Art).
Wartolowska, Z. (Polish Archæology).
Woliński, Janusz (Modern History).
Zahorski, A. (Modern History).

Faculty of Mathematics and Physics:

Biatynicki, B. Z. (Electrodynamics).
Bonder, Julian (Aeromechanics).
Bojarski, B. (Mathematical Analysis).
Borsuk, Karol (Geometry).
Buras, B. (Electronics and Radiology).
Burnat, M. (Mathematics).
Dabrowski, J. (Optics and Mechanics).
Danysz, Marian (Atomic Physics).
Infeld, Leopold (Electrodynamics and Theory of Relativity).
Kopcewicz, Teodor (Atmospheric Physics).
Królikowski, W. (Optics and Mechanics).
Kuratowski, Kazimierz (Topology).
Łunc, Michal (Aeromechanics).
Maurin, K. (Mathematical Analysis).
Mazur, Stanisław (Mathematical Analysis).
Mostowski, Andrzej (Algebra).
Nowacki, Witold (Theory of Fluids).
Olczak, Tadeusz (Litospheric Physics).
Piotrowski, Stefan (Astrophysics).
Plebański, J. (Optics and Mechanics).
Pniewski, Jerzy (Experimental Physics).
Rasiowa, H. (Algebra).
Rubinowicz, Wojciech (Optics and Mechanics).
Rudnicki, K. (Astronomy).
Serkowski, K. (Astronomy).
Sierpiński, Wacław (Theory of Real Functions).
Sikorski, Roman (Mathematical Analysis).
Skaliński, T. (Experimental Physics).
Sosnowski, Leonard (Electronics and Radiology).
Suffczyński, Maciej (Electrodynamics and Theory of Relativity).
Szmielew, W. (Geometry).
Szmuszkowicz, H. (Mathematical Analysis).
Szymanski, Z. (Physics).
Trautman, A. (Electrodynamics).
Turski, Stanisław (General Mathematics).
Wardzynski, W. (Physics of Solids).
Werle, J. (Nuclear Atomics and Thermodynamics).
Wilhelmi ,Z. (Atomic Physics).
Wolska, A. (Physics).
Zelasny, R. (Physics).
Zonn, Włodzimierz (Astronomy).

Faculty of Pedagogy:

Doroszewska, J.
Grzegorzewska, M.
Jedlewski, S.
Kwiatek, J.
Nawroczyński, B.
Okoń, Wincenty
Pasierbiński, T.
Suchodolski, B.
Szaniawski, J.
Szczerba, W.
Wojciechowski, K.
Wołoszyn, S.
Wroczyński, R.
} (Pedagogy).

Kreutz, Mieczyslav (General Psychology).
Kurdybacha, Łukasz (History of Teaching).
Spionek-Pelc, H. (Psychology).
Szulkin, M. (History of Education).
Tomaszewski, Tadeusz (General Psychology).
Wołoszyn, L. (Psychology).
Zebrowska, Maria (Educational Psychology).

Faculty of Law:

Andrejew, Igor (Penal Law).
Bardach, Juliusz (Polish Law and Institutions).
Batawia, Stanisław (Penal Law).
Berezowski, Cezary (International Law).
Czachórski, Witold (Civil Law).
Ehrlich, Stanisław (Legal Theory).
Gintowt, Edward (Roman Law).
Gubiński, A. (Penal Law).
Horoszowski, Paweł (Criminology).
Jodłowski, Jerzy (Civil Law).
Kalinowski, S. (Penal Law).
Katz, S. (International Law).
Koranyi, Karol (History of Institutions).
Kurowski, Leon (Financial Law).
Lachs, Manfred (International Law).
Lernell, Leszek (Penal Law).
Leśnodorski, Bogusław (Polish Law and Institutions).
Lubowicki, Jerzy (Financial Law).
Maneli, M. (Legal Theory).
Piotrowski, Roman (Civil Law).
Resich, Z. (Civil Law).
Rogoziński, Z. (Statistics and Demography).
Rozmaryn, Stefan (Constitutional Law).
Rybicki, Z. (Administrative Law).
Sawicki, Jakub (Penal Law).
Sawicki, Jerzy (Polish Law and Institutions).
Sobocinski, W. (Slavonic Law).
Starościak, Jerzy (Administrative Law).
Stelmachowski, A. (Civil Law).
Swiatkowski, H. (Agrarian Law).
Szer, Seweryn (Civil Law).
Trammen, H. (International Private Law).
Warkałło, W. (Civil Law).
Wasilowski, Jan (Civil Law).
Weralski, M. (Financial Law).
Zdrójkowski, Z. (History of Institutions).

UNIWERSYTET WROCŁAWSKI IM BOLESLAWA BIERUTA

(Wrocław B. Bierut University)

WROCŁAW, PLAC UNIWERSYTECKI 1, WROCŁAW

Telephone: 382-16, 380-71

Telegraphic Address: Uniwersytet, Wrocław

Rector: Prof. Dr. Alfred Jahn.
Vice-Rectors: Prof. Dr. Marian Jakobiec, Prof. Dr. Kazimierz Urbanik, Prof. Dr. Kazimierz Orzechowski.
Registrar: Mgr. Antoni Adamkiewicz.
Librarian: Prof. Dr. Antoni Knot.

Number of teachers: 124.
Number of students: 6,507.
Publications: *Zeszyty Naukowe Uniwersytetu Wrocławskiego, Acta Universitatis Wratislaviensis.*

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DEANS:
Faculty of Law: Doc. Dr. WŁADISŁAW ZAMKOWSKI.
Faculty of Philology: Prof. Dr. WŁADYSŁAW FLORYAN.
Faculty of Philosophy and History: Prof. Dr. KAZIMIERZ POPIOŁEK.
Faculty of Natural Sciences: Doc. Dr. EDWARD ZUBIK.
Faculty of Mathematics, Physics and Chemistry: Prof. Dr. JAN ŁOPUSZÁNSKI.

PROFESSORS:
BAK, STANISŁAW (Philology).
BIGO, TADEUSZ (Law).
CZAPLINSKI, WŁADYSŁAW (History).
FLORYAN, WŁADYSŁAW (Philology).
HARTMAN, STANISŁAW (Algebra).
HUBERT, STANISŁAW (Law).
INGLOT, STEFAN (History).
JAHN, ALFRED (Geography).
JAKOBIEC, MARIAN (Philology).
KNASTER, BRONISŁAW (Geometry).
KOLBUSZEWSKI, STANISŁAW (Philology).
KOSIBA, ALEKSANDER (Meteorology).
KROKOWSKI, JERZY (Philology).
KUCZYNSKI, HENRYK (Chemistry).
KULCZYNSKI, STANISŁAW (Biology).
MALECZYNSKI, KAROL (History).
MARCZEWSKI, EDWARD (Mathematics).
MAZUR, JOZEF (Physics).
MERGENTALER, JAN (Astronomy).
POPIOŁEK, KAZIMIERZ (History).
ROSPOND, STANISŁAW (Philology).
RZEWUSKI, JAN (Physics).
SEMBRAT, KAZIMIERZ (Zoology).
SŁUPECKI, JERZY (Mathematics).
SWIDA, WITOLD (Law).
TEISSEYRE, HENRYK (Geology).
TRZEBIATOWSKA (Chemistry).
WASOWICZ, JOZEF (Cartography).
WYSLOUCH, SEWERYN (Law).

TECHNICAL UNIVERSITIES

POLITECHNIKA CZESTOCHOWSKA
(Częstochowa Technical University)

UL. DĄBROWSKIEGO 79, CZESTOCHOWA
Telephone: 25-80, 31-31
Telegraphic Address: Politechnika, Częstochowa

Founded 1949

Rector: Prof. Dr. Inż. WACŁAW SAKWA.
Pro-Rector: Doc. Dr. Inż. JAN GRAJCAR.
Chief Administrative Officer: Mgr. HENRYK KOŹMIŃSKI.
Librarian: Mgr. ZBIGNIEW MROWIŃSKI.

Number of teachers: 132.
Number of students: 954.

Publications: *Zeszyty Naukowe Politechniki Częstochowskiej* (Scientific Journal; Series in Mechanics, Metallurgy, Foundry, Basic Sciences, Dissertations).

DEANS:
Faculty of Mechanics: Dr. Eng. EUGENIUSZ KUCZYNSKI.
Faculty of Metallurgy: Doc. M. Inż. STANISŁAW KARBOWNICKI.

PROFESSORS:
Faculty of Mechanics:
BISKUPSKI, JERZY (Welding).
DAWIDOWICZ, STANISŁAW (Thermodynamics).
GRAJCAR, JAN (Machine-Tools).
KLEJA, KAZIMIERZ.
KOLAKOWSKI, JERZY (Plastic Deformation).
KUCZYNSKI, EUGENIUSZ (Machine-Tools).
MICHEJDA, OSKAR (Mechanics, Strength of Materials).
OLCZAKOWSKI, WŁADYSŁAW (Water and Fuel Technology).
PALCZEWSKI, JAN (Machine Elements and Theory).
PIETRANIEC, ANTONI (Physics).
STEPOWSKI, STEFAN.
WSZELACZYŃSKI, ANDRZEJ (Heat Machines).

Faculty of Metallurgy:
BALICKI, STEFAN (Foundry Practice).
CZARNOTA, ALFRED (Mathematics).
FORYST, JULIUSZ (Physical and Electro-Chemistry).
GOTTFRIED, JAN (Elecrotechnics).
HACZEWSKI, WŁADYSŁAW (Physical Metallurgy).
JAZWIŃSKI, STANISŁAW (Metallurgy).
KARBOWNICKI, STANISŁAW (Chemistry).
KOWALEWSKI, MIKOŁAJ (Plastic Metalworking).
OFIOK, ANDRZEJ (Pig Iron Metallurgy).
PUCZYŃSKI, BOHDAN (Economy).
SAKWA, WACŁAW (Foundry Practice).
WERNICKI, ZBIGNIEW (Industrial Furnaces).

POLITECHNIKA GDAŃSKA
(Gdańsk Technical University)

UL. MAJAKOWSKIEGO 11, GDAŃSK
Telephone 31-42-21

Founded 1945

Rector: Prof. Dr. KAZIMIERZ KOPECKI.
Librarian: Mgr. BARBARA MIELCARZEWICZ.

Number of teachers: 604.
Number of students: 5,597.
Library: 189,703 vols.

Publications: *Zeszyty Naukowe Politechniki Gdańskiej* (Scientific Papers of the Technical University of Gdańsk).

DEANS:
Faculty of Architecture: STANISŁAW RÓŻAŃSKI.
Faculty of Shipbuilding: JERZY DOERFFER.
Faculty of Civil Engineering: ROMAN KAZIMIERCZAK.
Faculty of Hydraulics: WŁADYSŁAW WEDZIŃSKI.
Faculty of Chemistry: TADEUSZ POMPOWSKI.
Faculty of Electrical Engineering: STANISŁAW TRZETRZEWIŃSKI.
Faculty of Electronics and Telecommunications: JÓZEF LENKOWSKI.
Faculty of Mechanical Engineering: HENRYK WIECKIEWICZ.
Faculty of Machine Technology: LEON DREHER.

PROFESSORS:
Faculty of Architecture:
BISZEWSKI, KAZIMIERZ (Buildings for Touring and Sports).
CZERNY, WŁADYSŁAW (Town and City Planning).
GERZABEK, ADAM (Painting).
LAM, WŁADYSŁAW (Drawing and Painting).
MARKOWSKI, FELIKS (Rural Architecture and Planning).
OTTO, FRANCISZEK (Descriptive Geometry).
POREBOWICZ, STEFAN (Hospital Buildings).
PROHASKA, KAZIMIERZ (Industrial Buildings).
RÓZAŃSKI, STANISŁAW (Regional Planning).
RYBICKI, JÓZEF (Municipal Architecture).
RYDLEWSKI, STANISŁAW (Statics and Building Structures).

Faculty of Shipbuilding:
BROSCH, JAN (Pumps).
DOERFFER, JERZY (Technology of Ships).
GERLACH, TADEUSZ (Auxiliary Ship Equipment).
KOBYLIŃSKI, LECH (Theory of Shipbuilding).
PERYCZ, STEFAN (Steam and Gas Turbines).
POTYRAŁA, ALEKSANDER (Ship Construction).
STALIŃSKI, JANUSZ (Ship Power Installations).

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Szewalski, Robert (Steam and Gas Turbines).
Wieckowski, Józef (Mechanics of Ship Structures).
Wysocki, Józef (Mechanics).

Faculty of Civil Engineering:
Błaszkowiak, Stanisław (Steel Bridges).
Bogucki, Władysław (Steel Structures).
Bukowski, Bronisław (Reinforced Concrete Building).
Dąbrowski, Ryszard (Structural Mechanics).
Kazimierczak, Roman (Structural Mechanics).
Pawelski, Wacław (Mathematics).
Rubczak, Tadeusz (Railroad Engineering).
Szamin, Teodor (Principles of Building).
Szczygieł, Juliusz (Reinforced Concrete Bridges).
Szulczyński, Tadeusz (Reinforced Concrete Building).

Faculty of Hydraulics:
Balcerski, Wacław (Hydraulic Constructions).
Cebertowicz, Romuald (Hydraulics and Hydrology).
Hückel, Stanisław (Foundation).
Karwowski, Józef (Waterways).
Krzyszowski, Józef (Science of Soils).
Sielski, Jerzy (Hydraulics and Hydrology).
Szymborski, Stanisław (Geology and Oceanology).
Tubieliwicz, Witold (Harbours and Sea Works).
Wędziński, Władysław (Land Reclamation).

Faculty of Chemistry:
Adamczewski, Ignacy (Physics).
Borowski, Edward (Organic Chemistry).
Kamieński, Leon (Organic Chemistry).
Ledóchowski, Zygmunt (Drugs Chemistry and Technology).
Niewiadomski, Henryk (Fat Technology).
Pompowski, Tadeusz (Technical Analytical Chemistry and Testing of Materials).
Libus, Włodzimierz (Physical Chemistry).
Rodziewicz, Włodzimierz (Inorganic Chemistry).
Rozmej, Zbigniew (Chemical Technology).
Rosner, Witold (Chemical Machinery and Apparatus).
Tarnawski, Eustachy (Mathematics).
Taszner, Emil (General Chemistry).
Tilgner, Damazy (Animal Products Technology).

Faculty of Electrical Engineering:
Ciechanowicz, Piotr (Principles of Electrical Engineering).
Goscicki, Ignacy (Rural Electrification).
Grudziecki, Stefan (High Voltage and Switch Gear).
Hellmann, Włodzimierz (Electrical Power Engineering).
Jankowski, Aleksander (Electrical Power Engineering).
Kenig, Eugeniusz (Applied Electrical Engineering).
Kopecki, Kazimierz (Electrical Power Engineering).
Kurski, Longin (Electrical Drive).
Lipski, Tadeusz (High Voltage and Switch Gear).
Markiewicz, Henryk (Marine Electrical Engineering).
Piasecki, Jan (Plants Electrification).
Rodkiewicz, Mieczysław (Electrical Drive).
Roszczyk, Stefan (Electrical Machines).
Szpor, Stanisław (High Voltage and Switch Gear).
Trzetrzewiński, Stanisław (Electrical Measurements).
Woynarowski, Zbigniew (Elements of Machines and Electrical Devices).

Faculty of Electronics and Telecommunications:
Drozdowicz, Leon (Microwave Technics).
Lenkowski, Józef (Radio Receiving Equipment).
Moscicki, Włodzimierz (Physics).
Seidler, Jerzy (Principles of Telecommunications).
Szukszta, Wiktor (Switching Equipment and Telephone Sytsems).
Zimmermann, Roman (Electronic Measurements).

Faculty of Mechanical Engineering:
Debicki, Mieczysław (Motor Vehicles).
Krzyzanowski, Władysław (Hydraulic Turbines and Hydromechanics).
Madejski, Jan (Thermodynamics).
Piatek, Marian (Technical Mechanics).
Rachalski, Alfred (Mechanical Handling Equipment).
Rutecki, Jerzy (Strength of Materials).
Wieckiewicz, Henryk (Piston Steam Engines).
Zygmunt, Kazimierz (Machine Elements).

Faculty of Machine Technology:
Dreher, Leon (Welding).
Dziewanowski, Romuald (Mechanical Technology of Wood).
Kryński, Henryk (Political Economy).
Siemiński, Ryszard (Wood Working Machines).
Wójcik, Francisezk (Machining of Metals).

POLITECHNIKA KRAKOWSKA
(Cracow Technical University)

WARZAWSKA 24, CRACOW
Telephone: 303-00

Founded 1945.

Rector: Prof. Dr. Ing. Bronisław Kopyciński.
Chief Administrative Officer: Jan Wydro.
Librarian: Józef Czerni.

Teaching staff: 124.
Number of students: 2,849.
Library: 60,132 vols.

Faculties: Architecture, Civil Engineering, Hydraulic Engineering, Mechanical Engineering.

POLITECHNIKA ŁODŹKA
(Technical University of Łódź)

ŁÓDŹ

Founded 1945

Rector: Jerzy Werner.
Pro-Rector: Karol Przanowski.
Pro-Rector: Mieczysław Serwiński.
Director: Michał Albert.

Library: Books 125,811 vols.; periodicals 20,341 vols; special publications (patents, standards) 55,254 vols.
Number of staff: 68, of which 32 professors.
Number of students (1962): 4,078.
Publications: *Zeszyty Naukowe, Katedry Politechniki Łódźkiej, Program wykładów.*

Deans:

Faculty of Mechanics: Janusz Szreniawski.
Faculty of Electricity: Stanisław Dzierzbicki.
Faculty of Chemistry: Stanisław Chrzczonowicz.
Faculty of Textiles: Jan Szmelter.
Faculty of Chemistry of Foodstuffs: Jerzy Kroh.
Faculty of Building: Władysław Kuczyński.

Professors:

Faculty of Mechanics:
Burnat, Leon (Machine Tools and Shaping).
Gundlach, Władysław (Thermal Flow Machines).
Korewa, Witold (Machine Design).
Leyko, Jerzy (Strength of Materials).
Piatkiewicz, Aleksy (Cranes and Conveyors Design).
Szreniawski, Janusz (Technology of Metals).
Wendorff, Zofia (Physical Metallurgy).
Werner, Jan (Thermal Piston Machines).
Werner, Jerzy (Automobile Engineering).

Faculty of Electricity:
Iwaszkiewicz, Witold (Measurements).
Jaworski, Czesław (Electric Trains).
Jezierski, Eugeniusz (Electric Machines and Transformers).
Konorski, Bolesław (Electrical Engineering).
Pelczewski, Władysław (Electric Drive).
Przanowski, Karol (Electric Energetics).
Sochor, Bronisław (Electric Heating).

Faculty of Chemistry:
Bochwic, Bolesław (Organic Chemistry and Microanalysis).
Chrzczonowicz, Stanisław (Technology of Plastics).
Dorabialska, Alicja (Physical Chemistry).
Józefowicz, Edward (Inorganic Chemistry).
Michalski, Jan (Organic Syntheses).
Nowakowski, Aleksander (Organic Technology).

Faculty of Textiles:
Boryniec, Atanazy (Technology of Synthetic Fibres).
Klimek, Mieczysław (The Industrial Arrangement of Textile Institutions).
Prindisz, Pawel (Spinning).
Szmelter, Jan (Technical Mechanics).
Turska-Kusmierz, Eligia (Physical Chemistry of Polymers).
Zyliński, Tadeusz (Raw Materials and Meteorology).

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Faculty of Chemistry of Foodstuffs:
JAKUBOWSKA, JADWIGA (Technical Microbiology).
MASIOR, STANISLAW (Technology of Fermentation).
ZAGRODZKI, STANISLAW (Sugar and Foodstuffs Technology).
Faculty of Building:
RUCKI, RAFAEL (Building).

POLITECHNIKA POZNANSKA
(Poznań Technical High School)

PL. CURIE SKŁODOWSKIEJ 5, POZNAŃ

Founded 1918

Rector: Prof. Dr. Ing. ZBIGNIEW JASICKI.

Teaching staff: 300.
Number of students: 3,800.
Library: 56,000 vols.

Faculties: Building, Mechanical Engineering, Electrical Engineering, Agricultural Mechanisation.

POLITECHNIKA SLASKA IM. W. PSTROWSKIEGO
(Silesia Technical University)

GLIWICE, UPPER SILESIA

Telephone: Gliwice 2349

Founded 1945

Rector: Prof. Dr. Ing. TADEUSZ LASKOWSKI.
Pro-Rectors: Prof. Ing. HENRYK RADWANSKI, Prof. Ing. FRYDERYK STAUB, Prof. Ing. KAZIMIERZ KUTARBA.

Number of teachers: 764.
Number of students: 7,482.
Library: 138,423 vols.

DEANS:

Faculty of Industrial Building Engineering: Doc. Dr. Ing. JOZEF LEDWON.
Faculty of Chemistry: Prof. Dr. Ing. JERZY SZUBA.
Faculty of Electrotechnology: Doc. Ing. MIECZYSIAW PLUCINSKI.
Faculty of Mining Engineering: Prof. Ing. ROMAN DYKACZ.
Faculty of Sanitary Engineering: Doc. Dr. Ing. JAN PALUCH.
Faculty of Mechanical Engineering: Doc. Dr. Ing. WLADYSLAW AUGUSTYN.
Faculty of Heat Engineering: Doc. Dr. Ing. JAN SZARGUT.

POLITECHNIKA SZCZECIŃSKA
(Technical University of Szczecin)

UL. PIASTOW 17, SZCZECIN

Founded 1946.

Rector: Prof. PIOTR ZAREMBA.
Pro-Rectors: Prof. STANISLAW BURSA, Prof. ARTUR METAL.

Teaching staff: 305, including 83 professors.
Number of students: 2,131.
Library: over 143,000 vols.

DEANS:

Faculty of Civil Engineering: Prof. RYSZARD BAGIŃSKI.
Faculty of Mechanical Engineering: Prof. STANISLAW SMOTRYCKI.
Faculty of Chemistry: Prof. JÓSEF KĘPIŃSKI.
Faculty of Electrical Engineering: Prof. JÓSEF RABIEJ.
Faculty of Road Transport Economics: Prof. EUFEMIUSZ TEREBUCHA.

POLITECHNIKA WARSZAWSKA
(Technical University of Warsaw)

PLAC JEDNOSCI ROBOTNICZEJ 1, WARSZAWA

Telez: KAT TG PA 10229

Founded 1898.

Rector: Prof. JERZY BUKOWSKI.
Librarian: Eng. STEFAN GNIAZDOWSKI.

Teaching staff: 370.
Number of students: 11,683.
Library: 376,000 vols.

Faculties: Architecture, Civil Engineering, Electrical Engineering, Chemistry, Goedetics, Cartography, Sanitary Engineering, Telecommunications, Aerodynamics, Mechanical Engineering, Mechanical Technology, Automobiles and Tractors.

Publications: *Zeszyty Naukowe, Budownictwo, Elektryka, Mechanika, Przegląd Prac naukowych i badawczych.*

POLITECHNIKA WROCŁAWSKA
(Wrocław Technical University)

WYBRZEZE WYSPIANSKIEGO 27, WROCŁAW 2

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Rector: Prof. ZYGMUNT SZPARKOWSKI.
Pro-Rectors: Prof. HENRYK KUCZYNSKI, Prof. ROMAN KURDZIEL.
Administrative Director: WERONIKA WYCICHOWSKA.
Librarian: Mgr. JOZEF TWERDOCHLEB.

Number of teachers: 623.
Number of students: 4,537.
Library: 130,000 vols.
Publication: *Zeszyty Naukowe Politechniki Wrocławskiej*

DEANS:

Faculty of Architecture: Prof. BOHDAN GUERQUIN.
Faculty of Chemistry: Prof. ZDZISLAW ZIOLKOWSKI.
Faculty of Civil Engineering: Prof. IGOR KISIEL.
Faculty of Communication Engineering: Prof. ZBIGNIEW ZYSZKOWSKI.
Faculty of Electrical Engineering: JAN KOZUCHOWSKI.
Faculty of Mechanical Engineering: Doc. MAREK ZAKRZEWSKI.
Faculty of Power Engineering: Prof. TEODOR WROBLEWSKI.
Faculty of Sanitary Engineering: Doc. TADEUSZ GABRYSZEWSKI.

PROFESSORS:

BOBROWNICKI, WLODZIMIERZ (Inorganic Technology).
BRZOZA, TADEUZA (Design of Living Houses).
BRONIEWSKI, TADEUSZ (History of Modern Architecture).
CHOWANIEC, WLADYSLAW (Metal Working).
CYBULSKI, ADAM (Structural Mechanics).
CZARNECKI, WLADYSLAW (Design of Towns and Settlements).
FRYDECKI, ANDRZEJ (Design of Social Utility Buildings).
GUERQUIN, BOHDAN (History of Polish Architecture).
JELLONEK, ANDRZEJ (Electronic Measurements).
KISIEL, IGOR (Foundations of Buildings).
KORDECKI, ANDRZEJ (Electrical Machinery).
KOZUCHOWSKI, JAN (Electric Power Systems).
KUCZYNSKI, HENRYK (Organic Chemistry).
KURDZIEL, ROMAN (General Electrical Engineering).
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PLAZEK, EDWIN (Organic Chemistry).
ROGA, BLAZEJ (Chemical Technology of Coal).
ROMER, WITOLD (Phototechnique).
ROTKIEWICZ, WILHELM (Radio Receivers Technique).
SASIADEK, MIECZYSLAW (Machine Measurements).
SKOWRONSKI, JERZY IGNACY (High Voltages).
SOBOLSKI, ROMAN (Cranes and Transportation Equipment).
SUSKI, MARIAN (Fundamentals of Telecommunication and Microwave Technique).
SZMIDT, BOLESLAW (Design of Industrial Buildings).
SZNIOLIS, ALEKSANDER (Water and Sewage Technology).
SZPARKOWSKI, ZYGMUNT (Telemechanics and Automatics).
TEISSEYRE, JERZY (Theory of Mechanisms and Machines).
TOMASIK, ZDZISLAW (Petroleum and Liquid Fuels Technology).
TROSKOLANSKI, ADAM (Mechanics of Liquids and Gases).
TRZEBIATOWSKI, WLODZIMIERZ (Inorganic Chemistry).
WISNIOWSKI, WIKTOR (Theory of Thermal Machines).
WROBLEWSKI, TEODOR (Steam Boilers).
ZIOLKOWSKI, ZDZISLAW (Chemical Engineering).
ZYSZKOWSKI, ZBIGNIEW (Cable Teletransmission).

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HIGHER INSTITUTES

Agriculture

Szkoła Głowna Gospodarstwa Wiejskiego (*Warsaw Agricultural University*): Warsaw; f. 1919; faculties of agriculture, zootechnics, horticulture, forestry, wood technology, land improvement, veterinary science, agricultural economics, food processing technology; Rector Prof. Antoni Kleszczycki; 164 staff, 3,223 students.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Cracow; faculties of agriculture, zootechnics, water amelioration and forestry; Rector Prof. Dr. Tadeusz Ruebenbauer; 17 professors, 18 docents, 1,336 students; libraries totalling 110,000 vols.; publs. *Scientific Bulletins, Extension Service Bulletin.*

Wyższa Szkoła Rolnicza (*College of Agriculture*): Lublin; faculties of veterinary science, agriculture, zootechnics; Rector Prof. Dr. Stefan Ziemnicki; 39 staff, 1,448 students; library of 87,500 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Olsztyn; f. 1950; faculties of agriculture, zootechnics, dairying, fisheries, geodetics; Rector Prof. Dr. Mieczysław Koter; 40 staff, 1,848 students; library of 82,597 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Poznań; f. 1951; faculties of horticulture, agriculture, zootechnics, silviculture, wood technology, food technology; Rector Prof. Dr. Władysław Węgorek; 84 staff, 2,200 students; library of 228,643 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Szczecin; faculties of agriculture and zootechnics; Rector Prof. Dr. Jozef Piszczek; 30 staff, 966 students; library of 29,800 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Wrocław, Norwida 29; f. 1951; faculties of agriculture, veterinary science, zootechnics, water melioration; Rector Prof. Dr. Alfred Senze; 69 staff, 1,650 students; library of 80,000 vols.; publs. *Zeszyty Naukowe Wyższej, Szkoły Rolniczej we Wrocławiu.*

Economics, Diplomacy, Law

Szkoła Główna Planowania i Statystyki (*Central School for Planning and Statistics*): Warsaw; f. 1906; faculties of finance and statistics, home trade, foreign trade, economics of production; Rector Prof. Dr. Kazimierz Romaniuk; 203 staff, 5,000 (internal and external) students.

Szkoła Główna Służby Zagranicznej (*Foreign Service College*): Warsaw, Wawelska 56; est. 1915; students and staff: 515; diplomatic and consular courses; Rector Prof. Dr. Tadeusz Cieślak.

Wyższa Szkoła Ekonomiczna (*Higher School of Economics*): Cracow, Rakowicka 27; f. 1925; faculty of production and commodities turnover with the subdivisions of studies in general economics, commerce, industry; 76,000 vols.; Rector Prof. Dr. Stefan Bolland; 28 staff, 2,300 students; publ. *Zeszyty Naukowe* (Scientific Sheets).

Wyższa Szkoła Ekonomiczna (*School of Economics*): Katowice, 1 Maja 50; f. 1946; faculties of industrial economics; Rector Prof. Dr. Joseph Szaflarski; 84 staff, 2,800 students; library of 85,000 vols.; publ. *Zeszyty Naukowe WSE* (quarterly).

Wyższa Szkoła Ekonomiczna (*School of Economics*): Łódź; f. 1945; faculty of industry and commerce; Rector Prof. Dr. Edward Rosset; 28 staff, 726 full-time students; 1,341 external students; library of 94,000 vols.; publ. *Quarterly Journal.*

Wyższa Szkoła Ekonomiczna (*School of Economics*): Poznań, Marchlewskiego 146; f. 1926: faculties of commerce and general economics; Rector Prof. Dr. Władysław Rusiński; 102 staff, of which 28 professors, 870 students; library of 110,000 vols.

Wyższa Szkoła Ekonomiczna (*School of Economics*): Sopot; f. 1946; faculties of maritime economics; Rector Prof. Dr. S. Matysik; 16 staff, 382 students; library of 55,056 vols.

Wyższa Szkoła Ekonomiczna (*School of Economics*): Wrocław; f. 1947; faculties: industrial engineering and economics; economics and organisation of enterprise; Rector Prof. Dr. Józef Fiema; 87 staff, 833 full-time students, 666 external and 320 post-graduate students; library of 133,000 vols.

Medicine

Akademia Medyczna (*Medical Academy*): Białystok; f. 1950; medical faculty; Rector Prof. Dr. Ludwik Komczyński; 35 staff, 1,603 students.

Akademia Medyczna (*Medical Academy*): Cracow; f. 1950; faculties of medicine and pharmacology; Rector Prof. Dr. Leon Tochowicz; 59 staff, 2,874 students.

Akademia Medyczna (*Medical Academy*): Gdańsk; f. 1945; faculties of medicine, stomatology and pharmacology; Rector Prof. Dr. Jakub Penson; 59 staff, 2,629 students.

Akademia Medyczna (*Medical Academy*): Łódź; f. 1950; faculties of medicine and pharmacology; there is a subfaculty of stomatology; Rector Prof. Dr. M. Stefanowski; 60 staff, 2,329 students.

Akademia Medyczna (*Medical Academy*): Lublin; f. 1950; Rector Prof. Dr. M. Stelmasiak, 47 staff, 1,924 students.

Akademia Medyczna (*Medical Academy*): Poznań; f. as University faculty 1920, as Academy 1950; faculties of medicine and pharmacy; Rector Prof. Dr. Olech Szczepski; library of 61,313 vols.; 678 staff, 2,415 students.

Akademia Medyczna (*Medical Academy*): Warsaw, Filtrowa 30; f. 1950; faculties of medicine and pharmacy; Rector Prof. Dr. B. Górnicki; Head of affiliated College of Stomatology Prof. J. Krzywicki.

Akademia Medyczna (*Medical High School*): Wroclaw, ul. Pasteura 1; f. 1950; faculties of medicine and pharmacy; Rector Prof. Dr. A. Kleczeński; 63 staff, 2,747 students.

Pomorska Akademia Medyczna (*Pomeranian Medical Academy*): Szczecin; f. 1948; medical faculties; 427 mems., 1,650 students; Rector Prof. Dr. A. Krechowiecki; publ. *Annals of the Pomeranian Medical Academy.*

Śląska Akademia Medyczna (*Silesian Medical Academy*): Zabrze-Rokitnica; f. 1948; medical faculties; Rector Prof. Dr. Witold Niepołomski; staff 43, students 2,045.

Pedagogy

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Cracow, ul. Straszewskiego 22; f. 1946; faculties of Philology and History, Geography and Biology, Mathematics and Physics; Rector Prof. Dr. Wincenty Danek; 216 teachers, 2,601 students.

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Gdansk-Wrzeszcz, Sobieskiego 18; f. 1946; faculties of Philology and History, Mathematics, Physics and Chemistry, Geography.

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Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Katowice, Szkolna 9; f. 1950; faculties of Philology and History, Mathematics, Physics and Chemistry.

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Opole, Oleska 48; f. 1951; faculties of Philology and History, Mathematics and Physics.

Technology and Engineering

Akademia Górniczo-Hutnicza (*Academy of Mining and Metallurgy*): Cracow, Mickiewicza 30; f. 1919; faculties of metallurgy, mining geology, mining, mining geodetics, mining and metallurgical mechanics and electrical engineering, foundry engineering, ceramics; Rector Prof. Dr. Ing. Tadeusz Kochmanski; teaching staff 709, including 112 professors; 3,655 students; publ. Scientific Bulletins.

Theology

Akademia Teologii Katolickiej (*Catholic Theological Academy*): Warsaw, Bielany, ul. Gwiaździsta 81; Rector Prof. Dr. Wincenty Kwiatkowski; Pro-Rector Ignacy Subera; Dean of Theology Prof. Dr. Walenty Urmanowicz, of Christian Philosophy Prof. Dr. Piotr Chojnacki, of Canon Law Prof. Dr. Marian Myrcha; 56 staff, 200 students; library of 43,703 vols.

Chrzescijanska Akademia Teologiczna (*Christian Theological Academy*): Warsaw, Chylice p. Skolimow, ul. Dluga 43; Rector Rev. Prof. Wiktor Niemczyk; 19 staff, 91 students; library of 16,300 vols.

SCHOOLS OF ART AND MUSIC

Akademia Sztuk Plastycznych (*Academy of Fine Arts*): Cracow; faculties of painting, sculpture, graphic art, interior decoration, scene painting, textile design, poster art, conservation of works of art, general studies.

Akademia Sztuk Pięknych (*Academy of Fine Arts*): Warsaw; f. 1908 as Warszawska Szkoła Sztuk Pieknych (Warsaw School of Fine Arts), renamed 1927; faculties of painting, sculpture, graphic art, interior design; special studies: scene painting, textile design, conservation of works of art, industrial design teaching.

Państwowa Wyższa Szkoła Teatralna i Filmowa im Leona Schillera (*School of Theatre and Cinematography*): Łódz, Targowa 61; f. 1948; faculties of film direction, camera work, acting, production and stage management, history and theory of the cinema; television.

Państwowa Wyższa Szkoła Muzyczna (*State School of Music*): Katowice; f. 1945; faculties of composition, theory, conducting, instrumentation, instrumental and vocal technique, music teaching, teacher training and choir conducting; teaching staff 57; students 247; library of 30,000 vols.

Państwowa Wyższa Szkoła Muzyczna (*State School of Music*): Warsaw; f. 1810; faculties of composition, theory, conducting, piano and organ, instrumentation, vocal technique, musical management (only faculty of its kind in Poland which prepares musicians for specialised radio and cinematograph work).

Państwowa Wyższa Szkoła Teatralna (*Theatre School*): Cracow; f. 1957; faculties of acting and stage craft; puppet theatre section.

Państwowa Wyższa Szkoła Teatralna (*State Theatre School*): Warsaw; f. 1946; faculties of acting and production; Rector Prof. Jan Kreczmar.

Wyższa Szkoła Muzyczna (*School of Music*): Cracow; f. 1945; raculties of: theory, conducting and composition; instrumentation; vocal technique; teacher training and choir conducting.

Wyższa Szkoła Muzyczna (*School of Music*): Łódz; f. 1945; faculties of composition, theory, conducting, instrumentation, instrumental and vocal technique, music teaching.

Wyższa Szkoła Muzyczna (*School of Music*): Poznań; f. 1920; faculties of composition, theory, conducting, instrumental technique, vocal technique, music teaching.

Wyższa Szkoła Muzyczna (*School of Music*): Sopot; f. 1945; faculties of composition, theory, conducting, instrumentation, vocal technique, music teaching.

Wyższa Szkoła Muzyczna (*School of Music*): Wrocław; f. 1945; faculties of composition, theory, conducting, instrumentation, vocal technique, music teaching.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Łódz; f. 1945; faculties of textile design, dress design; general studies.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Poznań; f. 1945; faculties of interior decoration, painting, sculpture and pottery.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Gdańsk; f. 1945; faculties of painting, architecture and sculpture.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Wrocław; faculties of ceramics and glass, interior decoration, general studies.

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ACADEMIES

Lisbon

Academia das Ciências de Lisboa (*Lisbon Academy of Sciences*): Rua da Academia das Ciências 19; f. 1779; effective members: Science 20, Letters 15; corresponding members: Portuguese (Science 5, Letters 10), Brazilian (Science 19, Letters 14), foreign (Science 40, Letters 9); publications: *Anuario Académico, Boletim, Portuguese Bibliographia, Memorias, Sciences et Lettres, Biblioteca de Altos Estudos*, etc.

President: Amorim Ferreira.
Secretary-General: Antonio Pereira Forjaz.
Vice-Secretary-General: Possidónio M. Laranjo Coelho.
Librarian: Costa-Sacadura.
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Library: *see* Libraries.

Members:

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Secretary: António A. Pereira de Sampaio Forjaz.

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Pereira de Sampayo Forjaz, Antonio A.
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Ferreira, Herculano Amorim (President)
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Câmara, Antonio (President)
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Santos, Reynaldo dos (President)
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Philology:
Ramos, Gustavo Cordeiro (President)
Gonçalves, Francisco Rebelo
Prado Coelho, Jacinto

Affiliation:

Instituto de Altos Estudos (*Institute of Higher Research*): f. 1931.

Academia Portuguesa da História (*Portuguese Academy of History*): Rua da Escola Politécnica 167, 1°; f. 1720 as Academia Real da História Portuguesa, extinct middle 18th century, re-established 1936 with present name; library of 13,050 vols.; 88 mems.; corresponding mems.: 27 Portuguese, 5 Brazilian, 19 other nationalities; publs. *Anais, Boletim, Documentos Medievais Portugueses, Subsídios para a História Portuguesa, Fontes Narrativas da História Portuguesa.*

Honorary Presidents: Almirante Américo Deus Rodrigues Tomás, Pres. of the Republic, and Prof. António de Oliveira Salazar, Pres. of the Council of Ministers.
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MELO DE MATOS, GASTÃO DE
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NEVES ALVES CAETANO, MARCELO JOSÉ DAS
OLIVEIRA, MIGUEL AUGUSTO DE
PAÇO, MANUEL AFONSO DO
PERES, DAMIÃO ANTÓNIO
PINA GUIMARÃES, LUÍS JOSÉ DE
PINTO DE AZEVEDO, RUI
ROBERTES RAU, VIRGÍNIA
RODRIGUES CAVALHEIRO, ANTONIO
SAMPAIO RIBEIRO, MARIO LUIS DE
SANTOS, REINALDO DOS
SILVA REGO, ANTÓNIO DA
TEIXEIRA DA MOTA, AVELINO

(Brazilian)
ALVES CORREIA FILHO, VERGÍLIO
CALMON MONIZ DE BITTENCOURT, PEDRO
LEITE CORDEIRO, JOSÉ PEDRO

Academia Nacional de Belas Artes (*National Academy of Fine Arts*): Largo da Biblioteca; f. 1932; library of 11,302 vols., including some 16th century works; 20 mems., 17 Portuguese corresponding; Pres. Dr. REYNALDO DOS SANTOS: Vice-Pres. RAUL LINO; Sec. ARMANDO DE LUCENA; Dep. Sec. Dr. FERNANDO DE PAMPLONA; publs. *Boletim, Inventário Artístico de Portugal, Belas Artes* (*Revista-Boletim*).

Coimbra

Associação Acadêmica de Coimbra: library of 4,125 vols., 5,000 mems.; Pres. CARLOS CANDAL; publ. *Via Latina.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

LISBON

Associação dos Arqueólogos Portugueses (*Assen. of Portuguese Archæologists*): Largo do Carmo; f. 1863; library of 8,750 vols.; 332 mems.; Pres. Prof. Dr. JOAQUIM FONTES; Sec.-Gen. and Librarian ANTÓNIO MACHADO DE FARIA; Treas. Lieut.-Col. MANUEL AFONSO DO PAÇO; publ. *Arqueologia e Historia* (annually) and *Boletim.*

Associação Portuguesa para o Progresso das Ciências: Praça do Príncipe Real 14; publ. *Actas dos Congressos Luso-Espanhóis* (10 vols.).

Centro de Documêntação Cientifica (*Centre of Scientific Documentation*): Campo dos Martires da Patria; f. 1937; national centre of scientific and technical information; 720 Portuguese and 1,888 foreign periodicals; microfilm service; Dir. Dr. A. MEDEIROS-GOUVÈA; publ. *Bibliografia Médica Portuguesa* (annually).

Centro de Estudos de Arte e Museologia (*Centre for Art and Museum Studies*): Museu de Arte Antiga, rua das Janelas Verdes; f. 1942; Dir. Dr. JOÃO COUTO.

Centro de Estudos de Electrónica (*Centre for Electronic Studies*): f. 1954; Dir. Prof. MANUEL JOSÉ DE ABREU FARO.

Centro de Estudos de Energia Nuclear (*Centre for Study of Nuclear Energy*): Av. Rovisco Pais, Instituto Superior Tecnico; f. 1954; Pres. Prof. HERCULANO DE CARVALHO; library with 5,783 vols.

Centro de Estudos de Estatística Económica (*Centre for the Study of Economic Statistics*): Av. Infante Santo 68, 1° C; f. 1954; Dir. Prof. ALVES MARTINS; publ. *Colectânea de Estudos.*

Centro de Estudos Filológicos (*Centre for Philological Research*): Av. 5 de Outubro, 297–1° E; f. 1932; library of 15,000 vols.; Pres. Dr. J. DO PRADO COELHO; publs. *Boletim de Filologia, Publicaçoes do C.E.F.* (new series).

Centro de Estudos Geográficos (*Centre for Geographical Studies*): Faculty of Letters, Cidade Universitária; f. 1943; library of 3,000 vols. and 3,500 different maps; Dir. Prof. Dr. ORLANDO RIBEIRO.

Centro de Estudos Gregorianos (*Centre for Gregorian Studies*). Campo dos Martires da Patria 96–2°; f. 1953; Dir. D: JÚLIA D'ALMENDRA; publ. *Canto Gregoriano.*

Deutsches Kulturinstitut (*German Cultural Institute*): Av. da Liberdade 222, Lisbon.

Direcção Geral de Minas e Serviços Geológicos (*Office of Mines and Geology*): Ministério da Economia, R. do Passadiço 28; f. 1917; Dir. Eng. LUIZ DE CASTRO E SOLLA; publs. *Boletim de Minas, Comunicações dos Serviços Geológicos, Estudos, Notas e Trabalhos* (quarterly).

Direcção Geral dos Serviços Florestais e Aquícolas (*Forestry Department*): Av. Duarte Pacheco 6; f. 1908; in succession to the Administração Geral das Matas do Reino since 1956; there are 3 Research Departments: (1) Experimental Station; (2) Biological Station; (3) Hydrobiological Station; library of 10,000 vols.; Dir.-Gen. FILIPE JORGE MENDES FRAZÃO; publs. *Publicações da Direcção Geral dos Serviços Florestais, Estudos e Informação.*

Estação Agronómica Nacional (*National Agronomical Research Station*): Sacavém; f. 1937; comprises Departments of Systematic Botany and Plant Sociology, Plant Breeding, Plant Physiology, Soils, Zoning, Phytopathology, Microbiology, Entomology, Pomology, Chemistry, Agricultural Statistics; library of 65,640 vols.; 100 research staff; Dir. Prof. DOMINGOS R. VICTORIA PIRES; Librarian QUITÉRIA PINTO DA SILVA; publs. *De Flora Lusitana Comentarii, Agronomia Lusitana, Index Seminum.*

Fundação Calouste Gulbenkian (*Calouste Gulbenkian Foundation*): Parque de Santa Gertrudes, Avenida de Berne; non-profit making organisation which awards grants in the fields of education, art, science and charity; Chair. Dr. JOSÉ DE AZEREDO PERDIGÃO.

Institut Français au Portugal (*French Inst.*): Rua de Santos O Velho 11; f. 1928; cultural centre of the French Government; number of vols.: General Library 17,500 (approx.); Dir. ROBERT BRECHON; publs. *Bulletin des Études Portugaises* (yearly), *Collection des Études Portugaises.*

Instituto "António Aurélio da Costa Ferreira" (*Inst. of Medical Pedagogics, Psychology and Psychiatry*): Travessa das Terras de Sant' Ana 15; f. 1941; 15 mems.; library of 5,500 vols.; Dir. Prof. VICTOR HUGO MORBIRA FONTES; publs. *A Criança Portuguesa* (annually), *Monografias* (irregularly).

Instituto Bacteriológico Câmara Pestana (*Bacteriological Inst.*): Rua do Instituto Bacteriológico; dependency of Faculty of Medicine, Lisbon Univ.; f. 1892; Chair of Bacteriology and Parasitology; research on infectious diseases in man and animals; production and control of sera and vaccines, treatment of rabies and diphtheria; library of 30,000 vols.; Dir. Prof. J. CÂNDIDO DE OLIVEIRA; publ. *Arquivos.*

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Instituto Britânico em Portugal (*British Institute*): Rua Luis Fernandes 3; f. 1938; library of 18,966 vols.; 3,297 mems. and 2,521 students; Dir. J. G. G. MUIR, O.B.E.; Librarian Dr. CARLOS A. G. ESTORNINHO, M.B.E.

Instituto de Alta Cultura (*Inst. of Higher Culture*): Praça do Príncipe Real 14, 1°; f. 1929 as Junta de Educação Nacional, name changed 1936; Pres. Prof. GUSTAVO CORDEIRO RAMOS; publs. works on science, letters and art.

Instituto de Biologia Maritima (*Marine Biological Institute*): Formerly **Estação de Biologia Maritima**; Cais do Sodré; f. 1919; name changed 1951; Dir. Dr. HERCULANO VILELA; publ. *Travaux de la Station de Biologie Maritime de Lisbonne*, 1919-1950, Nos. 1-53; *Notas e Estudos do Instituto de Biologia Maritima* (since 1951).

Instituto Hidrográfico (*Hydrographic Institute*): Ministério da Marinha; Dir. Cap. JOSÉ AUGUSTO PEREIRA PARREIRA; hydrographic surveys, nautical charts, sailing directions, tide tables, physical oceanography, magnetic compass adjustments.

Instituto de España en Lisboa (*Institute of Spain in Lisbon*): Actor Tasso 27; Dir. D. FRANCISCO POGIO MESSORANN.

Instituto de Investigação Cientifica "Bento da Rocha Cabral" (*Inst. of Scientific Research*): Calçada de Bento da Rocha Cabral 14; f. 1922; biochemical research, pathology, bacteriology, animal and plant histology, tissue culture and physiology; Dir. J. MIRABEAU CRUZ; publs. *Travaux de Laboratoire, Actualidades Biológicas, Relatórios.*

Instituto de Medicina Legal (*Inst. of Forensic Medicine*): Rua Manuel Bento de Sousa 3; f. 1899; library of 12,000 vols.; Dir. Prof. Dr. M. ARSÉNIO NUNES; publ. *Archivo de Medicina Legal.*

Instituto de Oftalmologia "Dr. Gama Pinto" (*Ophthalmic Inst.*): Travessa Larga 2; f. 1891; Dir. Prof. LOPES DE ANDRADE.

Instituto de Orientação Profissional "Maria Luisa Barbosa de Carvalho" (*Inst. for Vocational Guidance*): Largo Trindade Coelho 21; f. 1925; affiliation of Lisbon University; library of 1,130 vols.; Dir. Prof. F. DA COSTA-CABRAL, M.D.; Principal Officials: ANA GONZALEZ, M.D., G. VITERBO, M.D., CAMARA PIRES, M.D., V. MAGALHÃES, M.D., C. SILVA, M.D.; publ. *Boletim* (periodical).

Instituto Geofisico do Infante D. Luis (*Geophysical Inst. of Lisbon Univ.*): Rua da Escola Politécnica; f. 1854; library of 12,000 vols.; Dir. Prof. Dr. H. AMORIM FERREIRA; publs. *Anais* (annually), *Bulletin Séismique de la Station de Lisbonne* (bi-monthly).

Instituto Nacional de Estatistica (*National Statistical Inst.*): Presidência do Conselho, Av. Dr. A. J. de Almeida; f. 1935; library of 61,083 vols.; Acting Dir. Dr. AMARO DUARTE GUERREIRO; Sec. Dr. TEXEIRA DA SILVA; publs. numerous statistical works, including *Anuário Demográfico, Anuário Estatístico, Anuário Estatístico do Ultramar, Boletim Mensal, Comércio Externo* (twice yearly), *Estado das Culturas* (monthly), *Estatística Agrícola, Estatística Industrial, Estatísticas Financeiras* (annually), *Estatística de Educação* (bi-annually), etc.

Instituto Português de Arqueologia, História e Etnografia (*Portuguese Archæological, Historical and Ethnographical Inst.*): Edificio dos Jerónimos, Praça do Imperio; Pres. Prof. Dr. MANUEL HELENO; publ. *Ethnos.*

Instituto Português de Oncologia (*Portuguese Oncological Inst.*): Estrada de Bemfica-Palhavã; f. 1923; Sections: clinical surgery, physiology, pathological anatomy, physical chemistry, physics, radiology, cobalt therapy, bacteriology, and radio-isotopes; School of Nursing; Dir. Prof. FRANCISCO GENTIL; publs. *Arquivo de Patologia, Boletim, Clínica Contemporânea.*

Istituto Italiano di Cultura (*Italian Cultural Institute*): rua do Salitre, 146; Dir. Prof. GUIDO BURGADA.

Jardim e Museu Agrícola do Ultramar (*Botanical Gardens and Agricultural Museum of the Overseas Territories*): Calçada do Galvão, Belém; f. 1906; library of 4,014 vols.; herbarium with 41,600 specimens; Dir. Eng. Agr. JOSÉ DIOGO SAMPAYO DE ALBUQUERQUE D'OREY; publs. *Index Seminum* and studies on plants and products of the Overseas Territories.

Junta das Missões Geográficas e de Investigações do Ultramar—JIU (*Geographical Missions and Overseas Provinces Research Council* or *Overseas Research Council*): Praça Príncipe Real 20, Lisbon 2; f. 1936; Pres. Eng. CARLOS KRUS ABECASIS; Vice-Pres. Dr. RAIMUNDO BRÍTES MOITA; Sec. Dr. JOSE J. FERRAZ; publs. *Anais da Junta de Investigações do Ultramar*, different series of *Memórias, Estudos, Ensaios e Documentos, Garcia da Orta*, and geographical and hydrographical maps and plans of the overseas provinces.

DEPARTMENTS:

Agrupamento Científico anexo ao Laboratório Nacional de Engenharia Civil—ACLNEC (*Scientific Group Attached to the Civil Engineering National Laboratory*): Avenida do Brasil, Lisbon 5; f. 1957.

Agrupamento Científico de Estudos de Geologia—ACEG (*Geological Research Group*): Rua da Escola Politécnica, Lisbon 2; f. 1950.

Agrupamento Científico de Estudos Ultramarinos—ACEU (*Overseas Scientific Research Group*): Faculdade de Ciências da Universidade de Coimbra; f. 1953.

Agrupamento Científico de Farmacognósia para o Estudo das Plantas Medicinais do Ultramar—ACFPM (*Pharmacognostics Research Group for the Study of Overseas Medicinal Plants*): Faculdade de Farmácia, Porto; f. 1956.

Agrupamento Científico de Preparação de Geógrafos para o Ultramar Português—ACPG (*Scientific Group for Geographers' Preparation to Portuguese Overseas*): Instituto de Geógrafia, Cidade Universitária, Lisbon 4; f. 1958.

Agrupamento de Estudos de Cartografia Antiga—AECA (*Ancient Cartography Research Group*): Lisbon Section: P. Príncipe Real 21, Lisbon 2; Coimbra Section: Faculdade de Letras de Coimbra; f. 1961.

Agrupamento de Estudos Ultramarinos Anexo à Faculdade de Ciências da Universidade do Porto—AEU-UP (*Overseas Research Group attached to the University of Porto, Faculty of Sciences*): Faculdade de Ciências, Porto; f. 1961.

Brigada de Estudos da Defesa Fitossantvária dos Produtos Ultramarinos—BEDFPU (*Phytosanitary Study Group of Overseas Stored Products*): Largo de Santos 3 3°, Lisbon 2; f. 1955.

Brigada de Geologia à S. Tomé—BGST (*S. Tomé Geological Mission*): Universidade de Coimbra; f. 1954.

Centro de Biologia Piscatória—CBP (*Biological Centre for Fisheries*): Rua Dr. António Cândido 9, Lisbon 1; f. 1959.

Centro de Botânica—CB (*Botanical Centre*): Rua de Pedrouços 77, Lisbon 3; f. 1948.

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Centro de Documentação Científica Ultramarina—CDCU (*Overseas Scientific Documentation Centre*): P. Príncipe Real 21, Lisbon 2; f. 1957; library of 10,000 books and scientific reports, 2,000 periodicals.

Centro de Estudos de Antropobiologia—CEA (*Research Centre for Anthropobiology*): Avenida de Oscar Monteiro Torres 34, 1° E. Lisbon 1; f. 1954.

Centro de Estudos de Antropologia Cultural—CEAC (*Cultural Anthropology Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1962.

Centro de Estudos de Cabo Verde—CECV (*Cabo Verde Research Centre*): Cidade da Praia, Cabo Verde; f. 1961.

Centro de Estudos do Desenvolvimento Comunitário—CEDC (*Community Development Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1960.

Centro de Estudos Históricos Ultramarinos—CEHU (*Overseas History Research Centre*): Calçada da Boa Hora 30, Lisbon 3; f. 1955.

Centro de Estudos Missionários—CEM (*Missionary Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1959.

Centro de Estudos de Pedologia Tropical—CEPT (*Tropical Pedology Research Centre*): Tapada da Ajuda, Lisbon 3; f. 1960.

Centro de Estudos Políticos e Sociais—CEPS (*Political and Social Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1956.

Centro de Geografia do Ultramar—OGU (*Overseas Geography Centre*): Rua da Junqueira 59, Lisbon 3; f. 1946.

Centro de Investigação das Ferrugens do Cafeeiro—CIFC (*Coffee Rust Research Centre*): Estação Agronómica Nacional, Oeiras; f. 1955.

Centro de Zoologia—CZ (*Zoological Centre*): Rua da Junqueira 14, Lisbon 3; f. 1948.

Instituto de Investigação Científica de Angola—IICA (*see* Angola).

Instituto de Investigação Científica de Moçambique—IICM (*see* Mozambique).

Laboratório de Estudos Petrológicos e Paleontológicos de Ultramar—LEPPU (*Overseas Petrological and Paleontological Research Laboratory*): Travessa da Fábrica dos Pentes 21, 3° E. Lisbon 1; f. 1958.

Laboratório de Estudos Radioisótopos—LER (*Radioisotopes Research Laboratory*): Rua da Junqueira 96, Lisbon 3; f. 1956.

Laboratório de Histologia e Tecnologia de Madeiras—LHTM (*Laboratory for Wood Anatomy and Technology*): Calçada do Galvão, Lisbon 3; f. 1948.

Laboratório de Técnicas Físico-Químicas Aplicadas à Mineralogia e Petrologia—LTFQMP (*Laboratory of Physical and Chemical Technics applied to Mineralogy and Petrology*): Travessa da Fábrica dos Pentes 21, 2° E. Lisbon 1; f. 1957.

Missão de Biologia Marítima—MBM (*Maritime Biological Mission*): Rua Dr. António Candido 9, Lisbon 1; f. 1953.

Missão Botânica de Angola e Moçambique—MBAM (*Botanical Mission for Angola and Mozambique*): Rua de Pedrouços 77, Lisbon 3; f. 1953.

Missão de Estudos Agronómicos do Ultramar—MEAU (*Portuguese Overseas Organisation for Agricultural Research*): Rua Rodrigo da Fonseca 103, 4° Lisbon 1; f. 1960.

Missão de Estudos Apícolas do Ultramar Português—MEAUP (*Mission for Beekeeping Studies*): Rua da Junqueira 11, Lisbon 3; f. 1957.

Missão de Estudos Economicos do Ultramar—MEEU (*Overseas Economic Research Mission*): Rua Francisco Lapa 38, 2° Lisbon 1; f. 1962.

Missão de Estudos do Habitat Nativo da Guiné—MEHNG (*Native Habitat Research Mission in Portuguese Guinea*): Alameda D. Afonso Henriques 41, 4° D. Lisbon 1; f. 1958.

Missão de Estudo do Rendimento Nacional do Ultramar—MERNU (*Overseas National Income Research Mission*): Rua da Junqueira 86, Lisbon 3; f. 1960.

Missao de Geográfia Física e Humana do Ultramar—MGFHU (*Overseas Human and Physical Geography Mission*): Faculdade de Letras, Lisbon 4; f. 1960.

Missão Geográfica de Angola—MGA (*Angola Geographical Mission*): *see* Angola.

Missão Geográfica de Moçambique—MGM (*Mozambique Geographical Mission*): Praça João do Rio 2, 5° E. Lisbon 1; f. 1932.

Missão Geográfica de Timor—MGT (*Timor Geographical Mission*): Rua da Junqueira 59, Lisbon 3; f. 1937.

Missão de Pedologia de Angola—MPA (*Angola Pedological Mission*): Instituto Superior de Agronomia, Calçada da Tapada, Lisbon 3; f. 1953.

Missão Zoológica de Moçambique—MZM (*Mozambique Zoological Mission*): Rua da Junqueira 14, Lisbon 3; f. 1953.

Nucleo do Estudo de Farmacologia das Plantas Medicinais do Ultramar—NEFPMU (*Pharmacology Research Group for the Study of Overseas Medicinal Plants*): f. 1960.

Junta de Energia Nuclear (*Committee for Nuclear Energy*): R. de S. Pedro de Alcántara; f. 1954; Pres. Eng. José Frederico Ulrich; library of 9,500 vols.

Laboratório de Isotopos Abilio Lopes do Rego, do Instituto Português de Oncologia (*Abilio Lopes do Rego Laboratory of Isotopes of the Portuguese Institute of Oncology*): f. 1953; Dir. Prof. Antonio Manuel Baptista.

Laboratório e Museu Zoológico e Antropológico (*Museu Bocage*) (*Zoological and Anthropological Laboratory and Museum*): Faculty of Sciences, University of Lisbon; Dir. Prof. J. A. Serra; publ. *Revista Portuguesa de Zoologia.*

Museu e Laboratório Mineralógico e Geológico (*Museum and Laboratory of Mineralogy and Geology*): Faculdade de Ciências, Rua da Escola Politécnica; f. 1837; Dir. Dr. Carlos Fernando Tôrre de Assunção; Curators Dr. José António Neves Brak-Lamy and Dr. Francisco Alvaro Gonçalves; publ. *Boletim.*

Museu, Laboratório e Jardim Botânico (*Museum, Laboratory and Botanical Gardens*): Instituto Botânico da Faculdade de Ciências da Universidade de Lisboa; f. 1874; there are three Departments: (1) Physiology and Genetics (study of growth hormones, their role in the morphogenesis (roots, flowering, tumours)); chromosomic structure; normal and pathological mitosis; (2) Systematic and Phytogeography (lichens, hepaticæ, phanerogamy; inventory problems and phytogeography); (3) Microbiology (Antibiosis; mycosis of timbers and human mycosis); library of 14,000 vols. (access daily from 9 a.m. to 7 p.m.); Dir. Prof. Flavio Resende; Curator G. Sobrinho; publs. *Portugaliae Acta Biologica Série A and B, Delectus Sporarum et Seminum, Revista de Biologia.*

Observatório Astronómico da Faculdade de Ciências de Lisboa (*Astronomical Observatory of Faculty of Sciences*): Cidade Universitaria; f. 1875 by Escola Politécnica; Repsold meridian, etc.; Dir. Prof. Dr. Antonio Gião.

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Observatório Astronómico de Lisboa (*Lisbon Astronomical Observatory*): Tapada; f. 1861; Dir. A. PERESTRELLO BOTELHEIRO; publs. *Boletim, Dados Astronómicos*, etc.

Ordem dos Engenheiros (*Association of Engineers*): Av. de Antonio Augusto de Aguiar 3-D; f. 1936; Vice-Pres. Eng. ALBANO DO CARMO RODRÍGUEZ SARME; Sec. Eng. FERNANDO PESSOA; publ. *Boletim* (monthly).

Ordem dos Médicos (*Medical Assen.*): Avenida da Liberdade 65, 1°; f. 1938; 7,705 mems.; Pres. Prof. JOAO JOSÉ LOBATO GUIMARÃES; publ. *Boletim da Ordem dos Medicos* (montlhy).

Serviços Geológicos de Portugal (*Portuguese Geological Office*): Rua da Academia das Ciências 19; f. 1857; Library of 30,689 vols.; Dir. FERNANDO MOITINHO D'ALMEIDA; Geologists GEORGES ZBYSZEWSKI, JACINTO CORREIA PERDIGÃO, AMILCAR F. FERNANDES BOTELHO COELHO, OCTAVIO DA VEIGA FERREIRA, ANTÓNIO NUNO DE BARROS E CARVALHOSA, JOSÉ CAMARATE FRANCA, CARLOS RIBEIRA FERREIRA; publs. *Comunicações, Memórias, Notícias*, geological maps.

Serviço Meteorológico Nacional (*National Meteorological Service*): Rua Saraiva de Carvalho; f. 1946; Dir. Prof. Dr. H. AMORIM FERREIRA; publs. include daily, weekly, quarterly and yearly meteorological and geophysical bulletins.

Sociedade de Geográfia de Lisboa (*Lisbon Geographical Soc.*): Rua das Portas de Santo Antão 100; f. 1875; library of 100,000 vols., 6,000 maps; 2,200 mems.; Pres. Prof. Dr. RUY ENNES ULRICH; Secs.-Gen. Prof. Dr. ANTÓNIO DE ALMEIDA, Dr. JÚLIO GONÇALVES; publs. *Relatório, Boletim* (scientific and literary monthly), pamphlets on conditions and prospects in the Overseas Provinces, various works; museum.

Sociedade Farmacêutica Lusitana (*Portuguese Pharmaceutical Soc.*): Rua Sociedade Farmacêutica 18; f. 1835; 2,273 mems.; library of 4,200 vols. on botany, medicine, natural history, etc.; famous collection of Portuguese pharmacopæias; unique MS. *Historia Pharmaceutica das Plantas Exóticas* by Frei João de Jesus Maria, with permit to print from the Holy Office; Pres. Dr. JOSÉ LUIS DE OLIVEIRA PERÚ; publs. *Revista Portuguesa de Farmacia*; affiliated to Fédération Internationale Pharmaceutique; mem. of Associação Portuguesa para o Progresso das Ciências.

Sociedade Geológica de Portugal (*Geological Soc.*): Faculty of Science, Lisbon Univ.; f. 1940; Pres. Prof. JOÃO CARRINGTON DA COSTA; Sec. Prof. CARLOS TEIXEIRA (Faculty of Science, Lisbon); publ. *Boletim*.

Sociedade Nacional de Belas Artes (*Nat. Soc. of Fine Arts*): Palacio das Belas Artes, Rua Barata Salgueiro 36; f. 1901; 500 mems., 400 associates, 100 corresponding; Pres. FRANCISCO CONCEIÇÃO SILVA; Sec. Arq. NUÑO DE SAN-PAYO.

Sociedade Portuguesa de Ciências Naturais (*Portuguese Natural Science Soc.*): Faculdade de Ciências, Rua da Escola Politécnica; f. 1907; 476 mems., 9 hon., 7 corresponding; library; Pres. C. TEXEIRA; Sec. J. M. ROSADO; publs. *Boletim, Naturalia, Portugalia Acta Biologica*.

Sociedade Portuguesa de Ciências Veterinárias (*Portuguese Society of Veterinary Science*): Rua de D. Dinis 2-A, r/c, Lisboa-2; f. 1902; 703 mems.; Pres. Prof. Dr. JAIME FREITAS DE SOUSA; Gen. Sec. Dr. MANUEL BOAVIDA; publ. *Revista de Ciências Veterinárias* (quarterly).

Sociedade Portuguesa de Escritores (*Portuguese Writers' Association*): rua da Escola Politécnica, 20-1° E.; f. 1956; 623 mems.; Pres. FERREIRA DE CASTRO; Sec. MANUEL FERREIRA.

U.S. Information Center: Avda. Duque de Loule, 39-A.

AGUAS DE MOURA

Instituto de Malariologia (*Malaria Inst.*): f. 1938; library of 1,000 vols.; Dir. F. J. C. CAMBOURNAC.

COIMBRA

Goethe Institut: Casa Alema, Rua Alexandre Herculano 21B; Dir. Dr. HELMUT HELLING.

Instituto Botânico "Dr. Julio Henriques" (*Botanical Inst.*): Coimbra Univ.; f. 1772; library of 62 000 vols.; Dir Prof. ABÍLIO FERNANDES; publs. *Index Seminum. Boletim, Memórias* and *Anuário* of Sociedade Broteriana.

Instituto Britanico: Rua Alexandre Herculano 34; Dir. I. E. JAGO.

Instituto de Antropologia (*Anthropological Inst.*): Bairro Sousa Pinto; f. 1885; library of 13,500 vols.; Dir. Prof. Dr. A. XAVIER DA CUNHA; publ. *Contribuições para o Estudo da Antropologia Portuguesa, Questões de Método.*

Instituto de Coimbra (*Coimbra Inst.*): Rua da Ilha; f. 1851; 150 mems., 13 hon., 156 correspondents in Portugal, 280 foreign corresponding; library of 20,000 vols.; Pres. Prof. GUNERENID COSTA LOBO; Sec. Prof. F. REBELO GONÇALVES; publ. *O Instituto* (scientific and literary).

Instituto de Estudos Históricos "Dr. Antonio de Vasconcelos" (*Inst. of Historical Studies*): Coimbra Univ.; publ. *Revista Portuguesa de Historia*.

Instituto Geofisico da Universidade de Coimbra (*Coimbra Geophysical Inst.*): The University; f. 1864; library of 16,600 vols.; meteorological, magnetic and seismological observatory; Dir. Prof. F. PINTO COELHO; publs. *Observações Meteorológicas, Magnéticas e Sismológicas* (annually).

Observatório Astronómico da Universidade de Coimbra (*Coimbra Univ. Astronomical Observatory*): Santa Clara; f. 1772; library of 11,000 vols.; Dir. Prof. MANUEL DOS REIS; publs. *Anais do Observatório, Efemérides Astronómicas, Publicações.*

Sociedade Broteriana (*Botanical Soc.*): Instituto Botânico; Coimbra Univ.; f. 1880; 264 mems.; Chair. Prof. ABÍLIO FERNANDES; publs. *Anuário, Boletim, Memórias.*

GUIMARÃES

Sociedade de Martins Sarmento (*Martins Sarmento Soc.*): Rua de Paio Galvão; f. 1882; library of 40,000 vols.; first edition (1572) *Os Lusiadas* by Camões; has absorbed the Municipal Library; 425 mems.; Dir. MARIO CARDOZO; Librarian Dr. AUGUSTO CUNHA; publ. *Revista de Guimarães.*

GUIA-CASCAIS

Laboratorio Maritimo da Guia-Cascais (*Marine Laboratory of Guia-Cascais*); attached to the Faculty of Science, Lisbon University; Dir. Prof. J. A. SERRA.

OPORTO

Instituto de Antropologia "Dr. Mendes Corrêa" (*Anthropological Institute*): Oporto Univ.; f. 1923; Dir. Dr. JOAQUIM RODRIGUES DOS SANTOS-JÚNIOR; library of 6,150 vols.

Instituto de Botânica "Dr. Gonçalo Sampaio" (*Botanical Institute "Dr. Gonçalo Sampaio"*): Oporto Univ., Rua do Campo Alegre, No. 1191; f. 1920; Prof. ARNALDO DEODATO DA FONSECA ROZEIRA; library of 6,000 vols.

Instituto de Climatologia e Hidrologia da Universidade do Pôrto (*Climatological and Hydrological Inst.*): Oporto Univ.; f. 1930; Pres. Dr. AMÂNDIO JOAQUIM TAVARES; Sec. Dr. ANTÓNIO MENDONÇA MONTEIRO; publ. *Boletim.*

Instituto de Zoologia e Estação de Zoologia Marítima "Dr. Augusto Nobre" (*Zoological Inst. and Maritime Zoology*):

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f. 1921; library of 10,636 vols.; Dir. Prof. A. MATEUS; publs. numerous scientific works, *Publicações do Instituto de Zool. "Dr. Augusto Nobre"*. (*See also* Museu de Historia Natural, Oporto.)

Instituto Geofisico da Universidade do Porto (Observatório da Serra do Pilar) (*Geophysical Inst. and Meteorological Observatory*): V. N. de Gaia; Faculty of Science, Oporto University; f. 1885; Dir. Prof. CARLOS DE AZEVEDO COUTINHO BRAGA; publs. *Boletins Mensais, Resumo Anual, Observaçoes do Campo Eléctrico da Atmosfera, Anais Actinométricos, Observações Fenológicas na Serra do Pilar, Boletim Sísmico.*

Serviço de Fomento Mineiro: Rua da Ameira, S. Mamede de Infesta; f. 1939; Dir. Eng. NORBERTO AFONSO MÚRIAS DE QUEIRÓS; publs. *Bibliografia Mineira de Portugal, Estudos, Notas e Trabalhos, Relatórios.*

Sociedade Anatómica Luso-Hispano-Americana (*Portuguese-Spanish-Latin American Anatomical Society*): Instituto de Anatómia, Faculdade de Medicina de Lisboa; f. 1935; Pres. Prof. Dr. HERNÂNI MONTEIRO (Oporto); publ. *Arquivo de Anatómia e Antropologia.*

Sociedade Portuguesa de Antropologia e Etnologia (*Portuguese Anthropological and Ethnological Soc.*): Faculty of Science, The University of Oporto; f. 1918; Pres. Prof. JOAQUIM RODRIGUES DOS SANTOS-JÚNIOR; publ. *Trabalhos* (19 vols.).

Sociedade Portuguesa de Química e Física (*Portuguese Chemical and Physical Society*): Laboratório "Ferreira da Silva", Faculdade de Ciências, Universidade do Porto; publ. *Revista de Química Pura e Aplicada.*

VIANA DO CASTELO

Instituto Histórico do Minho (*Minho Historical Inst.*): Rua da Bandeira 110; f. 1916; Dir. JÚLIO DE LEMOS.

VILA DO CONDE

Estação Aqüicola (*Water Research Station*): f. 1886; Dir. JOAQUIM ANTONIO SOARES SOEIRO.

THE AZORES: ANGRA DO HEROISMO—TERCEIRA

Instituto Açoriano de Cultura (*Azorean Institute of Culture*): Seminario Episcopal; f. 1955; Pres. Mons. J. MACHADO LOURENÇO; Sec. Rev. Dr. José ENES; publ. *Atlantida* (bi-monthly).

Instituto Histórico da Ilha Terceira (*Terceira Historical Inst.*): f. 1942; 20 mems.; Pres. Col. J. AGOSTINHO, O.B.E.; Sec. Dr. BAPTISTA DE LIMA; publ. *Boletim do Instituto Historico* (yearly).

Sociedade de Estudos Açoreanos "Afonso Chaves" (*Soc. for Research on the Azores*): Caixa Postal 17; f. 1932; 20 Fellows, 100 mems.; main interests of the Society are ethnography, natural history and geology; Pres. Col. J. AGOSTINHO, O.B.E.; Sec. Dr. A. CORTES-RODRIGUES; publ. *Açoreana* (annually).

LIBRARIES AND ARCHIVES

LISBON

Arquivo Nacional da Torre do Tombo (*National Archives of Torre do Tombo*): Largo de S. Bento; f. 1352-1388; collection dates from ninth century; Dir. (Vacant); publs. *Inventários das Portarias do Reino e das Moradias da Casa Real.*

Arquivo Histórico Militar (*Military Historical Archives*): Largo dos Caminhos de Ferro; f. 1921; Dir. Coronel DO C. E. M. JOÃO CARLOS DE SÁ NOGUEIRA; publ. *Boletim*; associated with:

Comissão de Historia Militar (*Military History Comm.*): Largo dos Caminhos de Ferro; f. 1923; 12 mems.. Pres. Gen. HENRIQUE PEREIRA DO VALLE; publs. biographical and historical works.

Arquivo Histórico Ultramarino (*Historical Archives of the Portuguese Overseas Provinces*): Palacio da Ega, Calçada da Boa-Hora 30 (a Junqueira); f. 1931; 15,000 vols. and pamphlets; *Biblical Concordance* printed by Christopher Plantini, Antwerp, 1585; Dir. JOAQUIM ALBERTO IRIA JUNIOR.

Arquivo Histórico do Ministério das Finanças (*Historical Archives of Min. of Finance*): Rua de Santa Marta 61.

Arquivo do Ministério dos Negócios Estrangeiros (*Archives of Ministry of Foreign Affairs*): Palácio das Necessidades; f. 1736; 20,000 vols.; Dir. ALVARO FERRAND DE ALMEIDA FERNANDES.

Biblioteca Central de Marinha (*Navy Library*): Rua do Arsenal, porta H.; f. 1835; numbers of valuable editions; 30,000 vols.; Dir. Comodoro ALFREDO MOTTA.

Biblioteca Nacional (*Nat. Library*): f. 1796; 404,473 vols., 15,217 MSS.; Dir. AUGUSTO BOTELHO DA COSTA VEIGA.

Biblioteca da Academia das Ciências de Lisboa (*Library of the Acad. of Science*): f. 1779; 200,000 vols., 3,000 MSS., 63 incunabula; Librarian SEBASTIÃO C. COSTA-SACADURA.

Biblioteca da Ajuda (*Ajuda Library*): Palacio da Ajuda; f. 1756; 100,000 vols., 30,000 MSS., 5,000 Music MSS., 213 incunabula; Dir. Dr. MARIANA AMÉLIA MACHADO SANTOS.

Biblioteca do Cartório Ultramarino (*Library of the Colonial Office*).

Biblioteca do Exército (*Army Library*): formerly Library of the Army General Staff; Rua do Museu de Artilharia, Calçada do Combro; f. 1837; Dir. Col. FRANCISCO JOSÉ HENRIQUES CORTES.

Biblioteca e Arquivo da Assembleia Nacional (*Library of the National Assembly*): f. 1836; 37,000 vols.; Dir. COSTA BROCHADA; publs. *Diário das Sessões, Anais da Assembléa Nacional, Sinopse da Assembléa Nacional.*

Biblioteca e Arquivo Histórico do Ministerio das Obras Publicas (*Library and Historical Archives of the Ministry of Public Works*): f. 1852; 7,000 vols., documents dating from the 16th century; 200,000 textual documents on industry, agriculture, forestry, trade, public works, etc.; Dir. Dr. MARIO ALBERTO NUNES COSTA.

Biblioteca Municipal Central (*Central Town Library*): Palacio Galveias, ao Campo Pequeno; f. 1931; 100,730 vols.; Dir. JAIME LOPES DIAS.

Biblioteca, Museu e Arquivo dos Hospitais Civis de Lisboa (*Library, Museum and Archives of Lisbon Civic Hospitals*): Rua José António Serrano; f. 1937; 11,000 vols.; 373 periodicals; Dir. Dr. José TEÓFILO FARTO LEONE, publ. *Boletim Clínico dos Hospitais Civis de Lisboa.*

Biblioteca Popular de Lisboa: Rua Ivens 35, and Rua de Academia das Ciências 19; f. 1918; 97,774 vols., 835 periodicals; Librarian DURVAL PIRES DE LIMA;

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Principal Officers Carlos Alberto de Mesquita, Maria Teresa Pires de Lima, José Paulo Ribeiro.

BRAGA

Biblioteca Pública e Arquivo Distrital de Braga (*Public Library and District Archives*): f. 1841; 210,000 vols.; 1,120 MSS.; Dir. Antonio Gomes da Rocha Madahil.

BRAGANÇA

Arquivo Distrital, Biblioteca e Museu Regional Abade de Baçal (*District Archives, Library and Museum of Baçal Abbey*).

COIMBRA

Arquivo e Museu de Arte da Universidade de Coimbra (*Archives and Art Museum of Coimbra Univ.*): The University; f. Archives 1290, Museum 1911; religious paintings; Dir. Dr. Mário Brandão.

Biblioteca Municipal (*Municipal Library*): f. 1922; 84,101 vols.; Dir. Pinto Loureiro; Librarian J. Branquinho de Carvalho; publ. *Arquivo Coimbrão*.

ÉVORA

Biblioteca Pública e Arquivo Distrital de Évora (*Public Library and District Archives*): f. 1811; 564,599 vols.; Dir. Armando Nobre de Gusmão.

GUIMARÃES

Biblioteca da Sociedade Martins Sarmento (*see* Sociedade Martins Sarmento).

LEIRIA

Biblioteca Erudita e Arquivo Distrital (*Public Library and District Archives*): Largo da Caixa Geral de Depósitos; f. 1916; library 35,000 vols.; archives approx. 15,000; Dir. Agostinho Tinoco.

MADEIRA

Arquivo Distrital do Funchal (*Funchal District Archives*): Palácio de São Pedro, Rua da Mouraria; f. 1931; 300,000 MSS.; specialised history library of 7,000 vols.; Dir. Dr. José Pereira da Costa; publ. *Arquivo Histórico da Madeira*.

Biblioteca Municipal (*Municipal Library*): Palácio de São Pedro, Rua da Mouraria; f. 1838; 31,978 vols.

MAFRA

Biblioteca do Palácio Nacional de Mafra (*Mafra Nat. Palace Library*): Terreiro de D. João V.; f. 18th century; 36,000 vols.; notable collection of rare books; Dir. Guilherme José Ferreira de Assunção.

OPORTO

Arquivo Distrital do Porto (*District Archives*): Praça da República 38; f. 1931; 90,000 vols.; Dir. Artur de Magalhães Basto.

Bilbioteca Pública Municipal do Porto (*Municipal Library*). f. 1833; 716,344 vols.. 2,037 MSS., 270 incunabula; Dir. Dr. António Cruz; Librarain Dr. Antonio Magalhães; publ. *Biblioteca Portucalensis*.

SANTAREM

Biblioteca Municipal Camões (*Camões Municipal Library*): f. 1880; 33,280 vols., 5,500 pamphlets; Librarian Maria Alzira Proença Simoês.

VILA VIÇOSA

Biblioteca-Museu da Casa de Bragança (*Library and Museum of House of Braganza*).

VILA REAL

Biblioteca Pública (*Public Library*): f. 1834; 11,000 vols. Dir. Agostinho Celestino da Silva.

VIZEU

Arquivo Distrital (*District Archives*): Adro da Sé; f. 1955; 136,519 documents; Dir. Dr. Alberto Alves dos Santos Pacheco.

THE AZORES

Biblioteca Municipal da Horta (*Town Library*): Rua D. Pedro IV 26; f. 1886; 10,000 vols.; Librarian José R. Morais Guerra.

Biblioteca Pública de Ponta Delgada (*Public Library*): f. 1845; 125,000 vols.; Dir. João de Suñas.

Biblioteca Pública e Arquivo Distrital de Angra do Heroismo (*Public Library and District Archives*): Palácio Bettencourt, Rua Conselheiro Jacinto Cândido; f. 1948; 40,000 vols.; 1,000,000 MSS.; Dir. Dr. Manuel C. Baptista de Lima; publ. *Boletim da Biblioteca Pública e Arquivo Distrital de Angra do Heroismo*.

MUSEUMS

LISBON

Museu Etnográfico do Ultramar (*Overseas Ethnographical Museum*): Rua das Portas de Santo Antão; f. 1875; native arts, arms, clothing, musical instruments, agricultural products, fauna, statutes of navigators and historians, relics of voyages of discovery, scientific instruments; Dir. Prof. António de Almeida.

Museu Nacional de Arte Antiga (*Nat. Museum of Ancient Art*): Rua das Janelas Verdes; f. 1883; library of 10,000 vols.; Dr. João Couto; Curator Abel de Moura; Sec. Dr. António Manuel Gonçalves; publs. *Boletim dos Museus Nacionais de Arte Antiga, Boletim do Museu Nacional de Arte Antiga*.

Museu Nacional de Arte Contemporânea (*Nat. Museum of Contemporary Art*): Rua Serpa Pinto; f. 1911; contemporary painting and sculpture; Dir. Eduardo Malta.

Museu Nacional de Historia Natural (*Nat. Museum of Natural History*): Lisbon University; Dirs. Prof. C. Torre d'Assunção (Mineralogy and Geology), Prof. F. Resende (Botany), Prof. J. A. Serra (Zoology and Anthropology).

Museu Arqueológico (*Archæological Museum*): Largo do Carmo; f. 1866; directed by Associação dos Arqueólogos Portugueses; prehistoric and Stone Age collections from tumuli; Hispano-Arabic, Portuguese and Dutch tiles; Curators António Machado de Faria, Lieut.-Col. Manuel Afonso do Paço.

Museu de Arte Sacra de S. Roque (*Museum of Sacred Arts*): The Misericordia Hospital, Largo Trindada Coelho; f. 1905; rich and varied collections of religious paintings,

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Church vessels in precious metals, embroidered vestments, etc., by Italian artists of the 18th century; overflow from the opulent works destined for the famous Chapel of St. John the Baptist in the adjacent Church of St. Roque; Dir. Dr. José Guilherme de Mello e Castro; Provedor da Santa Casa da Misericordia de Lisboa.

Museu da Cidade (*City Museum*): Palacio da Mitra, Rua do Açúcar; f. 1942; history of development of Lisbon shown by archæological and ethnological documents and by views.

Museu-Escola de Artes Decorativas (*Museum School of Decorative Arts*): Largo das Portas do Sol 2; f. 1953; furniture, goldsmith's work, pottery, paintings and engravings; School of Decorative Arts; Dir. Guilherme Possolo.

Museu Instrumental (*Instruments Museum*): Rua dos Caetanos 29; f. 1941; European string, wind, key and percussion instruments of the 16th to 19th centuries, also instruments from Portugal and a collection of instruments from the Portuguese Overseas provinces; Dir. Ivo Cruz.

Museu Militar (*Military Museum*): Largo do Museu de Artilharia; f. 1842; exhibits of Portuguese military history, including muskets, arms, armour, uniforms, flags, etc., also important paintings from the 18th to 20th centuries; Dir. Coronel Julio Martins Mourao.

Museu Numismático Português (*Portuguese Numismatic Museum*): Av. Dr. A. J. Almeida; f. 1934; important collections of Portuguese and Colonial, Iberian, Roman and Visigothic coins; Dir. Dr. Damião Peres.

Museu Rafael Bordalo Pinheiro: Campo Grande 382; f. 1916; originals and reproductions of famous caricatures, ceramics, satirical documents; Dir. D. Julieta Ferrão.

ALEMQUER

Museu "Hipolito Cabaço" (*Municipal Museum*): Cámara Municipal; f. 1945; archæological, historical, ethnographical; 17,000 exhibits, some unique; Dir. Hipólito da Costa Cabaço.

AVEIRO

Museu de Aveiro (*Regional Museum*): f. 1911; religious art; Dir. Dr. António Manuel Gonçalves.

BELÉM, LISBON

Museu Agrícola do Ultramar: *see* Jardim e Museu Agrícola do Ultramar, page 891.

Museu Nacional dos Côches (*National Coach Museum*): Praça de Afonso Albuquerque; f. 1905 by Queen Amélia in the Riding School of the Royal Palace at Belém; National Museum 1911, enlarged 1944; gala and other coaches and carriages of the ex-Royal House of Portugal and Brazil, the Patriarchs of Lisbon; best and most complete collection in the world, the earliest said to have belonged to Philip III of Spain when travelling in Portugal in 1619, the greater number over 200 years old by famous European makers and artists; sedan chairs, harness and equipment, Royal liveries, etc., portraits, paintings, engravings, iconographic section, silver trumpets, costumes; Dir. Dra. Maria José de Mendonça; publs. catalogues.

Museu Etnológico "Dr. Leite de Vasconcelos" (*Ethnological Museum*): f. 1893; Dir. Prof. Dr. Manuel Domingues Heleno Jr.; publs. *O Archeólogo Português, Boletim de Etnografia.*

Museu de Arte Popular (*Museum of Popular Art*): Dir. D. Manuel de Mello Corrêa; Curator Maria Madalena de Cagigal e Silva.

BRAGANÇA

Museu Regional Abade de Baçal (*Baçal Abbey Museum*): Dir. Dr. Maria de Lourdes Bartholo.

CASCAIS

Museu-Biblioteca "Conde de Castro Guimarães" (*Museum and Library*): f. 1930; 12,116 vols.; *Cronica* about Afonso Henriques, 16th-century illuminated *Codex* on parchment, 17th-century Indo-Portuguese counting frames, prehistoric ceramics; furniture, pictures, silverware; Curator Maria Alice Beaumont; publ. *Boletim.*

CASTELO BRANCO

Museu Regional "Francisco Tavares Proença Júnior" (*Regional Museum*): f. 1910; archæological, ethnographical, numismatics, art gallery, tapestries; important collections of objects found in tombs at Beira Baixa; Bronze-Age weapons and ornaments from a complete workshop found at Castelo Novo; 1,500 coins; four aquatints by Turner; four tapestries from Brussels dating from late 16th century; Dir. Coronel A. Elias Garcia.

COIMBRA

Museu de Historia Natural (*Natural History Museum*): Coimbra University; f. 1772; Dept. of Mineralogy and Geology: Dir. Dr. João M. Cotelo Neiva; Dept. of Botany: Dir. Dr. Abilio Fernandes; Dept. of Zoology: Dir. Dr. Alberto da Cunha Marques (acting).

Museu e Laboratorio Zoológico de Coimbra (*Zoological Museum and Laboratory*): Coimbra Univ., Largo do Marquês de Pombal; f. 1772; valuable collections of Portuguese and Colonial fauna; Dir. Prof. Dr. A. Xavier da Cunha; publs. *Memorias e Estudos.*

Museu "Machado de Castro" (*Machado de Castro Museum*): f. 1911; established in the old Bishop's Palace built on Roman galleries, renewed in the 16th century and recently adapted; antiquities, sculpture, paintings, silver-work, priests' vestments, tapestries, ceramics, glass, furniture; Dir. Prof. Luis Reis-Santos.

ÉVORA

Museu Regional de Évora (*Regional Museum*): Largo do Conde de Vila Flor; f. 1915; paintings, one of the best collections of Flemish works in Portugal; sculpture, furniture; Dir. Prof. Mário Taveres Chico.

FARO

Museu Arqueológico Infante D. Henrique (*Infante D. Henrique Archaeological Museum*): Câmara Municipal; f. 1894; historical, archæological, ethnographical; Dir. Dr. Mario Lyster Franco.

Museu Marítimo (*Maritime Museum*): Capitania do Pôrto de Faro; f. 1931; formerly Museu Industrial Marítimo f. 1889; regional methods of fishing, instruments, models of ships and equipment, paintings of marine fauna, sailors' handicrafts; Dir. Pedro Raimundo Martins de Magalhães.

Museu S. Antonio (*Museum of St. Anthony*): Ermida de Santo António do Alto; f. 1933; collections relating to the cult of St. Anthony of Lisbon; Founder and Dir. Dr. Mario Lyster Franco.

FIGUEIRA DA FOZ

Museu Municipal "Dr. Santos Rocha" (*Municipal Museum*): Rua Fernandes Tomás; f. 1894, reopened 1945; general; Dir. António Vítor Guerra; Curator José Neto Rocha.

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GUIMARÃES

Museu de Martins Sarmento (*Martins Sarmento Museum*): Rua de Paio Galvão; f. 1885; archæological; numerous exhibits relating to Portuguese Celtic, Roman and Visigothic periods; Dir. MARIO CARDOZO.

Museu Regional de Alberto Sampaio (*Regional Museum*): Largo da Oliveira; f. 1928; architecture, paintings, sculpture (examples in painted wood), ceramics, enamels, antiques (examples of early Christian art dating from the 8th century), embroidery; Dir. Dr. MARIA E. AMARAL TEIXEIRA.

LAMEGO

Museu Regional de Arte e Arqueologia (*Regional Museum of Art and Archæology*): f. 1917; tapestries, oil paintings, sculpture, religious ornaments; Dir. Dr. ABEL MONTENEGRO FLÓRIDO.

MADEIRA

Museu de Arte Sacra (*Museum of Sacred Art*): Rua do Bispo 21; diocesan museum.

Museu César Gomes (*César Gomes Museum*): decorative arts; under the direction of the General District Commission.

Museu Municipal do Funchal (*Funchal Municipal Museum*): Funchal, Madeira; f. 1929; Natural History and Marine Aquarium; large collection of marine animals, especially deep-sea fish and crustaceans; library on marine biology; Curator G. E. MAUL; publs. *Do Museu Municipal do Funchal, Bocagiana.*

OPORTO

Museu Nacional de Soares dos Reis (*Nat. Museum*): Palacio dos Carrancas, Rua D. Manuel II; f. 1833; paintings, sculpture, jewellery, numismatics, antiques, pottery glass; Dir. Dr. MANUEL DE FIGUEIREDO.

Museu de Historia Natural (*Natural History Museum*): Oporto University; comprises the following: Museu do Instituto de Zoologia "Dr. Augusto Nobre", Museu do Instituto de Antropologia "Dr. Mendes Corrêa", Museu do Instituto de Botânica "Dr. Gonçalo Sampaio", and Museu Mineralógico e Geológico.

Museu de Etnografia e Historia da Junta Distrital do Porto: Largo de S. João Novo, 11; Dir. Dr. FERNANDO DE CASTRO PIRES DE LIMA; publ. *Revista de Etnografia.*

TÔRRES NOVAS

Museu e Biblioteca de Tôrres Novas (*Museum and Library*): f. 1937; archaeological, historical, fine arts, ethnographical, religious art, numismatics; 15,000 vols.; Dir. Dr. ALBERTO BORGES DOS SANTOS.

VISEU

Museu Regional "Grão Vasco" (*Regional Museum*): Paco dos Tres Escalões; furniture, tapestry, plate, ceramics and glassware, Flemish and Portuguese paintings; Dir. Dr. F. RUSSELL CORTEZ.

THE AZORES

Museu Regional de Angra do Heroismo (*Regional Museum*): Palácio Bettencourt; f. 1949; paintings, silverwork, furniture, sculpture, etc.; Dir. Dr. BAPTISTA DE LIMA.

UNIVERSITIES

UNIVERSIDADE DE COIMBRA

COIMBRA

Telephone: 22034

Telegraphic Address: Universidade Coimbra

Founded 1290

Rector: Dr. ANTONIO JORGE ANDRADE DE GOUVEIA.
Vice-Rector: Dr. ARNOLDO MIRANDA CASIMIRO BARBOSA.
Secretary: Lic. JOSÉ ANTONIO DA COSTA MARTIUS MOREIRA.
Librarian: Dr. MANUEL LOPES DE ALMEIDA.

Library: f. 1716; 1,000,000 vols.

Number of teachers: 215, including 65 professors.

Number of students: 5,700.

Publications: *Revista da Universidade, Anuário da Universidade, Biblos, Revista Portuguesa da História, Brasilia, Revista do Laboratório de Fonética, Humanitas, Revista Portuguesa de Filologia.*

Faculty Libraries:

Faculty of Letters: f. 1911; 100,000 vols.; Librarian Dr. MANUEL DE PAIVA BOLEO.

Faculty of Medicine: f. 1853; 20,000 vols.; Librarian Dr. ANTONIO MELIÇO SILVESTRE.

Faculty of Law: f. 1911; 150,000 vols.; Librarian Dr. ANTÓNIO DE ARRUDA FERRER CORREIA.

Faculty of Science: f. 1911; 157,000 vols.; Librarian (vacant).

School of Pharmacy: f. 1904; 6,000 vols.; Librarian Dr. ALOISIO JOSÉ DE CARVALHO FERNANDES COSTA.

DEANS:

Faculty of Letters: Dr. ALVARO JÚLIO DA COSTA PIMPÃO.
Faculty of Law: Dr. JOSÉ CARLOS MARTINS MOREIRA.
Faculty of Medicine: Dr. AUGUSTO PAIS DA SILVA VAZ SERRA.
Faculty of Science: Dr. JOÃO MANUEL COTELO NEIVA.
Faculty of Pharmacy: Dr. JOSÉ RAMOS BANDEIRA.

PROFESSORS:

Faculty of Letters:

ALMEIDA, MANUEL LOPES DE (History).
BARBOSA, ARNALDO MIRANDO CASIMIRO (Philosophy).
BOLÉO, MANUEL DE PAIVA (Portuguese Philology).
BRANDÃO, MÁRIO MENDES DOS REMÉDIOS DE SOUSA (History).
HERCULANO DA CARVALHO, JOSÉ GONÇALO (Romance Linguistics).
PIMPÃO, ALVARO JÚLIO DA COSTA (Portuguese Literature, French Language and Literature).
RAMALHO, AMERICO DA COSTA (Latin).
SOASES, Dr. TORQUATO BROCHADO DE SOUSA (Medieval History).

Faculty of Law:

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COSTA, Dr. MARIO JULIO BRITO DE ALMEIDA (History of Portuguese Law).
FÉRRER CORREIA, ANTONIO DE ARRUDA (Commercial Law Private International Law).
MOREIRA, JOSÉ CARLOS MARTINS (Constitutional Law).
PIRES DE LIMA, FERNANDO ANDRADE (Civil Law).
QUEIRÓ, AFONSO RODRIGUES (Public International Law).
RIBEIRO, JOSÉ JOAQUIM TEIXEIRA (Economy and Finance).
VAZ SERRA, ADRIANO PAIS DA SILVA (Civil Law).

Faculty of Medicine:

ALMEIDA, LÚCIO DE (Pædiatrics).
AZEVEDO, Dr. JOAQUIM DE (Therapeutics).
BRUNO DA COSTA, MANUEL (Medical Propædeutics and Semeiology).

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CORREIA DE OLIVEIRA, JOSÉ AUGUSTO (Neurology, Psychiatry).
DA COSTA BARROS, ALBERTINO (Clinical Obstetrics).
DUARTE SANTOS, LOUIS AUGUSTO (Legal, Forensic Medicine).
ESPIRITO SANTO, Dr. JOAQUIM MONTEIRO LOPES DO (Infectious Diseases).
GUIMARÃES, JOÃO JOSÉ (Pharmacology).
MELICO SILVESTRE, ANTÓNIO (Hygiene).
MONTEIRO, Dr. G. (Pneumonology).
OLIVEIRA, Dr. FERNANDO ALBERTO SERRADE (Surgery).
OLIVEIRA, HENRIQUE DE (Bacteriology and Parasitology).
OLIVEIRA E SILVA, JOÃO DE (Physiology, Physiological Chemistry).
PEREIRA, BARTOLO (Surgical Pathology).
PORTO, JOÃO MARIA (Medical Clinic).
RAPOSO, LUIS ANTÓNIO MARTINS (Surgical Pathology).
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Faculty of Science:

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CUNHA MARQUES, ALBERTO XAVIER DA (Zoology, Anthropology).
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FERNANDES, ABÍLIO (Botany).
GOUVEIA, ANTÓNIO JORGE ANDRADE DE (Organic Chemistry).
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REIS, MANUEL DOS (Astronomy).
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School of Pharmacy:

BANDEIRA, JOSÉ RAMOS (Cryptogamy and Fermentation).
FERNANDES COSTA, ALOÍSIO JOSÉ DE CARVALHO (Pharmacognosy).
VALE, Dr. JOSÉ B. C. DO (Pharmaceutics).

UNIVERSIDADE DE LISBOA

CIDADE UNIVERSITÁRIA, LISBON (4)

Telephone: 76762

Founded 1290, restored 1911.

Rector: Dr. PAULO CUNHA.
Vice-Rector: Dr. JOSÉ FRANCISCO RAMOS E COSTA.
Secretary: (Vacant).
Librarian: (Vacant).

Number of teachers: 272, including 67 professors.
Number of students: 8,301.

Libraries:

Science Faculty: f. 1837; 50,320 vols.; Librarian Dr. KURT JACOBHSON.

Law Faculty: f. 1914; 58,398 vols.; Librarian Dr. ADELINO HERMITERIO DA GALMA CARLOS; publ. *Revista.*

Faculty of Letters: f. 1911; 124,500 vols.; Librarian Dr. LEWIS FILIPE LINDEY CINTRA; publ. *Revista da Facultade de Letras.*

Medical Faculty: f. 1911; 52,997 vols.; Librarian Dr. CARLOS QUEIROS SALAZAR DE SOUSA.

School of Pharmacy: f. 1920; 3,958 vols.; Librarian Dr. MANUEL PINHEIRO NUNES.

DIRECTORS:

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NEMESIO, VITORINO (Literature).
RAU, VIRGINIA ROBERTES (History).
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SA, ARTUR BELEZA MOREIRA DE (Philosophy).
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COSTA, JAIME CELESTINO (Surgical Propadeutics).
CRUZ, ALEU DE ALMADA SALDANHA QUADROS (Radiology).
CUNHA, PEDRO DA (Obstetrics and Gynæcology).
FERNANDEZ, HENRIQUE JOÃO DE BARAONA (Psychiatry).
FONTES, VICTOR HUGO MOREIRA (Anatomy).
HORTA, JORGE AUGUSTO DA SILVA (Anatomy).
LIMA, PEDRO MANDEL DE ALMEIDA (Neurology).
MADEIRA, FREDERICO JULIO CORREIA (Therapeutics).
MORATO, MANUEL JOÃO XAVIER (Histology and Embryology).
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MORAIS, VIRGILIO CUSTODIO DE (Surgical Medicine).
MOREIRA, MARIO DA SILVA (Internal Medicine).
NUÑES, MARIO MOURABRAS ARSENIO (Legal Medicine).
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COSTA, ANTONIO ALMEIDA (Geometry).
COSTA, JOSÉ FRANCISCO RAMOS E. (Mathematics).
FERREIRA, HERCULANO AMORIM (Physics).
GIÃO, ANTONIO (Astronomy).
GONÇALVES, JOSÉ VICENTE MARTINS (Mathematics).
JACOBSOHN, KURT PAUL (Chemistry).
MONTEIRO, AMARO JOAQUIM (Physics).
OLIVEIRA, FERNANDO VASCO ALVES DA VEIGA DE (Rational Mechanics).
RESENDE, FLAVIO FERREIRA PINTO (Botany).
SACARRAO, GERMANO DA FONSECA (Anthropology).
SERRA, JOSÉ ANTUNES (Zoology).
SILVA, JOSÉ SEBASTIAO E. (Mathematics).
TAVARES, CARLOS DAS NEVES (Botany).
TEIXEIRA, CARLOS (Mineralogy and Geology).

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School of Pharmacy:

NUÑES, MANUEL PINHEIRO (Galenic Pharmacy).
PEREIRO Sr., ALBANO (Cryptogamy).
RIBEIRO, JOAQUIM MENDES (Pharmacology).
RIBEIRO, JOSÉ AVELAR DE ALMEIDA (Pharmaceutical Chemistry).

UNIVERSIDADE DO PORTO

OPORTO

Telephone: 23648

Founded 1911.

Rector: Dr. MANUEL CORREA DE BARROS.
Vice-Rector: Dr. FERNANDO DOMINGUES MAGANO Jr.
Secretary: Lic. ANTONIO JOSÉ AGUIAR ALVES DE BRITO.

Number of teachers: 154, including 62 professors.
Number of students: 2,386 men, 764 women, total 3,150

Libraries:

Faculty of Science: 38,887 vols.; Librarian Dr. ABÍLIO AUGUSTO BOTELLIO DE SILVA AIRES.

Faculty of Medicine: 42,820 vols.; Librarian Dr. José LUÍS DE PINA GUIMARÃES.

Faculty of Engineering: 11,625 vols.; Librarian Dr. ISIDORO AUGUSTO DE LA HIGUERA F. DE ALMEIDA.

Faculty of Pharmacy: 4,527 vols.; Librarian Dr. ANTÓNIO LOPES RODRIGUES.

Faculty of Economics: 10,262 vols.

Publication: *Anuário.*

DIRECTORS:

Faculty of Science: Dr. ARNALDO DE JÉSUS MADUREIRA E SOUSA.
Faculty of Medicine: Dr. ERNESTO BORGES TEXEIRA DE MORAIS.
Faculty of Engineering: MANUEL CORREIA DE BARROS, Jr.
Faculty of Pharmacy: Dr. ARMANDO DE VASCONCELOS LAROZE ROCHA.
Faculty of Economics: (Vacant).

PROFESSORS (*Catedrdticos*):

Faculty of Sciences:

AZEVEDO COUTINHO BRAGA, CARLOS DE (Electricity, Intermediate and Nuclear Physics).
BOTELHO DA SILVA AIRES, ABÍLIO AUGUSTO (Differential Calculus, Geodesy).
BRITO, ALBERTO CARLOS DE (Organic Chemistry).
CARRINGTON SIMÕES COSTA, JOÃO (Palæontology, Geology).
DEODATO DA FONSECA ROSEIRA, A. (Botany).
FERREIRA, MANUEL JOAQUIM (Morphology).
GOMES DE CARVALHO, ANIBAL CIPIÃO (Mathematics, Infinitesimal Calculus and Higher Analysis).
JESUS DE MADUREIRA DE SOUSA, ARNALDO DE (Mathematics, Higher Algebra).
MALGALHÃES MATEUS, A. DE (Anthropology).
MENDONÇA MONTEIRO, ANTÓNIO DE (Analytical Chemistry).
RIBEIRO PEIXOTO DE QUEIRÓS, AUGUSTO H. (Descriptive and Higher Geometry).
RODRIGUES DOS SANTOS, Jr., JOAQUIM (Anthropology).
ROSAS DA SILVA, DOMINGO JOSÉ (Mineralogy, Geology, Crystallography and Geomorphology).
SARMENTO BEIRES, RODRIGO (Mechanics).
TEIXEIRA DE OLIVEIRA, MANUEL MARQUES (Mechanics and Thermodynamics).

Faculty of Medicine:

ATAÍDE MALAFAIA BAPTISTA, ALBERTO-DE (Pharmacology).
BASTOS MONTEIRO, HERNANI (Anatomy).
CERQUEIRA GOMES, M. (Propædeutics).
COIMBRA, FRANCISCO N. G. (Forensic Medicine).
COSTA PEREIRA VIANA, Dr. F. A. DA (Pathological Medicine)
DIAS GUIMARÃES, JOSÉ A. (Physiology).
FONSECA E. CASTRO, F. M. DA (Pediatrics).
MAGANO, Jr., FERNANDO D. (Surgical Pathology).
MARTINS GONÇALVES DE AZEVEDO, ANTONIO (Obstetrics and Gynæcology).
MEIO ADRIÃO, MANUEL (Anatomy, Geology).
MILHEIRO FERNANDES, ELÍSIO F. (Physio-chemistry).
OLIVEIRA FERRAZ JÚNIOR, A. J. DE (Clinical Medicine).
PINA GUIMARÃES, L. J. DE (History of Medicine).
PINHERO RODRIGUES, ALVARO ANTÓNIO (Surgery).
SILVA PINTO, MANUEL DA (Histology and Embryology).
SOUSA PEREIRA, ANTONIO DE (Surgery, Radiology).
TAVARES, AMÂNDIO (Pathological Anatomy).
TEIZEIRA DE MORAIS, ERNESTO B. (General Pathology).

Faculty of Engineering:

ALMEIDA GARRETT, ANTAODE (Concrete, Architecture, Urbanisation).
ARAÚJO MARTINS CAMPOS E MATOS, A. DE (Civil Engineering).
CORREIA DE BARROS, Jr., MANUEL (Theory of Electrotechnics, Telecommunications).
HIGUERA F. DE ALMEIDA, ISIDORO AUGUSTO DE LA (Mines).
RODRIGUES, ANTONIO JOSÉ ADRIANO (Metallurgy, Metallography).
SARMENTO CORREIA DE ARAÚJO, FRANCISCO JACINTO (Bridges and Special Structures).
SERRANO, HENRIQUE JOSÉ (Industry, Technology, Chemistry).

Faculty of Pharmacy:

CORREIA DE SILVA, A. C. (Pharmacognosy).
LAROZE ROCHA, ARMANDO V. (Toxicology, Biochemistry).
LOPES RODRIGUES, ANTÓNIO (Pharmacognosy, Inorganic Pharmaceutic Chemistry).

UNIVERSIDADE TECNICA DE LISBOA

RUA DO QUELHAS 6, LISBON

Rector: Dr. MOSES AMZALAK.
Vice-Rector: Prof. Eng. JOSÉ BELARD DA FONSECA.
Secretary: Dr. JOÃO BURNAY CARVALHOSA.

Number of professors: 96.
Number of students: 2,942.

DIRECTORS:

School of Higher Veterinary Medicine: Dr. ALFRED NEVES E CASTRO.
Higher Institute of Agronomy: ANDRE FRANCISCO NAVARRO.
Higher Institute of Economic and Financial Sciences: ANTONIO ARMANDO GONÇALVES PEREIRA.
Higher Technical Institute: LUIS AUGUSTO DE ALMEIDA.
Higher Institute of Social Sciences and Overseas Policy: ADRIANO JOSÉ ALVES MOREIRA.

PROFESSORS:

School of Higher Veterinary Medicine:

BRÁS, MARIO BAPTISTA (Pharmacology and Therapeutics).
CASTRO, ALFREDO (Surgical Propædeutics).
FERREIRA, ANTONIO JACINTO (Pathology).
FIADERIO, JOAQUIM (Clinical Pathology and Medicine).
GUERREIRO, RUI TOMÁS (Zootechnics).
LEITÃO, JOSÉ LUIS (Parasitology and Entomology).
ROSA, FRANCISCO MARIO DA (Genetics).
SOARES, IVO FERREIRA (Anatomy).
SOUSA, JAIME FREITAS DE (Medical Physics).
TROPA, EUGENIO ANTUNES (Animal Products Technology).

Higher Institute of Agronomy:

ALMEIDA, CARLOS REBELO MARQUÉS DE (Viticulture).
ALMEIDA, LUIS (Agricultural Chemistry).
AZEVEDO, JOAQUIM PAIS DE (General Zootechnics).
BARRETO, ANTÓNIO DE MATOS (Topography and Geodesy).
BARROS, HENRIQUE TEXEIRA QUEIRÓS DE (Rural Economy).
CABRAL, RAUL VASCO GARCIA DE (Plant Pathology).
CARRISSO, ANTÓNIO FRANCO (Electrotechnics).
CORREIA, EUGÉNIO MARGARIDO (Oenology).
COSTA, JOAQUIM VIEIRA BOTELHO DA (Pedology and Soil Conservation).
FRAZÃO, EDUARDO AUGUSTO MENDES (Agricultural Meteorology).
GOES, LUIS ANTÓNIO DE ALMEIDA (Agricultural Microbiology).
HELBLING, CARLOS ERNESTO (General Agriculture).
MENDONÇA, PEDRO DE VARENNES MONTEIRO DE (Rational Mechanics).

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NAVARRO, ANDRÉ FRANCISCO (Horticulture and Arboriculture).
NEVE, CARLOS MANUEL (Agricultural Entomology).
RAPOSO, FERNANDO (Forestry Economy).
SILVEIRA, JOSÉ DE SAMPAIO (Sugar Technology).
SOUSA, EDUARDO (Rural Construction).
VASCONCELLOS, JOÃO DE CARVALHO E (Botany).

Higher Institute of Economic and Financial Sciences:
BARBOSA, ANTÓNIO MANUEL PINTO.
BARRIGA, ANTÓNIO PINTO DE MIREILES (Constitutional Law).
CARDOSO, JOSÉ PIRES.
GODINHO, ANTÓNIO MARIA (Economic History).
LAPA, JOÃO FARIA.
MARTINS, CARLOS MANUEL (Finance).
MURTEIRA, BENTO JOSÉ (Statistics).
NUNES, MANUEL JACINTO (Economy).
PEREIRA, ANTÓNIO ARMANDO GONÇALVES (Commercial and Maritime Law).
PINTO, FRANCISCO DE PAULA LEITE.
PINTO, LUIS MARIA TEIXEIRA.
SILVA, FERNANDO (Accountancy Theory).

Higher Technical Institute:
ALVES, LUIS AUGUSTO (Infinitesimal Calculus).
BARBOSA, DANIEL MARIA (Economics).
CARDOSO, EDGAR ANTÓNIO (Bridges and Special Structures).
CARRISSO, ANTÓNIO FRANCO (Electrical Machinery).
CARVALHO, ANTÓNIO HERCULANO.
COSTA, FERNANDO VASCO (River and Sea Works).
DÍAS, JOSÉ NASCIMENTO FERREIRA.
FARIA, LUCIANO LUIS (Machinery Parts).
FARO, MANUEL JOSÉ (Telecommunications).
FERNANDES, ANTÓNIO ALVES (Higher Analysis).
HEROLD, BERNARDO JEROSCH (Organic Chemistry).
ILHARCO, FRANCISCO DE MAGALHÃES (Chemistry).
MANZANARES, ALBERTO VICENTE (Hydraulics).
MARQUES, HENRIQUES AUGUSTO (Metallurgy and Metallography).
MELO, ALVARO JOSÉ (Machinery).
MENDES, FERNANDO (Prospecting).
MONCADA, CARLOS FERRER.
PINTO, JAIME REBELO (Soil Mechanics).
PORTELA, ANTÓNIO GOUVEIA (Thermodynamics).
SILVEIRA, ANTÓNIO DA (Physics).
TADEU, DECIO (Geology).

Higher Institute of Social Sciences and Overseas Policy:
ALMEIDA, ANTÓNIO DE (Portuguese Overseas Provinces Ethnography).
CUNHA, JOAQUIM MOREIRA.
DÍAS, ANTÓNIO JORGE.
FORTUNA, VASCO NUNES (Finance).
MATOS, LUIS DE.
MOREIRA, ADRIANO JOSÉ.
NOGUEIRA, RODRIGO DE SÁ (Linguistics).
REGO, ANTÓNIO DA SILVA (History of Overseas Territories).
SANTOS, JESUS NUNES DOS (Political Economy).
TENREIRO, FRANCISCO JOSÉ.

COLLEGES

Academia Militar (*Military College*): Lisbon; f. 1837; Dir. Com. Gen. HUMBERTO BUCETA MARTINS; teaching personnel 52; attached to the Ministry of War.

Escola Naval (*Naval College*): Alfeite; f. 1845; Dir. Commodore ANTÓNIO MORGADO BELO; teaching staff 24; attached to Ministry of the Navy.

Instituto de Medicina Tropical (*Inst. of Tropical Medicine*): Rua da Junqueira, Lisbon; f. 1902; attached to the Ministry of the Overseas Territories; library of 15,000 vols.; Librarian M. U. LACERDA; publ. *Anais do Instituto de Medicina Tropical* (quarterly).

Director: Prof. A. SALAZAR LEITE.

Number of teachers: 27, including 7 professors.
Number of students: approx. 120.

PROFESSORS:
CAMBOURNAC, F. J. C. (Hygiene, Climatology).
CRUZ FERREIRA, F. S. (Tropical Pathology).
JANZ, GUILHERME JORGE (Acting) (Hygiene, Climatology).
PINTO, M. R. DA CUNHA (Bacteriology and Virology).
SALAZAR LEITE, AUGUSTO (Dermatology and Mycology).
TRINCÃO, CARLOS PINTO (Hæmatology and Protozoology).

Instituto Superior de Ciências Sociais e Política Ultramarina (formerly Escola Colonial, Escola Superior Colonial, Instituto Superior de Estudos Ultramarinos): Rua da Junqueira 86, Lisbon 3; f. 1906; teaching personnel 31, number of students 285; Dir. Dr. ADRIANO JOSÉ ALVES MOREIRA; publs. *Estudos Políticos e Sociais* e *Anudrio Político de Portugal.*

SCHOOLS OF ART AND MUSIC

Conservatório Nacional (*National Acad. of Music*): Rua dos Caetanos 29, Lisbon; f. 1835.

Director: Dr. IVO CRUZ.

Secretary: MANUEL DE ASCENÇÃO ANTUNES.

Sub-Director: JOSÉ LUCIO MENDES, JR. (Music Section); (Vacant: Theatrical Section).

Escola Superior de Belas Artes (*School of Fine Arts*): Largo da Biblioteca Publica, Lisbon; f. 1836; Dir. Arq. PAULINO MONTEZ.

Escola Superior de Belas Artes (*Higher School of Fine Arts*): Av. Rodrigues de Freitas, Oporto; f. 1836; Dir. Arch CARLOS RAMOS.

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PORTUGUESE PROVINCES OVERSEAS

ANGOLA

Population 4,832,677

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centro de Investigação Científica Algodeira (*Cotton Scientific Research Centre*): Junta de Exportação do Algodão, Estação Experimental de Onga-Zanga, Catete; fibre technology laboratory, agricultural machinery station, crop irrigation station (Bombagem); library; Dir. Eng. Agr. JOAQUIM RODRIGUES PEREIRA.

Instituto de Angola: Caixa Postal 2767, Luanda; f. 1952; 300 mems.; library of 2,000 vols.; Pres. Comandante FREDERICO CRUZ; publ. *Boletim do Instituto de Angola* (quarterly).

Instituto de Investigação Científica de Angola (*Angola Scientific Research Institute*): Caixa Postal 3244, Luanda; f. 1955; departments of Biology, Geography, Geology, Humanities; library and documentation centre; Dir. Eng. Agr. VIRGILIO CANNAS MARTINS.

Instituto de Investigação Medica de Angola (*Angola Medical Research Institute*): Luanda; f. 1955.

Missão Geográfica de Angola (M.G.A.) (*Angola Geographical Mission*): C.P. 432, Nova Lisboa, Angola; f. 1941; Dir. Eng. Geog. ALBERTO MANUEL HENRIQUES PEREIRA BASTOS.

Observatório Meteorológico e Magnético João Capelo (*João Capelo Meteorological and Magnetic Observatory*): Serviço Meteorológico de Angola, Rua Diego Cão 20, Caixa Postal 1288, Luanda; f. 1879; library of 4,800 vols.; Dir. Eng. SECUNDINO JOSÉ DE ALMEIDA; publs. *Resultados das Observações Meteorológicas, Boletim geomagnético preliminar, Boletim sismológico* (monthly), *Observações Meteorológicas de Superficie em Angola, Observações Meteorológicas de Altitude em Angola, Anuário Meteorológico, Tabelas Diversas* (yearly).

Sociedade Cultural de Angola (*Angola Cultural Society*): Caixa Postal 535, Luanda; Pres. Dr. ANTÓNIO ALEXANDRE CALAZANS DUARTE; Sec. FERNANDO OCTÁVIO PORTUGAL ESTRELA; publ. *Cultura* (monthly).

LIBRARIES

Biblioteca Central de Educação: Caixa Postal 1281, Luanda; 2,100 vols.; also maintains a travelling library.

Biblioteca Municipal: Caixa Postal 1227, Luanda; 14,600 vols.; Librarian ALBERTO SERRA JÚNIOR.

MUSEUMS

Museu de Angola: Caixa Postal 1267C, Luanda; f. 1938; National Archives, Art, History; library of 4,000 vols.; Pres. Eng. VIRGILIO CANNAS MARTINS; publs. *Boletim da Biblioteca e Museu de Angola, Aquivos de Angola, Boletim Cultural.*

Museu do Dundo: Dundo, Luanda; Ethnography, Anthropology, Zoology, Geology, Pre-history and History of Luanda; library of 2,000 vols.; Dir. of Biological Research Dr. A. DE BARROS MACHADO; publ. *Publicações Culturais da Companhia de Diamantes de Angola.*

UNIVERSITY

Centro de Estudos Universitarios: Luanda; f. 1963; courses to include medicine, engineering, veterinary science, agriculture, forestry and pedagogy; the following existing institutes will be incorporated: Laboratory of Engineering, Institute of Agronomic Research, Laboratory of Veterinary Pathology, Institute of Medical Research, and the Institute of Scientific Research.

Director: Prof. ANDRÉ NAVARRO.

MOZAMBIQUE

Population 6,592,994

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Arquivo Histórico de Moçambique (*Mozambique Historical Archives*): Direcção dos Serviços de Instrucão, Lourenço Marques; library of 8,319 vols.; Dir. JORGE GOUVEIA CRÓ (acting).

Instituto do Algodão de Moçambique (*Cotton Research Institute*): Caixa Postal 806, Lourenço Marques; f. 1962; departments of agronomy, botany, soils, economics, genetical cytology, entomology and phytopathology; 4 experimental stations; library of 2,500 vols., 210 journals and reviews; Dir. Eng. Agr. MARIO DE CARVALHO; publ. *Memórias e Trabalhos.*

Instituto de Investigação Científica de Moçambique (*Mozambique Institute of Scientific Research*): Caixa Postal 1780, Lourenço Marques; f. 1955; departments of Biology, Geography, Geology, Social Sciences; library and scientific documentation centre; Dir. Prof. Dr. J. PINTO LOPES; publs. *Revista de Entomológia de Moçambique, Novos Taxa Entomológicos, Boletim do Centro de Documentação Científica.*

Instituto de Investigação Médica de Moçambique (*Mozambique Medical Research Institute*): Avenida Fernandes Tomáz 179, Caixa Postal 1572, Lourenço Marques; f. 1955; departments of Epidemiology (Malacology, Demography and Statistics), Microbiology (Protozoology, Helminthology, Bacteriology), Clinical Pathology (Therapeutics, Biochemistry, Hemathology, Pathology), Documentation and Scientific Information; 556 vols., 210 journals, 163 maps; Dir. L. T. DE ALMEIDA FRANCO.

Observatório Astronómico e Meteorlógico Campos Rodrigues (*Campos Rodrigues Astronomical and Meteorological Observatory*): Serviço Meteorológico de Moçambique, Caixa Postal 256, Lourenço Marques; f. 1907; Dir. Dr. ANTONIO SILVA DE SOUZA; publs. *Anuário de Observa-*

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ções, Observações Astronómicas, Observações Meteorológicas, Boletim Mensal das Observações Meteorológicas, Boletim Geomagnetico Preliminar, Boletim Sísmico da Estação de Lourenço Marques, Relatório do Observatório Campos Rodrigues, Boletin Meteorologico para a Agricultura, Publicações Eventuais.

Sociedade de Estudos da Provincia de Moçambique (*Society for the Advancement of Science in Mozambique*): P.O. Box 1138 (Lourenço Marques); f. 1930; 650 mems., library of 22,500 vols.; the Society is divided into 13 sections: Overseas Administration, Social Sciences, Economy and Finance, Agriculture, Brazilian Studies, French Studies, Feminine Studies, Humanities, Jurisprudence and Legislation, Mathematics and Engineering, Biology and Medicine, Soil Protection, Physico-Chemical Sciences; Pres. Prof. Eng. Sylv. MANUEL GOMES GUERREIRO; publ. *Boletim* (bi-monthly).

LIBRARIES

Biblioteca Central de Educação: Lourenço Marques; 4,600 vols.; maintains a travelling library.

Biblioteca Municipal: Lourenço Marques; 7,951 vols.

Biblioteca da Sociedade de Estudos da Provincia de Moçambique: Lourenço Marques; 22,500 vols.

Biblioteca Nacional de Moçambique (*National Library of Mozambique*): Direcção dos Serviços de Instrução, Lourenço Marques; 30,000 vols; Dir. Dr. JORGE GOUVEIA CRO.

MUSEUMS

Museu Dr. Álvaro de Castro: Caixa Postal 598, Lourenço Marques; f. 1911; Natural History Museum and Ethnographic Gallery; library of 482 vols.; Dir. Prof. Dr. J. PINTO-LOPES; publ. *Memórias do Museu Dr. Alvaro de Castro.*

Museu Freire de Andrade: Direcção dos Serviços de Geologia e Minas, Lourenço Marques; f. 1940; Department of Geology and Mines; Dir. Eng. JORGE MANUEL TRIGO MIRA.

OTHER TERRITORIES

LEARNED SOCIETIES AND RESEARCH INSTITUTES

MACAO

Círculo Cultural de Macau: Avenida da República 4; publ. *Mosaico.*

PORTUGUESE GUINEA

Centro de Estudos da Guiné Portuguesa: Caixa Postal 37, Bissau; f. 1945; library of 5,800 vols.; Pres. Dr. CARLOS LEHMAN DE ALMEIDA; Sec. JOAQUIM AUGUSTO AREAL; publs. *Boletim Cultural da Guiné Portuguesa* (quarterly), *Memórias.*

LIBRARIES AND MUSEUMS

MACAO

Biblioteca Nacional e Museu Comercial e Etnográfico Luís de Camões (*Luis de Camões National Library and Commercial and Ethnographical Museum*): Macao; Dir. Cónego ANTÓNIO MARIA MORAIS SARMENTO; Librarian Dr. MANUEL GOMES MADEIRA GUEDES DE ANDRADE.

Biblioteca Nacional de Macau (*National Library of Macao*): Librarian: LUIS GONZAGA GOMES; Edificio do Leal Senado, Macau.

Biblioteca Sir Robert Ho Tung (*Sir Robert Ho Tung's Chinese Library*): Largo do Sto. Agostino, Macau; Librarian: LUIS GONZAGA GOMES.

Museu Luís de Camões (*Luís de Camões Museum*): Praça Luís de Camões, Macau; Curator; LUIS GONZAGA GOMES.

SÃO TOMÉ E PRÍNCIPE

Biblioteca Municipal Dr. Henriques da Silva: Caixa Postal 13, São Tomé; 2,100 vols.; Librarian ARISTIDES DE OLIVEIRA.

PORTUGUESE GUINEA

Museu da Guiné Portuguesa: Caixa Postal 37, Bissau; departments of History, Ethnography, Natural Sciences and Economics; library of 5,000 vols.; Keeper JOAQUIM AUGUSTO AREAL.

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PUERTO RICO

Population 2,349,544

ACADEMY

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FORTALEZA 100, SAN JUAN
Corresponding with the Real Academia Española.

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Secretary: D. ANTONIO J. COLORADO.
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RAFAEL RIVERA OTERO.
FERNANDO SIERRA BERDECÍA.
NILITA VIENTÓS GASTÓN.
FRANCISCO M. ZENO.

LEARNED SOCIETIES

San Juan

Ateneo Puertorriqueno: Edif. Ateneo, Ponce de León Ave.; Pres. Lcda. NILITA VIENTÓS GASTÓN.

Comisión Asesora de Teatro: c/o Instituto de Cultura Puertorriqueña; Pres. PIRI FERNÁNDEZ DE LEWIS.

Consejo Puertorriqueño de la Música: c/o Instituto de Cultura Puertorriqueña; Dir. RICARDO E. ALEGRÍA.

Instituto de Cultura Puertorriqueña: Apdo. 4184; Dir. RICARDO E. ALEGRÍA.

Pro Arte Musical de Puerto Rico: Edif. Bouret.

Sociedad de Amigos de la Calle Cristo: Calle del Cristo 255.

Sociedad de Amigos de las Bellas Artes: c/o Instituto de Cultura Puertorriqueña.

Sociedad Puertorriqueña de Autores, Compositores y Editores Musicales (S.P.A.C.E.M.): 1105 Ponce de León.

Sociedad Puertorriqueña de Periodistas y Escritores (*Puerto Rican Society of Journalists and Writers*): 107 Fortaleza St.; Pres. ERNESTO JUAN FONFRIAS.

Hato Rey

Asociación de Maestros de Puerto Rico (*Puerto Rico Teachers Association*): Ponce de Leon Pda. 33, Hato Rey; Pres. MARIA ARROYO DE COLON; Exec. Sec. AGUSTÍN GARCÍA ESTRADA.

Mayaguez

Congreso de Poesía de Puerto Rico (*Congress of Poetry*): c/o Colegio de Agricultura y Artes Mecánicas; Pres. FRANCISCO LLUCH MORA.

Sociedad Mayaguezana Pro Bellas Artes: Pres. ATILANO FERNÁNDEZ.

Ponce

Ateneo de Ponce: Apdo. de Correos 1923; Pres. RAMÓN ZAPATA ACOSTA.

Rio Piedras

Academia Puertorriqueña de la Historia: Universidad de Puerto Rico; Pres. LUIS MANUEL DÍAZ SOLER.

Asociación de Psicólogos de Puerto Rico (*Puerto Rican Association of Psychology*): Apdo. 1902, University Station; Pres. MERCEDES RODRIGO.

Comisión Puertorriqueña de Historia de las Ideas: University of Puerto Rico; Pres. Dra. MONELISA PÉREZ MARCHAND.

U.P.R. Actividades Culturales y Sociales: Universidad de Puerto Rico.

Santurce

Festival Casals: Pda. 22, Edif. Santurce.

Instituto Puertorriqueña de Cultura Hispánica: Calle del Parque 225; Pres. José S. ALEGRÍA.

Yauco

Círculo Cultural Yaucano: Calle Muñoz Rivera; Pres. MARÍA AMELIA LUGO DE VIVALDI.

RESEARCH INSTITUTE

Arecibo

Arecibo Ionospheric Observatory: Arecibo; f. 1960; 20-degree off zenith steerable 1,000-ft. radar antenna in 18-acre bowl; for use in the study of planets, discovery of distant radio stars, and for studying the properties of the earth's upper atmosphere; financed by the U.S. Advanced Research Projects Agency; Dir. Prof. W. E. GORDON, of Cornell University.

LIBRARIES

San Juan

Archivo General de Puerto Rico: Instituto de Cultura Puertorriqueña, Apto. 4184; Dir. LUIS M. RODRIGUEZ MORALES.

Ateneo Puertorriqueño Library.

Carnegie Library.

Commonwealth of Puerto Rico, Department of Justice Library: Librarian GLADYS CRUZ GALÁN.

State Department Library: Fortaleza 54; Librarian Mrs. C. I. PEÑA DE PAGÁN.

Supreme Court of Puerto Rico Library: Librarian ANTONIO NADAL.

University of Puerto Rico, School of Medicine Library: Librarian KATHERINE K. LÓPEZ.

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U.S. District Court Library: Librarian MARY AGUAYO.

U.S. Veterans Administration Library: Librarian MARÍA M. J. LIZARRIBAR.

Hato Rey

Department of Education Library: Librarian ROSA C. ARRUFAT.

Humaçao

Antonio A. Roig Library

Mayaguez

U.S. Department of Agriculture, Experiment Station Library: Librarian ASTOR GONZÁLEZ.

University of Puerto Rico, College of Agricultural and Mechanical Arts Library: Librarian JUAN SUÁREZ MORALES.

Ponce

Ponce Public Library: Librarian ANA MARÍA ZAYAS; 20,000 vols.

Catholic University of Puerto Rico Library: Librarian Sister M. ST. ANGELA.

Rio Piedras

Agricultural Experiment Station Library (University of Puerto Rico): Librarian JOAN P. HAYES.

College of Pharmacy Library (University of Puerto Rico): Librarian JULIA F. DE ORDRÉA.

College of Social Science Library (University of Puerto Rico): Librarian ALBERTINA PÉREZ DE ROSA.

Law Library (University of Puerto Rico): Librarian MARGARET HALL.

Puerto Rico Junior College Library: Ave. Universidad; Librarian LEONOR VEGA BARRERA.

University of Puerto Rico Library: Librarian RODOLFO RIVERA, PH.D.

San Germán

Inter-American University of Puerto Rico Library: Librarian Dr. FREDERICK A. FORREST.

Santurce

Central High School and Public Library: Ponce de León, Stop 20.

College of the Sacred Heart Library: Librarian Mother ANA L. VILÁ, R.S.C.J., M.S.M.L.S.

Economic Development Administration Library: Librarian ISABEL C. LLORENS.

Puerto Rico Planning Board Library: Librarian ARLINE VIRELLA COFFEY.

U.S. Army Libraries:

Fort Brooke Post Library: A.P.O. 851, N.Y.; Librarian DOROTHY K. BERTRAM.

Post Library for Buchanan: A.P.O. 851, N.Y.; Librarian ZILKIA RIVERA.

MUSEUMS

San Juan

Casa del Libro: Calle del Cristo 255; Dir. ELMER ADLER.

Museo Militar de la Guardia Nacional: Apdo. 3786, Parada 3; Dir.Gen. CÉSAR CORDERO DÁVILA.

Museo Rodante: c/o Instituto de Cultura Puertorriqueña; Dir. RICARDO E. ALEGRÍA.

Museo de Arte Religioso: Iglesia Porta Coeli, San Germán; c/o Instituto de Cultura Puertorriqueña.

Museo de Bellas Artes: c/o Instituto de Cultura Puertorriqueña.

Museo de Historia Militar y Naval: Fuerte San Jerónimo; c/o Instituto de Cultura Puertorriqueña.

Parque Histórico en las Ruinas de Caparra: c/o Instituto de Cultura Puertorriqueña.

Ponce

Museo de Arte: c/o The Luis A. Ferré Foundation, Inc.; Pres. LORECITA RAMIREZ DE ARELLANO DE FERRÉ; Vice-Pres. LUIS A. FERRÉ.

Puerta de Tierra

Museo de Historia Natural: Ave. Ponce de León, Pada. 8, Parque Muñoz Rivera; Dir. ARTURO GIGANTE.

UNIVERSITIES

UNIVERSITY OF PUERTO RICO

RIO PIEDRAS, P.R.

Chancellor: JAIME BENÍTEZ, LL.M., M.A.
Dean of Studies: SEBASTIAN GONZALEZ GARCIA, PH.D.
Dean of Administration: WILLIAM H. PRESTON, LL.D.
Treasurer: FRANCISCO RIVERA BRENES, B.B.A.
Registrar: FRANCISCO LÓPEZ, B.A.
Librarian: RODOLFO RIVERA, PH.D.

Number of teachers: 1,424.

Number of students: 9,429 men, 8,794 women, total 18,223.

Publications: *University of Puerto Rico Bulletin* (irregular), *The Puerto Rico Journal of Public Health and Tropical Medicine* (quarterly), *Bulletin of the Agricultural Experiment Station* (quarterly), *La Revista Jurídica de la Univ. de Puerto Rico* (quarterly), *The Journal of Agriculture* (quarterly), *Research Bulletin of the Agricultural Experimental Station* (two a year, irregular), *Technical Papers of the Agricultural Experiment Station* (three a year, irregular), *La Torre* (quarterly), *Social Science Review* (quarterly), *Revista Colegial* (quarterly), *University of Puerto Rico Information Bulletin* (annual), *La Universidad* (irregular).

DEANS:

Rio Piedras Campus:
Dean of Students: PEDRO JOSÉ RIVERA.
Commerce: HÉCTOR ALVÁREZ SILVA, M.A.
Humanities: JOSE M. LAZARO, PH.D.
Law: DAVID M. HELFELD.
Pharmacy: LUIS TORRES DÍAZ, M.A.
Education: AUGUSTO BOBONIS, PH.D.
Natural Sciences: JUAN D. CURET.
Social Sciences: ADRIANA R. GUZMAN, PH.D.
General Studies: ETHEL RÍOS DE BETANCOURT.

Mayaguez Campus:
Agriculture: OVIDIO GARCÍA MOLINARI, PH.D.
Engineering: FERNANDO GONZÁLEZ MANDRY, B.S.
Arts and Sciences: JUAN A. RIVERO.

San Juan Campus:
Dentistry: LOWELL E. MCKELVEY.
Medicine, Tropical Medicine: JOSÉ R. VIVAS, M.D.

UNIVERSIDAD CATOLICA DE PUERTO RICO

SANTA MARÍA, PONCE, P.R.

Founded 1948.

Rector: Very Rev. JOHN F. MUELLER, S.M., ED.D.
Registrar: Sister ANNE THEODORA, C.S.J., M.A.
Librarian: Sister SAINT ANGELA, C.S.J., B.A., B.S.

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DEANS:

Administration: Sister JOSEPH LORRAINCE, C.S.J., M.A.
College of Arts and Sciences: Dr. SALVADOR PEREA, B.A., D. EN C.P.
Associate Dean of Education: Rev. EDMUND BAUMEISTER, S.M., PH.D.
Associate Dean of Social Science: Dr. SALVADOR PEREA, B.S., D. en C.P.
School of Law: Dr. CARLOS MASCARENAS, LL.D.
College of Education: Brother JOSEPH PANZER, S.M., PH.D.
Associate Dean of Commerce: Sister ADALBERT, O.P., M.B.A., PHD..

Number of teachers: 157.
Number of students: 2,512.

INTER-AMERICAN UNIVERSITY OF PUERTO RICO

SAN GERMÁN, P.R.
Telephone: 892-1095
Founded 1912

President: RONALD C. BAUER.
Dean of the University: Dr. LORRAINE CASBY.
Recording Officer: The Rev. RAFAEL COTTO.
Librairan: Dr. FREDERICK A. FORREST.

Number of students: 5,000.

Publications: *Polygraph* (monthly), *IAU Report* (quarterly), *Between Worlds* (semi annual), *Poesia Hispanica Moderna* (monthly).

COLLEGE OF THE SACRED HEART

INTERNADO SANTURCE, P.R.
Telephone: 2-2804

President: Mother ROSA A. ARSUAGA, R.S.C.J.
Dean: Mother MARY BYLES, R.S.C.J., PH.D.
Treasurer: Mother DOLORES PORTUONDO.
Registrar: Mother DOLORES SARRE.
Librarian: Mother ANA LUISA VILÁ, R.S.C.J., M.S. IN L.S.

Publications: *Bulletin of Information, Collegiana, El Pórtico, El Pabellón.*

PROFESSORS:

ARSUAGA, Mother ROSA A. (Psychology).
BYLES, Mother MARY (History).
SARRE, Mother DOLORES (French).
WOLF, HERBERT (Chemistry).

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RHODESIA AND NYASALAND, FEDERATION OF

Population 9,379,400

LEARNED SOCIETIES

Botanical Society of Southern Rhodesia: Salisbury; f. 1934; Hon. Sec. Mrs. R. ELLIS, P.O. Box 8024, Causeway, Salisbury; Librarian J. A. WHELLAN, P.O. Box 8100, Causeway, Salisbury.

British Council, The: Capitol House, King George Avenue, Ndola, Northern Rhodesia; Rep. R. P. R. SANGSTER.

British Council, The: Lalji Kurji Building, Sharrers Road, Blantyre, Nyasaland; Rep. R. P. K. HARRISON, M.B.E., M.A.

Central African Society of Music Teachers: f. 1955; aims to promote and foster the development of music appreciation in the Federation, and to protect the interests of the musical profession; administered by a central council; congress held in Que Que; Pres. Miss M. SLATER.

Herpetological Association of Rhodesia: Umtali Museum, Umtali, Southern Rhodesia.

Institution of Mining and Metallurgy: Northern Rhodesian section: P.O. Box 450, Kitwe; Southern Rhodesia section: P.O. Box 405, Salisbury.

National Art Council of Southern Rhodesia: P.O. Box 188, Salisbury.

Rhodesian Agricultural and Horticultural Society: P.O. Box 442, Salisbury; Sec. G. E. GILBERT-GREEN.

Rhodesia Scientific Association: P.O. Box 978, Salisbury; f. 1899; 180 mems.; Pres. W. E. KERR; Vice-Pres. Prof. E. L. YATES, P. G. S. GILBERT; Hon. Sec. G. C. L. CLARKE; Hon. Treas. J. DAVENPORT; publ. *Proceedings and Transactions of the Rhodesia Scientific Association*, Vols. 1-40.

Rhodesian Society of Arts: P.O. Box 927, Salisbury.

U.S. Information Service: 42 Angwa Street, Salisbury; brs. at Blantyre and Lusaka.

RESEARCH INSTITUTES

Agricultural Research Council of Rhodesia and Nyasaland: Pax House, Union Avenue, Salisbury; f. 1960; this organisation has been set up to co-ordinate agricultural research in the Federation; Chair. Sir RONALD PRAIN, O.B.E.; Dir. Dr. H. C. PEREIRA; Sec. A. W. LOVATT.

Agricultural Department, Nyasaland: P.O. Box 87, Zomba; controls the following research stations:

- **Chitedze Agricultural Research Station:** P.O. Box 158, Lilongwe; f. 1948; in 1956 the Station became a centre for agricultural and veterinary training, as well as for research, providing accomodation for 100 African students.
- **Bvumbve Tung and Agricultural Experimental Station:** work on coffee, fruit and mixed farming crops.
- **Makanga Experimental Station:** work on cotton crops, and irrigation problems in the Shire valley development area.

Bilharzia Research Laboratory: P.O. Box 8105, Causeway, Salisbury; Dir. V. CLARKE.

Cancer Association of Rhodesia and Nyasaland: P.O. Box 3388, Bulawayo.

Central Statistical Office: P.O. Box 8063, Causeway, Salisbury; f. 1927; co-ordinated statistical service for the Federal Government and the three Territorial Governments of Southern Rhodesia, Northern Rhodesia and Nyasaland; staff of 117; Dir. C. A. L. MYBURGH, M.COMM., PH.D.; publs. *Monthly Digest of Statistics, Quarterly and Annual Trade Statistics, Quarterly Financial Statistics*, etc.

Department of Veterinary Services; Tsetse and Trypanosomiasis Control Branch: P.O. Box 8283, Causeway, Salisbury; under the Federal Ministry of Agriculture; f. 1961; for the control of trypanosomiasis and tsetse fly and the investigation of methods of control; laboratory at Salisbury and two research stations in Zambezi Valley.

Division of Forest Research: Forest Department, P.O. Box 879, Kitwe, Northern Rhodesia; f. 1956; silvicultural research, indigenous forests and woodlands and plantations; tree breeding and selection; utilisation research; staff of 16, professional and technical; Chief Forest Research Officer E. N. COOLING; library of 850 vols. and current periodicals.

Federal Malaria Eradication Organisation: P.O. Box 8067, Causeway, Salisbury; Dir. Dr. H. L. WOLFE.

Federal Meteorological Service (Rhodesia and Nyasaland): P.O. Box 8066, Causeway, Salisbury; f. 1897; Dir. J. S. PEAKE; publs. *Monthly Meteorological Summaries, Rainfall Handbook Supplements, Climate Handbook Supplements*, daily weather reports and forecasts.

Gatooma Research Station: P.O. Box 396, Gatooma; f. 1925; maintained by the Federal Ministry of Agriculture; Officer-in-Charge A. H. MCKINSTRY, D.I.C.T.A.; Plant Breeder Dr. F. E. M. GILLHAM, B.SC.(AGRIC.); publ. *Rhodesia Agricultural Journal*.

Geological Survey of Northern Rhodesia: P.O. Box RW 135, Ridgeway, Lusaka; f. 1951; the library contains approx. 7,800 vols.; Dir. A. M. J. DE SWARDT; Dep. Dir. A. O. THOMPSON; ten Geologists, Chemist, Technical Records Officer; publs. *Annual Report, Records*, bulletins, memoirs, reports, occasional papers, economic reports, technical reports and maps.

Geological Survey of Southern Rhodesia: P.O. Box 8039, Causeway, Salisbury; f. 1910; the library contains 1,003 text books, 5,107 reprints, 5,500 periodicals; Dir. A. E. PHAUP; Senior Geologist Dr. W. H. SWIFT; Chemist B. J. RADCLIFFE; Mineralogist H. J. MARTIN; publs. *Annual Reports of the Geological Survey of Southern Rhodesia, Mineral Resources Series*, bulletins, short reports, and maps issued at irregular intervals.

Geological Survey of Nyasaland: P.O. Box 27, Liwonde Road, Zomba; f. 1918; geological mapping and survey.

Government Metallurgical Laboratory of the Department of Mines: P.O. Box 8340, Causeway, Salisbury; investigations on methods of economic extraction from precious, base-metal and non-metallic ores.

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Henderson Research Station, Fisheries Centre: Mazoe; under the Federal Ministry of Agriculture; research on fish resources and hydrobiology and development of fishing industries in Southern Rhodesia.

International Red Locust Control Service: P.O. Box 37, Abercorn, Northern Rhodesia; f. 1949; to prevent plagues of Red Locust by controlling incipient outbreaks and to carry out research; member countries: Republic of South Africa, Federation of Rhodesia and Nyasaland, the Congo, Rwanda, Burundi, Kenya, Uganda, Tanganyika, Angola, Mozambique, the British High Commission Territories; President J. A. WHELLAN; Dir. C. DU PLESSIS; publs. *Scientific Reports* (published through the Anti-Locust Research Centre, London, England).

Joint Fisheries Research Organisation of Northern Rhodesia and Nyasaland: Samfya, P.O. Box 48, Northern Rhodesia, and P.O. Box 10, Nkata Bay, Nyasaland; f. 1950; to study the fish resources of the territories and to develop fishing industries.

Mount Makulu Central Agricultural Research Station: Chilanga, near Lusaka, Northern Rhodesia; f. 1952; research on soils, soil classification, vegetation types and land classification; investigations into crop and grassland agronomy.

Pneumoconiosis Medical and Research Bureau of Northern Rhodesia: Cornwall Avenue, P.O. Box 205, Kitwe; f. 1950; research on Pneumoconiosis and related chest diseases; Dir. Dr. A. GRAY; Dep. Dir. Dr. G. H. FLETCHER.

Pasteur Institute and Public Health Laboratory: P.O. Box 8079, Causeway, Salisbury; f. 1921; Dir. L. O. C. Cookson; Pathologists Dr. H. DOUGLAS ROSS, Dr. M. G. A. FORREST, Dr. W. M. BUCHANAN; Senior Technical Assistant V. CARLISLE.

Rhodes-Livingstone Institute: P.O. Box 900, Lusaka; f. 1937; Incorporated University College Rhodesia and Nyasaland 1962; Dir. (Vacant); Research Officer A. A. DUBB, B.A.; Admin. Sec. G. G. MURRELL; Librarian (Vacant); (7,000 vols.); staff comprises two Research Officers and five Research Assistants; publs. *Journal, Rhodes-Livingstone Papers* (both six-monthly), *Monographs, Communications* and *Conference Proceedings* (occasional).

Standards Association of Rhodesia and Nyasaland: Sara House, Hatfield Road, Salisbury; f. 1957; sponsored by the Federal Govt.; 200 mems.; Chair. H. H. TAYLOR.

Tobacco Research Board of Rhodesia and Nyasaland: P.O. Box 1909, Salisbury; a statutory body est. 1950 by Tobacco Research Act; board represents growers, buyers, and Ministry of Agriculture; operates three research stations; Chair. R. B. HARLAND; Dir. I. MCDONALD, B.SC., M.A., PH.D., A.R.I.C.; publs. *Bulletins* and *Interim Reports*.

Veterinary Research Laboratory: P.O. Box 8101, Causeway, Salisbury; f. 1909; research in the animal diseases and the production of vaccines; Dir. G. J. CHRISTIE.

LIBRARIES AND ARCHIVES

British Council Library, The: P.O. Box 456, Blantyre; 1,600 vols.; Librarian Mrs. M. H. KOULA; Zomba branch, 2,000 vols.; Librarian G. H. P. BULIYANI.

Federal Assembly Library: Box 2474, Salisbury; f. 1954; for M.P.s, government departments and civil servants; 10,000 vols. and Commonwealth parliamentary papers, reports and debates; Librarian N. W. WILDING, A.L.A.

National Archives of Rhodesia and Nyasaland: Headquarters; P.O. Box 8043, Causeway, Salisbury, Southern Rhodesia; f. 1935 as the Government Archives of Southern Rhodesia; incorp. Public Records of Northern Rhodesia and Nyasaland and designated the Central African Archives 1947; assumed responsibility for Federal Records 1954 and name changed to National Archives of Rhodesia and Nyasaland, March 1958; also serves Bechuanaland Protectorate Government; now comprises divisions of Public Archives, Records Management, Historical Manuscripts, National Library (43,000 vols., legal deposit library for all three territories), Pictorial and Map Collections, Dir. T. W. BAXTER, A.L.A.; Regional Archives, P.O. Box 62, Zomba, Nyasaland; and P.O. Box R.W. 10, Ridgeway, Lusaka, Northern Rhodesia; publs. *Oppenheimer Series, Reports, Bibliographical Series, Guide to the Public Records of Southern Rhodesia, 1890-1923, Documents on the Portuguese in Mozambique and Central Africa, 1497-1840, Occasional Papers, List of Publications Deposited with the National Archives* (annual).

Ndola Public Library: P.O. Box 197, Ndola, Northern Rhodesia.

Public Library: P.O. Box 586, Bulawayo; f. 1896; reference lending, junior library; postal service to rural readers; Africana/Rhodesiana collection; legal deposit library for S. Rhodesia; 50,000 vols.; librarian E. WORSLEY, A.L.A.

Queen Victoria Memorial Library: P.O. Box 1087, Salisbury; f. 1902; Chair. N. W. WILDING; Librarian and Sec. Mrs. M. ROSS-SMITH, F.L.A.

Southern Rhodesia National Free Library Service: P.O. Box 1773, Bulawayo; f. 1943 as national lending library for educational, scientific and technical books and national centre for inter-library loans; postal service extended to Northern Rhodesia and Nyasaland 1946; 22,000 vols.; Librarian N. JOHNSON, A.LA.

Turner Memorial Library: Umtali, Southern Rhodesia; f. 1902; 16,657 vols.; Librarian Mrs. M. GREEN.

University College of Rhodesia and Nyasaland Library: Private Bag 167H, Salisbury; f. 1956; 60,000 vols.; 1,500 periodicals; deposit library; Librarian D. H. VARLEY, M.A., F.L.A.; publs. *Directory of Libraries in the Federation, Union Catalogue of Periodicals in the Libraries of the Federation.*

MUSEUMS AND ART GALLERIES

National Museum of Southern Rhodesia: P.O. Box 240, Bulawayo; f. 1901; nationalised 1936; administered by Board of Trustees appointed by the Minister of Justice and Internal Affairs; botanical, geological and zoological exhibits covering the Ethiopian Zoological Region, with special reference to Southern Rhodesia; historical, ethnographical, and prehistorical exhibits appertaining to Southern Rhodesia and adjacent regions; Scientific Staff: Curator and Keeper of Antiquities R. F. H. SUMMERS, F.S.A., F.R.A.I.; Keeper of Intertebrate Zoology E. C. G. PINHEY, B.SC.; Keeper of Vertebrate Zoology G. CHILD, M.SC.; Keeper of Geology R. TYNDALE-BISCOE, M.A., B.SC.; publ. *Occasional Papers*.

National Museum: Eight Avenue, P.O. Box 240, Bulawayo; departments of zoology, entomology, herpetology, geology and antiquities; collections of wild life, insects, and flora of the Rhodesias; library.

Nyasaland Museum: Blantyre; f. 1960; Curator P. W. HANNEY.

Queen Victoria Museum: P.O. Box 8006, Causeway, Salisbury; f. 1902; history, archæology, zoology, and palaeontology of Southern Rhodesia; controlled by the Trustees of the National Museum of Southern Rhodesia; Curator G. L. GUY.

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Rhodes-Livingstone Museum: P.O. Box 124, Livingstone; f. 1934; ethnology of Northern Rhodesian native tribes; archæology of Northern Rhodesia and South Central Africa; autograph letters and relics of David Livingstone; early maps of Africa; library specialising in archæology, ethnography, Rhodesiana and Africana; Dir. GERVAS CLAY; publ. *Occasional Papers of the Rhodes-Livingstone Museum* and *Robins Series of Monographs.*

Rhodes National Gallery: P.O. Box 8155, Causeway, Salisbury; f. 1957; permanent collection includes works by Reynolds, Morland, Murillo, Ribera, Montegna, Bellini, Caviaciolo, Pannini; art library and reading room; Dir. F. MCEWEN.

Umtali Museum: Umtali; zoological, archæological, ethnographical, geological exhibits covering Southern Rhodesia and adjacent regions; historical items, animal transport, herpetology and firearms.

UNIVERSITIES

THE UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND

PRIVATE BAG 167H, SALISBURY
Telephone: Salisbury 35674, 35260
Telegraphic Address: Unicoll, Salisbury

In February 1955 a Royal Charter was granted to the University College of Rhodesia and Nyasaland. The College is open to men and women of all races, and the degrees awarded are those of the University of London. Teaching in the Faculties of Arts and Science began in 1957, and in Agriculture in 1958.

President: Her Majesty QUEEN ELIZABETH THE QUEEN MOTHER.
Principal: Dr. WALTER ADAMS, C.M.G., O.B.E B.A., LL.D.
Registrar: J. D. ANGUS, B.A.
Librarian: D. H. VARLEY, M.A., F.L.A.

Number of teachers: 20.
Number of students: 479.

DEANS:

Faculty of Arts: Prof. E. T. STOKES.
Faculty of Education: Prof. C. A. ROGERS.
Faculty of Medicine: Prof. A. P. D. THOMSON.
Faculty of Science: Prof. G. BOND.
Faculty of Social Studies: Prof. F. M. G. WILSON.

HEAD OF DEPARTMENTS:

Faculty of Arts:
African Languages: Prof. G. FORTUNE, S.J., M.A., PH.D.
African Studies: Prof. J. C. MITCHELL, B.A., D.PHIL.
Economics: W. L. TAYLOR, M.A., M.SC.ECON.
Classics: (Vacant).
English: Prof. N. H. MACKENZIE, M.A., PH.D.
Government: Prof. F. M. G. WILLSON, M.A., D.PHIL.
History: Prof. E. T. STOKES, M.A., PH.D.
Mathematics: Prof. A. R. MANWELL, B.SC.
Modern Languages: Prof. B. H. RASMUSSEN, B.A.
Theology: Prof. R. CRAIG, M.A., PH.D.

Faculty of Education:
Education: Prof. H. J. ROUSSEAU, M.A., D.LITT., D.ED.

Faculty of Science:
Agriculture: Prof. A. G. DAVIS, B.S.A., M.SC.
Botany: Prof. A. S. BOUGHEY, B.SC., PH.D.
Chemistry: Prof. S. H. HARPER, PH.D., D.SC. (*Dean*).
Geology: Prof. G. BOND, PH.D., D.I.C.
Physics: Prof. E. L. YATES, M.SC., PH.D.
Zoology: Prof. E. B. EDNEY, D.SC., PH.D.

Faculty of Medicine:
Medicine: Prof. L. A. G. DAVIDSON, M.D., M.B., CH.B., M.R.C.P. (Lond. & Edin.).
African Medicine: Prof. M. GELFAND, C.B.E., F.R.C.P., M.D.
Pre-clinical Studies and Anatomy: Prof. A. P. D. THOMSON, M.B.E., B.SC., M.B., CH.B.

ATTACHED INSTITUTES:

Institute of Education.
Director: Prof. A. MILTON, M.A.

Institute of Adult Education.
Lecturer-in-charge: E. K. TOWNSEND-COLES, B.A.

Rhodes-Livingstone Institute.
Director: Prof. A. HERON, M.SC., PH.D.

University of Nyasaland: Nyasaland's new national university will have its nucleus at Livingstonia in the Northern Province. Agriculture will be centred at Chitedze, near Lilongwe, and architecture, commerce and similar subjects at the College of Commerce in Blantyre-Limbe. The College of Commerce will be absorbed into the new Polytechnic when it is built.

COLLEGES

Chibero College of Agriculture: Private Bag 901, Norton; opened with Course I in October, 1961. Three-year Diploma in Agriculture for Africans of the Federation of Rhodesia and Nyasaland.
Principal: J. W. WALSH, B.AG.
Number of students: 40.

Copperbelt Technical Foundation: Kitwe; f. 1957; 995 students; Chair. H. H. TAYLOR.

Gwebi Agricultural College: Private Bag 376B, Salisbury; f. 1950.
Principal: Dr. W. L. FIELDING.
The college provides a two-year course, leading to the Diploma of Agriculture.

Hodgson Technical College: P.O. Box R.W. 133, Ridgeway, Lusaka, Northern Rhodesia; f. 1953; courses in building, engineering, tailoring and leather craft.
Principal: RAY SMITH, M.B.E.
Number of students: 330.

Nyatsime College: Seke, Southern Rhodesia; f. 1960; African technical college giving 2-year courses leading to 5-year courses to City and Guilds of London Institute examination for technical teachers.
Principal: MATTHEW WAKATAMAL, M.A.
Number of students: 120.

Oppenheimer College of Social Service: Lusaka; f. 1960; a multi-racial college for training in the social services.
Number of students: 55.

Rhodesian College of Music: Civic Centre, Rotten Row, Salisbury C.3; f. 1948.
President: Sir THOMAS CHEGWIDDEN, C.B., C.V.O.
Founder and Director of Studies: EILEEN M. REYNOLDS, F.R.A.M.
Secretary: Mrs. I. F. HORTON.

Salisbury Art School: Corner Rhodes Avenue/Eighth Street, Salisbury.

Salisbury Polytechnic: Fifth Street, Salisbury; number of students: over 1,600. Courses in engineering, building, commerce, printing and adult education.

Soche Hill College: P.O. Box 496, Limbe, Nyasaland; f. 1962; provides a three-year course, leading to the Diploma in Education; *Principal:* JOHN ANDREW FULLER, M.A., B.SC.

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RUMANIA

Population 18,566,932

ACADEMY

Academia Republicii Populare Rumine (*Academy of the Rumanian People's Republic*): Bucharest, Calea Victoriei 125; f. 1948, as a result of the re-organisation of the Academia Română, and the dissolution of the Academia de Stiinţe and Academia de Medicină.

President: Ilie Murgulescu.
Honorary President: Constantin I. Parhon.
Library: *see* Libraries.

Presidium of the Academy

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V. Section of Geology and Geography:

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VII. Section of Economic, Philosophical and Juridical Sciences:

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IX. Section of Language, Literature and Arts:

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RESEARCH INSTITUTES ATTACHED TO THE ACADEMY OF THE R.P.R.

Section of Mathematical and Physical Sciences:

Institutul de Calcul (*Institute of Calculus*): Cluj, Bul. Republicii 37; Prof. Tib. Popovici.

Institutul de Fizică (*Institute of Physics*): Bucharest, Calea Victoriei 114; Dir. Acad. Eugen Bădărău.

Institutul de Fizică Atomică (*Institute of Atomic Physics*): Bucharest, căsuţa poştală 35; f. 1949; Dir. Acad. Horia Hulubei.

Institutul de Matematică (*Institute of Mathematics*): Bucharest 3, Str. M. Eminescu 47; Dir. Acad. G. Vrănceanu.

Institutul de Matematică (*Institute of Mathematics*): Iaşi, Str. Filimon Sîrbu 7; Dir. Prof. M. Haimovici; publ. *Studii şi Cercetări Stiinţifice Iaşi—Matematica.*

Observatorul Astronomic (*Astronomical Observatory*): Bucharest, Str. Cutitul de Argint 5; 2 sections; astronomy, f. 1908; seismology, f. 1935; Dir. Acad. G. Demetrescu; publ. *Buletin Seismic, Studii şi Cercetări de Astronomie şi Seismologie* (Studies and Researches of Astronomy and Seismology).

Section of Chemical Sciences:

Centrul de Cercetări Chimice (*Chemical Research Centre*): Bucharest, Spl. Independenţei 89; Dir. Acad. C. D. Neniţescu.

Institutul de Chimie (*Institute of Chemistry*): Cluj, Str. Donath 59-65. Acad. Raluca Ripan.

Institutul de Chimie "Petru Poni" (*Institute of Chemistry*): Iaşi, Aleea Grigore Ghica Vodă 41a; Dir. Prof. Ilie Matei.

Sectia de Chimie (*Section of Chemistry*): Timişoara, 6 str. I. Pelkis; Dir. Prof. Dr. C. Drăgulescu.

Section of Technical Sciences:

Centrul de Cercetări Tehnice (*Technical Research Centre*): Timişoara, Mihai Viteazul 24; Dir. Prof. Acad. Cornel Mikloşi.

Institutul de Energetică (*Research Institute for Power-Engineering*): Bucharest, Şos. Vitan 236; f. 1948; Dir. Prof. dr.eng. Remus Rădulet; researches in electrical and heat engineering, liquid gaseous and solid fuel combustion, utilisation of various energy resources and general problems of power engineering.

Institutul de Mecanică Aplicată "Traian Vuia" (*Traian Vuia Institute of Applied Mechanics*): Bucharest, Str. Const. Mille 15; Dir. Acad. Elie Carafoli. Divisions of aeromechanics, hydro-mechanics, etc., library 11,000 books, 1,000 periodicals; publ. *Studii şi Cercetări de mecanica applicată* (summaries in foreign languages—quarterly).

Section of Biology and Agronomical Sciences:

Institutul de Cercetări Biologice (*Biological Research Institute*): Bucharest, Str. Lt. Lemnea 16; Dir. Prof. N. Salageanu.

Institutul de Biochemie (*Institute of Biochemistry*): Bucharest, Str. Popovici 20; Dir. Acad. E. Macovschi.

Institutul de Spelologie "Emil Racoviţă" (*Institute of Speleology*): Bucharest, Str. Capşa 8; Dir. Prof. C. Motaş.

Centrul de Cercetari Biologice (*Biological Research Centre*): Cluj, Str. Republicii 9; Dir. Acad. E. Pora.

Colectivul "Ampelografia R.P.R." (*The Rumanian People's Republic Ampelography Group*); Bucharest, B.-dul Marasti 61; Dir. Prof. T. Bordeianu.

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Colectivul "Pomologia R.P.R." (*The Rumanian People's Republic Pomology Group*): Bucharest, Bd. Mărăşti 61; Dir. Prof. TH. BORDEIANU.

Collectivu de Pedologie (*Pedology Group*): Bucharest, Şoseaua Kiseleff 55; Dir. Prof. N. CERNESCU.

Section of Geology and Geography:

Institutul de Geologie şi Geografie (*Institute of Geology and Geography*): Bucharest, Dr. Burghele 1-3; Dir. Prof. SABA STEFANESCZ; Scientific Secretary Prof. CONSTANTIN HERBST.

Section of Medical Sciences:

Centrul de Antropologie (*Anthropological Research Group*): Bucharest, 8 Str. Petru Groza; a department of the "C.I. Parhon" Institute of Endocrinology; Dir. Acad. STEFAN MILCU.

Colectivul de Chimie-Terapie (*Chemical Therapy Research Group*): Bucharest, B.-dul Dr. Petru Groza 8; Dir. Prof. S. DERIU.

Colectivul de Embriologie Experimentală (*Experimental Embriology Research Group*): Timişoara 2 str. Mihai Viteazul; Dir. Prof. B. MEKES.

Colectivul de Microbiologie (*Microbiology Research Group*): Bucharest, Spl. Independenţei 103; f. 1921; a department of the Inframicrobiology Institute; Dir. Acad. Prof. Dr. C. IONESCU-MIHĂIEŞTI; publ. *Archives roumaines de pathologie experimentale et de microbiologie* (tri-monthly).

Colectivul de Oncologie (*Oncology Research Group*): Bucharest, Bul. 1 Mai 11; a department of the Inframicrobiology Institute; institute for experimental and clinical research in etiopathogeny; prophylaxy and cancer; Dir. Acad. V. MÎRZA.

Colectivul de Parasitologie (*Parasitology Research Group*): Bucharest, Spl. Independenţei 103; a department of the Inframicrobiology Institute; Dir. Acad. M. CIUCĂ.

Colectivul Dermato-venerologie (*Research Group for Dermatology and Venereal Diseases*): Bucharest, Şos. Stefan cel Mare 89; a department of the Institute of Therapeutics; Dir. Acad. ST. GH. NICOLAU.

Colectivul Medical (*Medical Research Group*): Tîrgu Mureş, Str. Universităţii 38; Dir. Acad. D. MISKOLCZY.

Institutul de Cercetări Medicale (*Institute of Medical Research*): Cluj, Str. Mico 1; Dir. Acad. A. MOGA.

Institutul de Cercetări Medicale (*Institute of Medical Research*): Iaşi, Str. Filimon Sîrbu 7; Dir. Acad. I. NIŢULESCU.

Institutul de Endocrinologie "Prof. C. I. Parhon" (*"Prof. C. I. Parhon" Institute of Endocrinology*): Bucharest, Bul. Gen. Aviatorilor 34; Dir. Acad. STEFAN MILCU.

Institutul de Fiziologie Normală şi Patologică "D. Danielopolu" (*"D. Danielopolu" Institute of Normal and Pathological Physiology*): Bucharest, Bul. 1 Mai 11; Dir. Acad. GR. BENETATO.

Institutul de Inframicrobiologie (*Institute of Inframicrobiology*): Bucharest, Str. Dumbrava Roşie 23; Dir. Acad. ST. S. NICOLAU.

Institutul de Medecină Internă (*Institute of Internal Medicine*): Bucharest, Şos. Stefan cel Mare 89; Dir. Acad. N. GH. LUPU.

Institutul de Neurologie (*Institute of Neurology*): Bucharest, Str. Povernei 42; Dir. Acad. A. KREINDLER.

Institutul de Terapeutică (*Institute of Therapeutics*): Bucharest, Şos. Ştefan cel Mare 89; Dir. Acad. N. GH. LUPU.

Secţia de Chirurgie (*Section of Surgery*): Bucharest, 1 Bd. 1848; a department of the Institute of Therapeutics.

Secţia Medicină Internă I (*First Section of Internal Medicine*): Bucharest, Şos. Stefan cel Mare 89; a department of the Institute of Therapeutics; Dir. Acad. N. GH. LUPU.

Secţia Medicină Internă II (*Second Section of Internal Medicine*): Bucharest, Str. Hatmanul Arbore, Spitalul I. C. Frimu; a department of the Institute of Therapeutics; Dir. Prof. S. IAGNOV.

Section of Economic, Philosophical and Juridical Sciences:

Colectivul de Drept Vechi Romînesc (*Old Rumanian Law Research Group*): Bucharest, Piaţa Kuibîşev 9; Dir. Acad. ANDREI RĂDULESCU.

Institutul de Cercetări Economice (*Institute of Economic Research*): Bucharest, Bul. Ana Ipătescu 50; Dir. Prof. ROMAN MOLDOVAN.

Institutul de Cercetari Juridice (*Institute of Juridical Research*): Bucharest, Bul. 6 Martie 33-35; Dir. Prof. Tr. IONAŞCU.

Institutul de Filozofie (*Institute of Philosophy*): Bucharest, Şos. Ilie Pintilie 6; Dir. Acad. C. I. GULIAN.

Institutul de Psihologie (*Institute of Psychology*): Bucharest, Str. Frumoasă 26; Dir. Acad. M. RALEA.

Secţia de Cercetări Economice (*Section of Economic Research*): Cluj, Str. Pavlov 27; Dir. Prof. COHN HILLEL.

Colectivul de Cercetări Economice: Iaşi; Dir. Prof. D. RUSU.

Section of Historical Sciences:

Institutul de Arheologie (*Institute of Archæology of the Academia R.P.R.*): Bucharest, Str. I. C. Frimu 11; f. 1864; Acad. EMIL CONDURACHI.

Institutul de Istorie (*Institute of History*): Bucharest, Bul. Gen. Stalin 1; Dir. Acad. A. OŢETEA.

Institutul de Istorie şi Filozofie (*Institute of History and Philosophy*): Cluj, Str. Emil Isac 2; Dir. Acad. C. DAICOVICIU.

Section of Language, Literature and Arts:

Institutul de Istoria Artei (*Institute of the History of Art*): Bucharest, Calea Victoriei; f. 1949; Dir. Acad. G. OPRESCU.

Institutul de Istorie Literara şi Folclor (*Institute of the History of Literature and Folklore*): Bucharest, B-dul. Republicii 73; Dir. Acad. G. CĂLINESCU.

Institutul de Istorie şi Filologie (*Institute of History and Philology*): Iasi, Str. Filimon Sîrbu 7; Dir. Prof. VALERIAN POPOVICI.

Institutul de Lingvistica (*Institute of Linguistic)s:* Bucharest, Calea Victoriei 194; Dir. Academician Prof. JORGU IORDAN.

Institutul de Lingvistica (*Institute of Linguistics*): Cluj, Str. Emil Racoviţă 21; f. 1920 as Muzeul Limbii Romîne; name changed 1950; Dir. Academician Prof. EMIL PETROVICI.

Secţia de Artă (*Section of Arts*): Cluj, Str. Emil Isac 2; Dir. Prof. VIRGIL VĂTĂŞANU.

Secţia de Istorie Literară (*Section of Literary History*): Iaşi, Str. Filimon Sîrbu 7; a department of the Institute of History and Philology; Dir. Prof NICOLAE I. POPA.

Secţia de Lingvistica (*Section of Linguistics*): Iaşi, Str. Filimon Sîrbu 7; a department of the Institute of History and Philology; Dir. Prof. G. ISTRATE.

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LEARNED SOCIETIES

P.E.N. Club: Bucharest, Intrarea Dr. Marcovici 9; Pres. VICTOR EFTIMIU.

Societatea de Chimie din România (*Chemical Society*). Bucharest, Spl. Independenţei 89; f. 1919; Pres. Prof; Dr. N. T. DELEANU; Gen. Sec. Prof. Dr. E. ANGELESCU; publ. *Buletinul Societaţii de Chimie din România*, half-yearly.

Societatea de Ştiinţe Istorice şi Filologice din R.P.R. (*Society of Historical and Philological Sciences of the R.P.R.*): Bucharest, Bul. Aviatorilor Nr. 1; f. 1949; Chair. Acad. Univ. Prof. PETRE CONSTANTINESCUI-IAŞI.

Societatea de Ştiinţe Matematice şi Fizice din R.P.R. (*Society of Mathematical and Physical Sciences of the R.P.R.*): Bucharest, Strada Academiei 14; f. 1949; Pres. GRIGORE MOISIL; publ. *Le Bulletin Mathématique.*

Societatea de Stiinţe Medicale din Timişoara (*Timisoara Society of Medical Science*): Timişoara; f. 1949; Pres. Prof. Dr. GRIGORE BENETATO.

Societatea de Ştiinţe Naturale şi Geografie din R.P.R. (*Society of Natural Sciences and Geography of the R.P.R.*): Bucharest, Bd. Schitu Magureanu No. 9; Chair. NICOLAE SĂLĂGEANU; Sec. OCTAV MUNTEANU.

Societatea Numismatică (*Numismatic Society*): Bucharest, str. Stupinei 39; Pres. Acad. EM. CONDURACHI.

Society for the Dissemination of Science and Culture: Bucharest, 5-7 Biserica Amzei Street; f. 1949; publ. *Science and Technics* (monthly).

Society of Medical Sciences of the R.P.R.: Str. Progresului 8-10, Bucharest.

Uniunea Compozitorilor din R.P.R. (*Composers' Union of the Rumanian People's Republic*): Bucharest, Calea Victorei, 141; f. 1949; Chair. ION DUMITRESCU; publ. *Muzika.*

Uniunea Scriitorilor din Republica Populară Romînă (*Writers' Union of the Rumanian People's Republic*): Bucharest, Şos. Kiseleff 10; f. 1949; Pres. MIHAI BENIUC; First Sec. MIHAI BENIUC; publ. *Gazeta Literară, Luceafărul.*

RESEARCH INSTITUTES

(see also under Academy of Sciences)

Agigea Marine Zoological Station "Prof. Ioan Borcea": Constantza; f. 1926; under the direction of Iaşi University; research on marine life of the Black Sea; 12 research laboratories; library of 12,000 vols.; 170 periodicals received on an exchange basis from biological institutes throughout the world; museum of marine biology; Dir. Prof. Dr. S. CĂRĂUŞU.

Comitetul Geologic (*Institute of Geology*): Bucharest, Sos. Kiseleff 55; f. 1960; museum and library; Dir. Pres. Prof. AL. CODARCEA; publs. *Anuarul, Memorii, Comptes Rendus des séances, Studii tehnice şi economice*, maps.

Comitetul Pentru Noua (*Committee for New Technology*): Bucharest; f. 1961; Dir. Prof. NADASAN.

Direcţia Centrală de Statistica (*Central Statistical Directorate*): Bucarest Str. Stavropoleos 6; f. 1859; Dir.-Gen. Prof. M. LEVENTE; publs. *Anuarul Statistic RPR, Breviarul Statistical R.P.R., Revista de Statistica.*

Institutul Botanic (*Institute of Botany*): Cluj University; f. 1872; re-organised 1919; Dir. Prof. AL BORZA; publ. *Buletinul Gradinii Botanice şi al Muşeuliu Botanic dela Universitatea din Cluj* (quarterly).

Institutul de Anatomie-Patologică "Dr. V. Babes" (*"Dr. V. Babes" Institute of Pathological Anatomy*): Bucharest, Splaiul Independenţei 97-101, raion Lenin; f. 1887; Dir. Prof. Dr. E. CRACIUM; sections of experimental pathology, pathological chemistry, pathological anatomy, tissue cultures, physiological pathology, infracytology, histochemistry, experimental oncology; publ. *Revista de Morfologie Normală si Patologica.*

Institutul de Biochimie (*Institute of Biochemistry*): Cluj, Str. Pasteur 6; Dir. Prof. J. MANTA.

Institutul de Cercetări Zootehnice (*Zootechnic Research Institute*): Str. Dr. Staicovici nr. 63, Bucharest; f. 1926 and attached to the Department of Agriculture; conducts research in the field of animal husbandry; Dir. MIHAI STEFĂNESCU; publs. *Scientific Work of the Zootechnic Research Institute*, 19 vols. (research papers).

Institutul de Chimie Industrială al Universităţii din Bucureşti (*Institute of Industrial Chemistry of the University of Bucharest*): Bucharest, Calea Moşilor 132; f. 1920; Dir. Prof. Ing. N. DĂNĂILĂ.

Institutul de Fizica teoretică şi aplicată (*Institute of Theoretical and Applied Physics*): Cluj University; f. 1920; Dir. Prof. A. MAIOR.

Institutul de Geografie al Universitaţii "V. Babes" din Cluj (*Institute of Geography of the University of Cluj*): Cluj; f. 1919; Dir. Prof. Dr. T. MORARIU; publ. *Travaux de L'Institut de Geographie de L'Universite de Cluj.*

Institutul de Geologie şi Paleontologie (*Institute of Geology and Palæontology*): Cluj University; f. 1918; Dir. Prof. O. PROTESCU; publ. *Revista.*

Institutul de Histologie (*Institute of Histology*): Cluj, Str. Pasteur 6; Dir. Prof. Dr. C. CZISAN.

Institutul de Igienă şi Sănătate Publică (*Institute of Hygiene and Public Health*): Bucharest 15, 1-3 Dr. Leonte Str.; brs. at Cluj, Iaşi and Timişoara; Dir. Prof. Dr. I. ARDELEAN.

Institutul de Istoria Medicinii (*Institute of Medical History*): Cluj, Str. Pasteur 6; f. 1921; Dir. Prof. Dr. VALERIU BOLOGA; a museum of the history of pharmacy is attached to the Institute; Library, 30,000 vols.

Institutul de Psihologie Experimentală (*Institute of Experimental Psychology*): Cluj, Str. Regală 37; f. 1922; Dir. FLORIAN STEFĂNESCU-GOANGĂ; publs. *Revista de Psihologie* (quarterly), *Studi şi Cercetări Psihologice.*

Institutul de Ştiinţe Pedagogice (*Institute of Pedagogical Science (Research)*): Bucharest, Casa Scînteii-Piaţa Scînteii 7; Dir. STANCIU STOIAN.

Institutul de Studii Clasice (*Institute for Classical Studies*): Cluj; Dir. Prof. C. DAICOVICI.

Institutul de Studii şi Cercetări Balcanice (*Institute for Balkan Studies and Research*): Bucharest, Str. Nicolae Iorga 21; Dir. V. V. PAPACOSTEA.

Institutul de Cercetări Ştiintifice Medico-Judiciare "Prof. Mina Minovici" (*"Prof. Mina Minovici" Medico-Legal Institute*): Bucharest, Str. Căuzaşi 9; f. 1892; Dir. Dr. I. MORARU.

Institutul Meteorologic (*Central Meteorological Institute*): Bucharest, Bul. Gen. Magheru 6-8; f. 1884; under the State Committee for Waters; Dir. I. MOTRONEA; publs. daily and monthly weather reports, *Memorii si Studi, Meteorologia, Hidrologia si Gospodărirea Apelor* (Meteorology, Hydrology and Water Economics), *Anaurul Aerologic.*

Institutul Mineralogie şi Petrographie (*Institute of Mineralogy and Petrography*): Cluj University; f. 1919; Dir. Prof. Dr. VICTOR STANCIU.

Institutul Pentru Perfecţionarea Cadrelor Didactice (*Institute for the Advancement of Teachers*): Bucharest, Str. Spiru Haret 11; Dir. CONSTANTIN BENDER.

Institutul Romanesc de Organizare Stiinţifica a Muncii (*Institute of Labour*): Bucharest, Str. Al. Lahovary 27; f. 1927; Sec.-Gen. P. P. DULFU.

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Institutul Romin pentru Relatiile Culturale cu Strainatatea (*Rumanian Institute for Cultural Relations with Foreign Countries*): Bucharest, Bul. Dacia 35; Chair. MIHAI RALEA.

LIBRARIES

Arhivele Statului (*State Archives*): Bucharest, str. Archivelor 4; f. 1831; three departments: administration, State documents, juridical documents; contains a museum f. 1926; Gen. Dir. AURELIAN SACERDOȚEANU.

Biblioteca Academiei Republicii Populare Romine: Bucharest, Calea Victoriei 125; f. 1867; 3,800,000 vols.; special collections include manuscripts, maps engravings, old Rumanian, Slavonic and Greek documents, medals and coins; Dir.-Gen. Academician TUDOR VIANU; publ. *Studii si Cercetări de Bibliologie.*

Biblioteca Centrală a Institutului Medico-Farmaceutic (*Central Library of the Medical and Pharmaceutical Institute*): Bucharest, Bulev. Dr. Petru Groza 8; f. 1857; 954.783 books and journals.

Biblioteca Centrală a Universitara Iași: Iași, Str. Păcurari 4; f. 1835; 1,050,000 books and periodicals; incunabula, MSS.; Dir. B. IRION.

Biblioteca Centrală de Stat: (*Central State Library*): Bucharest, str. Ion Ghica 4; f. 1955; 2,138,114 books, 1,413,139 periodicals; important collections of MSS., musical works, photographs and maps. The library acts as the Central Stationery Office, the National Exchange centre for books, and issues the current National Bibliography.

Biblioteca Centrală Universitara: Bucharest, Piața Republicii; f. 1891, reorganised 1948; 1,011,755 vols.; incorporating eight faculty libraries and 17 institute and specialised libraries, a students' and professors' reading library; Dir. Prof. V. SUCIU.

Biblioteca Comitetului de Stat al Planificarii (*Library of the State Committee of Planning*): Bucharest, Cal. Victoriei nr. 152; 121,773 vols. mainly on economic sciences, politics, natural sciences.

Biblioteca Documentara Teleki (*Teleki Library*): Tirgu-Mureș, Str. Stefan cel. Mare 13; f. 1802 by the Chancellor Samuel Teleki; 51,985 vols., representative books of the 16th, 17th and 18th centuries, including incunabula and MSS.; Librarians L. FIKK, I. KONYA, A. BUSTYA.

Biblioteca Institutului de Cercetări Agronomice al Academiei R.P.R. (*Library of the Institute of Agricultural Research of the Academy of R.P.R.*): Bucharest, Bul. Marăsti 61; f. 1928; 208,346 books and periodicals; Dir. Ing. C. I. MILICĂ.

Biblioteca Institutului de Documentare Tehnica (*Library of the Institute for Technical Documentation*): I.D.T., Bucharest, Str. V. Kuibisev nr. 27-29; 280,769 vols. and periodicals.

Biblioteca Institutului de Stiinte Economice "V. I. Lenin": Bucharest, Str. Căderea Bastiliei 2; f. 1913; 326,054 vols.; special collection in economic sciences.

Biblioteca Regionala T.G. Mureș (*Regional Public Library*): Tirgu-Mureș, Str. Enescu 2; f. 1913; 189,096 vols., mainly modern Hungarian books; Librarian CHARLES VIGH.

Biblioteca Muzeului Brukenthal: Sibiu, Piața Republicii 3; f. by Samuel de Brukenthal (1721-1803), Governor of Transylvania; 230,479 vols., mainly scientific books, among them 362 incunabula; is now the property of the State; Dir. Prof. NICOLAE LUPU.

Biblioteca raională Sibiu (*District Library*): Sibiu, Str. Barit 5; f. 1861; 214,347 books and periodicals.

Biblioteca Centrală Universitara Cluj: Cluj, Str. Miko 2; f. 1872; 1,885,120 vols.; depts. of old Rumanian prints, art, archaeology, maps, MSS., incunabula and music.

Brasov Regional Library: Brasov; f. 1930; 1,270,000 vols.; MSS.

Central University Library: Cluj, str. Miko 2; f. 1859; more than 1,000,000 vols.; MSS.; incunabula, prints, coins, musical scores.

Colegiul Reformat (*Calvinist College Library*): Tîrgu-Mureș; f. 1557; ancient Hungarian books, MSS. and incunabula; Librarian BENEDICT KOVÁTS.

Library of the V. I. Lenin Institute of Economic Sciences: Bucharest, str. Caderea Bastiliei 2; f. 1913; about 400,000 vols.

Oradea Regional Library: Piața Malinovski 3, Oradea; f. 1882; 235,000 vols.

Timișoara Regional Library: Piața Libertatii 3, Timișoara; f. 1909; 142,000 vols.; MSS.

The "V. A. Urechе" Regional Library: Bdul. Republicii, Galați; f. 1890; 100,000 vols.; 5,000 prints, incunabula.

MUSEUMS AND ART GALLERIES

Alba Julia Regional Museum: 2 Engels Str., Alba Julia; exhibits relating to archeology, history, numismatics and natural history; publ. *Cercetări Istorice.*

Arad Regional Museum: Arad, Piata Xenopol 1; historical and ethnographical exhibits relating to the Arad region; also a rich collection of Hungarian works of art of the 18th, 19th and 20th centuries, as well as Rumanian classical and contemporary art; there are numerous exhibits of the 1948 revolution in Transylvania.

Archeological Institute Museum of the R.P.R.'s Academy: Bucharest, I.C. Frimu II.

Art Museum of the R.P.R.: Bucharest, 53-59, Calea Victoriei; consists of four sections; (i) the National Gallery containing national, classical, modern and contemporary works of art; (ii) the Universal Gallery, containing Western art, Russian and Soviet art, and the decorative arts; (iii) Feudal Rumanian art; (iv) Graphic art and prints; Dir. M. H. MAXY.

Bruckenthal Museum: Sibiu, Str. Republica 3; f. 1815; archæology, history, ethnography, European paintings 16th-18th centuries; library, 300,000 vols. Since 1957 the National History Museum of I. Kossuth Street has been affiliated; contains large collection of flora and fauna; Dir. N. LUPU.

Central Army Museum: 137 Izvor Str., Bucharest; contains a rich collection of materials dealing with the history of the army; displays of documents, photographs, weapons, costumes, medals.

Cluj Art Museum: Cluj, 30 Piata Libertății; f. 1952; collections of Rumanian and Hungarian classical and contemporary plastic art; houses some of the most important collections in Transylvania.

Collection "Misu Weinberg": Bucharest, Str. Alex. Sahia 16; contemporary Rumanian painting.

Collection Ion "Minulescu": Bucharest, Bd. Gh. Marinescu 19; collection of the poet Ion Minulescu.

Constanta Archeological Museum: Constanta; exhibits relating to the prehistory and archaeology of the region.

Craiova Regional Museum: Craiova; art gallery and exhibits of the history and natural history of the region.

Deva Regional Museum: Deva, 3 Piata Darvari; exhibits relating to the archæology, history, natural history and ethnography of the region.

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Dr. Dona Collection: Bucharest, Str. Genera Dona 12; Rumanian and foreign paintings and sculptures; classical works of Ion Andreescu, Nicolae Grigorescu, S. Lukian; modern works of Petrașcu, Pissaro, Laurencin, Morisot; wooden and silver icons; Dir. L. DONA.

Energetics and Electrical Museum: Bucharest, Parcul Libertății nr. 1; f. 1909; exhibits connected with mechanics, electricity, heat, hydraulics; includes the "Vuia" hall.

Ethnographical Museum of Transylvania: Cluj, Parcul Public Nr. 1; f. 1922; over 50,000 exhibits, with special emphasis on north-western Rumania; also section on primitive peoples from all over the world; library and valuable collection of archives; the **Ethnographical Park** (f. 1929), the first open-air museum in Rumania is a special section of the Ethnographic Museum and displays the larger exhibits; Dir. Prof. Dr. TEODOR ONISOR.

Feudal Art Museum of the R.P.R. Academy: Bucharest, Str. Dr. Minovici 3; collection of decorative art XV-XVII centuries; Dir. D. F. MINOVICI.

Galați Regional Museum: Galati, Casa Al. I. Cuza; exhibits relating to the history and natural history of the region.

Gheorghe Tătărescu Museum: Bucharest, 7 Domnita Anastasia str.; memorial museum containing collections of the painter Gheorghe Tătărescu.

Historical and Archeological Museum of Bucharest: Bucharest, 2 Bld. 1848; collections representing the most important moments in the history of the capital, documents, works of art, etc.

Iași Art Museum: Iași, Malinowski str.; special collection of Moldavian art and other collections of classical and contemporary paintings and sculptures.

"Iron Gates" Museum: Turnu Severin; natural history and archaeology.

V. I. Lenin Museum: Bucharest; f. 1955; exhibits include over 1,000 paintings, photographs, manuscripts and books in facsimile illustrating the life of Lenin; films relating to the history of the Communist Party of the Soviet Union are shown in the Museum's cinema.

Dr. Minovici Museum: Bucharest, Str. Dr. Minovici No. 1; ethnographical collections.

Mogosoaia Brîcoveanu's Art Museum: Mogosoaia; a branch of the R.P.R.'s Art Museum; Rumanian works of art.

Moldavian Ethnographical Museum: Iași, Palatul Culturii; f. 1943; historical and ethnographical collections relating to the region; the building itself ranks among the country's historical monuments.

Muzeul Ardelean: Cluj, Str. Kogălniceanu 8; f. 1856; antiquities, mineralogy, botany, and zoology; Dir. ALEX. TAVASSY.

Museum "Cornel Medrea": Bucharest, Str. Gl. Budisteanu 16; collection of sculptures by Cornel Medrea.

Museum of Experimental Sciences: Bucharest, 21 Bd. Ana Ipătescu; celestial phenomena.

Muzeul Comisiunei monumentelor istorice: Bucharest, Strada General Berthelot 28.

Muzeul de Artă și Archeologie: Bucharest, Șoseaua Kisseleff 3; f. 1912; Dir. Prof. I. OPRESCU.

Muzeul Kalinderu: Bucharest, Str. Prof. V. Sion 2; f. 1913.

Muzeul Militar: Bucharest, Parcul Carol.

Muzeul National de Istorie Naturala "Grigore Antipa": Bucharest II, Șoseaua Kisseleff 1; f. 1834; Dir. Prof. VARO IONESCU.

Muzeul, Pinacoteca și Cliptoteca Alex. Aman: Craiova, Str. Kogălniceznu 9; f. 1907; Dir. ELENA FARAGO.

Muzeul regional Oltenia: Craiova; f. 1914; Dir. Dr. NICOLAESCU-PLOPȘOR.

Muzeul Săsesc: Brasov, Calea Victoriei 39; f. 1908; Dir. Dr. E. JEKELIUS.

Muzeul și Biblioteca Pedagogica a Casei Scoalelor: Bucharest, Str. General Berthelot 30; f. 1909.

Muzeul Simu: Bucharest, Bul. Gen. Magheru 9; f. 1910; collections of national and foreign paintings and sculptures; Dir. MARIUS BUNESCU.

Muzeul Theodor Aman: Bucharest, Str. C. A. Rosetti 8; f. 1905; collection of paintings by Th. Aman; Dir. AL. MOSCU.

Muzeul Toma Stelian: Bucharest, Șoseaua Kisseleff 8; f. 1925; fine arts; Dir. Prof. G. OPRESCU.

Muzeul Zambaccian: Bucharest, Str. Muzeul Zambaccian 21; f. 1947; classical and contemporary Rumanian painters.

National Antiquities Museum: Bucharest, Str. I. C. Frimu 11; f. 1864; collections on prehistoric man, culture of the Dacians, Greek-Roman life and pre-feudal collections; Dir. Acad. EMIL CONDURACHI.

The Natural History Museum: Sibiu, Str. Kossuth 1; it has one of the richest collections of zoological and botanical exhibits in Rumania; exhibits of universal fauna and flora.

Oradea District Museum: Oradea; exhibits relating to the ethnography and history of the region.

Petroleum Museum: Ploesti; exhibits relating to petroleum working and history of refineries.

Pinacoteca Municipului București: Bucharest, Bul. Ana Ipătescu 21; f. 1933; Dir. TEODOR BUICĂ.

Ploesti Art Museum: Ploesti, Str. Krupskaya 24; collections of the classical and contemporary plastic art of Rumania.

Ploesti History Museum: Ploesti, Str. Balcescu 25; history and folk art collections.

Popular Art Museum of the R.P.R.: Bucharest, Calea Victoriei 107; an ethnographic museum portraying national and folk art, it contains collections showing types of housing, clothing, occupations, trades, customs, etc. It contains a permanent historical record of folk art; special exhibitions, lectures; research work is carried out here as well as the publication of pamphlets and periodicals and the acquisition of works of art; Dir. T. BĂNĂȚEANU.

Rumanian Folk Art Museum: Calea Victoriei nr. 107, Bucharest; more than 27,000 exhibits taken from the whole country.

Sf. Gheorghe Regional Museum: Sf. Gheorghe; archæological, ethnographical and natural history exhibits.

Sighișoara Regional Museum: Sighișoara, Maior Isacov Str.; exhibits relating to the history of Sighișoara and region.

Slătineanu Collection: Bucharest, Str. Dr. Obedenaru 3; Rumanian and foreign plastic art, including an important collection of ceramics.

Fr. Storck a Cecilia Cutescu Storck Museum of Art: Bucharest, Str. Vasile Alexandri 16; the sculptures and other works of Karl Storck, his wife and two sons; housed in their studio; also their own art collections.

Suceava Regional Museum: Suceava Str. 6 Noembrie 4; exhibits relating to the history and natural history of the region.

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Timişoara Regional Museum: Timişoara, Castelul Hunyadi; important archæological, natural history, ethnographic and plastic art collections relating to the region; the art gallery also shows collections of Western art.

Tirgu-Mureş Art Museum: Tirgu-Mureş, Piaţa Eroilor Sovietici 1; two galleries of Hungarian art of the 19th and 20th centuries and Rumanian contemporary art.

Turda Regional Museum: Turda, Palatul Banffi; historical and ethnographical exhibits.

Village Museum: Bucharest, Şoseaua Kisseleff 20; an ethnographic open-air museum, containing exhibits of folk art, including architecture, interiors of country dwelling houses, with farm buildings, technical machinery, etc., total of about 11,000 pieces.

UNIVERSITIES AND COLLEGES

UNIVERSITATEA BUCUREŞTI

BUCHAREST, BULEVARDUL 6 MARTIE 64

Telephone: 160187

Founded 1864

Rector: Gheorghe Mihoc.
Pro-Rectors: Miltiade Filipescu, Alexandru Balaci, Haralambie Niculescu.
Registrar: Mihai Serbanescu.
Librarian: Mircea Tomescu.

Number of teachers: 1,209.
Number of students: 11,200.

Deans:

Faculty of Philosophy: Prof. Tudor Bugnariu.
Faculty of History: Prof. Gheorghe Stefan.
Faculty of Philology: Prof. Boris Cazacu.
Faculty of Law: Prof. Grigore Rîpeanu.
Faculty of Mathematics and Mechanics: Prof. Nicolae Teodorescu.
Faculty of Physics: Prof. Gheorghe Brătescu.
Faculty of Chemistry: Prof. Eugen Angelescu.
Faculty of Natural Sciences: Prof. Nicolae Botnariuc.
Faculty of Geology and Geography: Prof. Grigore Răileanu.

Professors:

Faculty of Philosophy:
Banu, Ion (History of Philosophy).
Borgeanu, Constantin (Dialectical and Historical Materialism).
Bugnariu, Theodor (Dialectical and Historical Materialism).
Dinu, Vasile (Scientific Socialism).
Ionescu-Gulian, Constantin (History of Philosophy).
Joja, Athanase (Logic).
Nicuţă, Constantin (Dialectical and Historical Materialism).
Pop, Simion (Economics).
Ralea, Mihail (Psychology).
Stanciu, Stoian (Pedagogy).
Zapan, Gheorghe.

Faculty of History:
Banyai, Ladislav (Rumanian History).
Condurachi, Emil (General Ancient History).
Ionaşcu, Ion (Archivistics).
Nestor, Ion (History of the Primitive Commune and Foundations of Enthnology).
Oţetea, Andrei (General Mediæval, Modern and Contemporary History).
Pippide Dionisie (Ancient Greek History).
Sacerdoţeanu, Aurel (Archivistics).
Stefan, Gheorghe (History of Rumania).
Tudor, Dumitru (General Ancient History).
Virtosu, Emil (Cyrilic Palæontology).

Faculty of Philology:
Barbu, Nicolae (Latin).
Balaci, Alexandru (Italian Philology).
Byck, Jacques (Rumanian Language).
Cazacu, Boris (Dialectology).
Condeescu, Nicolae (French Philology).
Coteanu, Ion (Rumanian Philology).
Façou, Nina (Italian).
Frenkian, Aram (Greek).
Graur, Alexandru (Classical Philology).
Iosifescu, Silvian (Theory of Literature).
Livescu, Jean (Germanic Philology).
Macovescu, Georghe (Introduction to Literature).
Macrea, Dimitrie (Rumanian Language).
Novicov, Mihai (Russian Philology).
Pop, Mihai (Theory of Literature).
Rosetti, Alexandru (Rumanian Language).
Vianu, Tudor (World Literature).
Vitner, Ion (Rumanian Literature).

Faculty of Law:
Geamănu, Grigore (International Public Law).
Ionascu, Traian (Civil Law).
Oancea, Ion (Penal Law).
Rîpeanu, Grigore (Penal Law).
Stoenescu, Virgil (State and Administrative Law).
Takacz, Laios (International Law).
Zeno, Oprea (Labour Law).

Faculty of Mathematics and Mechanics:
Dinulescu, Nicolae (Astronomy).
Drîmbă, Constantin (Astronomy).
Froda, Alexandru (Algebra).
Galbură, Gheorghe (Algebra).
Ghika, Alexandru (Theory of Functions and Functional Analysis).
Iacob, Caius (Hydrodynamics and Theory of Elasticity).
Marinescu, Gheorghe (Higher Mathematics).
Mihăileanu, Nicolae (Geometry).
Mihoc, Gheorghe (Calculus of Probabilities).
Moisil, Grigore (Algebra).
Neculce, Mihai (Calculus of Probabilities).
Nicolescu, Miron (Differential and Integral Calculus).
Popovici, Andrei (Geometry).
Teodorescu, Nicolae (Differential Equations).
Vrînceanu, Gheorghe (Geometry and Topology).

Faculty of Physics:
Bărbulescu, Nicolae (Molecular Physics).
Brătescu, Gheorghe (Optics and Electronics in Gases).
Ciorăscu, Florin (Electricity).
Giurgea, Margareta (Spectroscopy).
Hulubei, Horia (Structure of Matter).
Ionescu, Theodor (Electricity).
Mihu, Vasile (Molecular Physics).
Nicolau, Aurel (General Physics).
Novacu, Valer (Theoretical Physics).
Petrescu, Gheorghe (Geophysics).
Sanielevici, Alexandru (Radio-Activity).
Tiţeica, Serban (Thermodynamics).

Faculty of Chemistry:
Angelescu, Eugen (Organic Chemistry).
Atanasiu, Gheorghe (General Physics).
Bărbulescu, Florica (Electrochemistry).
Isăcescu, Dumitru (Physics and Chemistry of Micromolecules).
Kahane, Arno (Advanced Mathematics).
Murgulescu, Ilie (Physical Chemistry).
Nicolescu, Ion (Technological Chemistry).
Popa, Grigore (Analytical Chemistry).
Spacu, Petre (Inorganic Chemistry).
Stan, Marta (Inorganic Chemistry).
Vasiliu, George (Organic Chemistry).

Faculty of Natural Sciences):
Antonescu, Constantin (Hydrobiology).
Botnariuc, Nikolae (Biology).
Codreanu, Radu (Zoology).
Dornescu, Teodor (Comparative Anatomy).
Dinu, Mircea (Agricultural Sciences).
Grossu, Alexandru (Zoology of Vertebrates).

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IONESCU, MIHAI (Entomology).
MACOVSCHI, EUGEN (Biochemistry).
RABEGA, CONSTANTINE (General Chemistry).
SĂLĂGEANU, NICOLAE ((Plant Physiology).
SĂVULESCU, OLGA (Phytopathology).
STAICU, IRIMIA (Agricultural Sciences).
STEOPOE, IOAN (Histology and Embryology).
VĂLUȚĂ, GHEORGHE (Agricultural Sciences).

Faculty of Geology and Geography:
CĂLINESCU, RAUL (Biogeography).
FILIPESCU, MILTIADE (Paleaontology).
GIUȘCĂ, DAN (Petrography).
IANOVICI, VIRGIL (Mineralogy).
ONCESCU, NICOLAE (Geology of R.P.R.).
RĂILEANU, GRIGORE (Geology).
SÎRBU, MARIA (Physical and Economic Geography of U.S.S.R.).

UNIVERSITATEA "BABEȘ-BOLYAI"

CLUJ

Founded 1919

Rector: Acad. Prof. CONSTANTIN DAICOVICIU.
Pro-Rectors: Prof. ALEXANDRU ROȘCA, Prof. STEFAN PETERFFY, Prof. IOAN DEMETER.
Number of students: 7,243.

DEANS:

Faculty of Mathematics and Physics: Prof. GHEORGHE PICK.
Faculty of Chemistry: Asst. Prof. EDMOND FELSZEGY.
Faculty of Natural Sciences and Geography: Prof. EUGEN PORA.
Faculty of History and Philosophy: Prof. NICOLAE LASCU.
Faculty of Philology: Prof. DIMITRIE MANEA.
Faculty of Law: Asst. Prof. VIRGIL CIMPEANU.

PROFESSORS;

Faculty of Mathematics and Physics:
CĂLUGĂRU, GHEORGHE (Theory of Real Functions).
GERGELY, EUGEN (Foundations of Geometry).
IONESCU, V. DUMITRI (Differential and Integral Calculus).
LASZLO, TIHAMER (Electronics).
MARIAN, VICTOR (General Physics).
PICK, GHEORGHE (Algebra).
POPOVICI, TIBERIU (Differential and Integral Calculus).

Faculty of Chemistry:
ALEXA, VASILE (Technological Chemistry).
CĂDARIU, IOAN (Physical Chemistry).
FELSZEGY, EDMOND (Biochemistry).
MACAROVICI, CONSTANTIN (General Chemistry).
RIPAN, RALUCA (Inorganic Chemistry).
SILBERG, ALEXANDRU (Organic Chemistry).

Faculty of Natural Sciences and Geography:
MAXIM, IOAN (Palæontology).
MORARIU, TIBERIU (Geomorphology).
PETERFFY, STEFAN (Plant Physiology).
POP, EMIL (Plant Physiology).
PORA, EUGEN (Animal and Human Physiology).
RADU, VASILE (Zoology of Invertebrates).

Faculty of History and Philosophy:
CHERESTESIU, VICTOR (History of Rumania).
DAICOVICIU, CONSTANTIN (History of Rumania).
GALL, ERNŐ (Historical Materialism).
LASCU, NICOLAE (General History).
MANEA, MIHAIL (History of Rumania).
PRODAN, DAVID (History of Rumania).
ROȘCA, D. DUMITRU (History of Philosophy).
ROZSA, EUGEN (History of Philosophy).
ZÖRGÖ, BENIAMIN (Pyschology).

Faculty of Philology:
CSEHI, IULIU (Introduction to Literature).
JACQUIER, HENRY (History of French Literature).
MANEA, DIMITRIE (Historical Grammar).
MARTON, IULIU (General Linguistics).
PERVAIN, IOSIF (History of Rumanian Literature).
PETROVICI, EMIL (Slavonic Language and Literature).
SZABO, ATTILA (Historical Grammar of the Hungarian Language).

Faculty of Law:
BIRO, LUDOVIC, (Penal Law).
CÎMPEANU, VIRGIL (Labour Law).
DEMETER, IOAN (Theory of the State and the Law).
DRĂGAN, TUDOR (State Law).
IONESCU, AURELIAN (Civil Law).
TAKACS, LUDOVIC (International Public Law).

UNIVERSITATEA "AL. I. CUZA" DIN IAȘI

IAȘI, CALEA 23 AUGUST

Founded 1860.

Rector: Prof. ION CREANGĂ.
Number of students: 5,457.

DEANS:

Faculty of Mathematics and Mechanics: GHEORGHE GHEORGHIEV.
Faculty of Physics: (Vacant).
Faculty of Chemistry: EUGEN PAPAFIL.
Faculty of Natural Science and Geography: PETRE JITARIU.
Faculty of Philology: GAVRIL ISTRATE.
Faculty of History and Philosophy: DUMITRU BERLESCU.
Faculty of Juridical Science: NICOLAE TAȚOMIR.
Faculty of Economic Sciences: (Founded October 1962).

PROFESSORS:

Faculty of Mathematics and Mechanics:
BORȘ, CONSTANTIN (General Mathematics).
CÎMPAN, FLORICA (General Mathematics).
CORDUNEANU, CONSTANTIN (General Mathematics).
CREANGĂ, IOAN (Algebra).
GRINDEI, IOAN (Mechanics).
GHEORGHIEV, GHEORGHE (Geometry).
HAIMOVICI, ADOLF (General Mathematics).
HAIMOVICI, MENDEL, (Mechanics).
LUCHIAN, TUDORA (Algebra).
MAYER, OCTAV (Geometry).
NADOLSCHI, VICTOR (Mechanics).
NEGOESCU, NICOLAE (Mathematical Analysis).
PAPUC, DAN (Geometry).
POPA, ILIE (Mathematical Analysis).
TRANDAFIR, ALEXANDRU (Algebra).

Faculty of Physics:
BURSUC, ILIE (Electricity).
GOLOVCENCO, IOAN (General Physics).
MIHUL, CONSTANTIN (General Physics).
POPP, ALEXANDRU (Electricity).
PROCUPIU, STEFAN (Electricity).
TUTOVAN, VASILE (General Physics).
VESCAN, TEOFIL (Theoretical Physics and Structure of Matter).

Faculty of Chemistry:
ABABI, VASIL (Organic Chemistry).
ARVENIEV, BORIS (Organic Chemistry).
BOGDAN, ELENA (Organic and Analytical Chemistry).
BUDEANU, CONSTANTIN (Organic Chemistry).
BUDEANU, ELENA (Organic Chemistry).
PAPAFIL, EUGEN (Physical and General Chemistry).
PAPAFIL, MARIANA (Physical and General Chemistry).
PONI, MARGARETA (Inorganic and Analytical Chemistry).
RALEA, RADU (Inorganic and Analytical Chemistry).
VĂSCĂUȚAN, ELIZA (Physical and General Chemistry).
ZUGRĂVESCU, ION (Organic Chemistry).

Faculty of Natural Science and Geography:
BURDUJA, CONSTANTIN (Botany).
CĂRĂUȘA, DUMITRI (Physiology—Biology).
CĂRĂUȘU, SERGIU (Vertebrate Zoology).
CIRDEI, FILIMON (Invertebrate Zoology).
CONSTANTINESCU, MIHAI (Invertebrate Zoology).
DOBRESCU, CONSTANTIN (Botany).
FEIDER, ZICMAN (Vertebrate Zoology).
GUGIUMAN, ION (Physical Geography).
JEANRENAUD, ELENA (Botany).
JEANRENAUD, PIERRE (Geology and Mineralogy).
JITARIU, PETRE (Physiology and Biology).
MACAROVICI, NECULAI (Geology and Mineralogy).
MARTINIUC, CONSTANTIN (Physical Geography).
NECRASOV, OLAG (Invertebrate Zoology).

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OBREJA, ALEXANDRU (Economic Geography).
PAPP, CONSTANTIN (Botany).
SANDRU, IOAN (Economic Geography).
SAVUL, MIRCEA (Geology and Mineralogy).
SFICLEA, VICTOR (Economic Geography).
SÎRCU, IOAN (Geology and Mineralogy).

Faculty of Philogy:
AGAVRILOAIE, GHEORGHE (Rumanian Language).
CIOPRAGA, CONSTANTINE (Rumanian Literature).
DIMA, ALEXANDRU (Rumanian Literature).
GAFITANU, DUMITRU (Rumanian Literature).
HAREA, VASILE (Russian Language and Literature).
ISTRATE, GAVRIL (Rumanian Language).
POPA, NICOLAE (French Language and Literature).
SIMENSCHI, TEOFIL (Rumanian Language).
ZACORDONET, ALEXANDRU (Russian Language and Literature).

Faculty of History and Philosophy:
BENDITER, JANETA (Rumanian History).
BERLESCU, DUMITRU (Universal History).
BÎRSĂNESCU, STEFAN (Pedagogics).
CHIODARU, CONSTANTIN (Rumanian History).
COSMA, VASILE (Political Economy).
DAVIDSOHN, ISAAC (Philosophy).
GĂINĂ, SILVESTRU (Pedagogics).
GOSTAR, NICOLAIE (Universal History).
LOGHIN, AUREL (Scientific Socialism).
NECULCE, VICTOR (Scientific Socialism).
NATANSOHN, IOSIF (Philosophy).
PAVELCU, VASILE (Psychology).
PETRESCU-DÎMBOVITA, MIRCEA (Rumanian History).
POPOVICI, VALERIAN (Rumanian History).
STERE, ERNEST (Philosophy).
TODOSIA, MIHAI (Political Economy).

Faculty of Juridical Science:
BENDITER, ICHIL (Law and State Theory).
BRAUNSTEIN, BERTOLD (Penal Law).
CIUREA, STELIAN (Law and State Theory).
DEMETRESCU, PAUL (Civil Law).
IAVORSCHI, IOAN (Civil Law).
MIHAI, JACOTĂ (Civil Law).
NEGRU, VASILE (Civil Law).
POPESCU, TUDOR (Civil Law).
TEODORU, GRIGORE (Penal Law).
TAȚOMIR, NICOLAE (Law and State Theory).

TIMIȘOARA UNIVERSITY

TIMIȘOARA, STR. PIRVAN 4

Founded 1962

Rector: Dr. ION CUREA.

Number of students: 800.

Faculties: Physics, Mathematics and Mechanics, Philology.

TECHNOLOGICAL COLLEGES

INSTITUTUL POLITEHNIC DIN BUCUREȘTI

BUCHAREST, CALEA GRIVITEI Nr. 132

Founded 1854

Rector: Prof. CONSTANTIN DINCULESCU.
Pro-Rectors: Conf. SUZANA GIDEA, Prof. NICULAE MARINESCU, CORNEL PENESCU.

Number of students: 7,894.

DEANS:

Faculty of Industrial Chemistry: AUREL JANU.
Faculty of Electrical Engineering: ALEXANDRU FRANSUA.
Faculty of Mechanics: LAZAR STOICESCU.
Faculty of Metallurgy: ALEXANDRU RAU.
Faculty of Electronics and Telecommunications: GHEORGHE RULEA.
Faculty of Energetics: MARIUS PREDA.
Faculty of Transport: NICOLAE MANOLESCU.
Faculty of Technical Economy: GHEORGHE GHIULAI.
Faculty of Mechanical Engineering Technology: (Vacant).

Publication: *Scientific Bulletin of the Polytechnic Institute in Bucharest* (quarterly).

INSTITUTUL POLITEHNIC DIN CLUJ

CLUJ, STR. BASTIONULUI Nr. 15

Founded 1948

Rector: ALEX. DOMSA.
Pro-Rector: BAZIL POPA.

Number of students: 1,700.

DEANS:

Faculty of Mechanics: ION LAZARESCU.
Faculty of Building: NICOLAE JUNCAN.

Publication: *Scientific Bulletin of the Polytechnic Institute Cluj* (yearly).

INSTITUTUL POLITEHNIC DIN GALATI

GALATI, BUL. REPUBLICII Nr. 111

Founded 1948

Rector: IOSIF EGRI.

Faculties: Mechanics, technology of food products and fishing techniques.

Number of students: 1,310.

INSTITUTUL POLITEHNIC DIN IAȘI

IAȘI, CALEA 23 AUGUST Nr. 13

Founded 1937

Rector: Prof. CRISTOFOR SIMIONESCU.
Pro-Rectors: Prof. TIBERIU GOLGOȚIU, Conf. GHEORGHE CAȘLER.

Number of students: 3,661.

Publ. *Bulletin* (quarterly on science and technology).

DEANS:

Faculty of Electrical Engineering: VICTOR BAUSIC.
Faculty of Mechanical Engineering: Prof. TOMA FARCAS.
Faculty of Industrial Chemistry: CONSTANTIN CALISTRU.
Faculty of Construction: Prof. AUREL CERNATESCU.
Faculty of Light Industry: Prof. DUMITRU RUSU.

INSTITUTUL POLITEHNIC DIN BRASOV

BRASOV, BDUL. I.V. STALIN Nr. 8

Founded 1948

Rector: A. HOFMAN.

There are faculties of wood industrialisation, mechanics and sylviculture.

Number of students: 2,770.

INSTITUTUL POLITEHNIC DIN TIMIȘOARA

TIMIȘOARA, BUL. 30 DECEMBRIE Nr. 2

Founded 1920

Rector: GEORGHE SILAS.

Number of students: 3,127.

DEANS:

Faculty of Electrical Engineering: TOMA DORDEA.
Faculty of Mechanics: ION ANTON.
Faculty of Industrial Chemistry: CORIOLAN DRĂGULESCU.
Faculty of Building: DAN MATEESCU.

Publication: *Technical and Scientific Bulletin of the Polytechnic Institute-Timișoara* (half-yearly).

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OTHER INSTITUTES OF HIGHER EDUCATION

Agronomic Institute "Dr. Petru Groza": Cluj, Str. Mănăştur Nr. 3; f. 1910; faculties of agriculture and zootechnics; 1,059 students; Dir. EMIL NEGRUŢIU.

Agronomic Institute "Tudor Vladimirescu": Craiova, Str. A. I. Cuza 32; f. 1948; faculties of agriculture and agricultural mechanics; 1,713 students; Dir. ALEX. BUIA.

Agronomic Institute "Ion Ionescu de la Brad": Iaşi, Aleea Mihail Sadoveanu Nr. 3; f. 1918; faculties of agriculture, horticulture, veterinary medicine; 1,598 students; Dir. C. PINTEA.

Agronomic Institute: Timişoara, Splaiul Tudor Vladimirescu 14A; f. 1941; faculties of agriculture and zootechnics; 1,007 students; Dir. G. MARTON.

Agronomic Institute "N. Balcescu": Bucharest, Bul. Mărăsti Nr. 57-59; f. 1854; faculties of agriculture, horticulture, veterinary medicine; 3,100 students; Rector EUGEN RĂDULESCU.

Building Institute: Bucharest, Bul. Tolbuhin Nr. 80; f. 1948; faculties of building, installations and equipment, hydrotechnics, roads and bridges, railway buildings; 3,756 students; Rector VASILE NICOLAU.

Fine Arts Institute "I. Andreescu": Cluj, Str. Matei Corvin Nr. 6; faculties of fine arts and decorative art; 185 students; Dir. DANIEL POPESCU.

Fine Arts Institute "N. Grigorescu": Bucharest, Str. Gl. Budişteanu Nr. 19; faculties of fine arts and decorative art; 254 students; Dir. PETRE DUMITRESCU.

Institute of Economic Sciences "V. I. Lenin": Bucharest, Piaţa M. Eminescu Nr. 6; f. 1913; faculties of political economy, finance and credit, commerce; 5,900 students; Rector MARIN LUPU.

"Ion Mincu" Institute of Architecture: Bucharest, Str. Enei Nr. 3; f. 1904; 649 students; Dir. ASCANIO DAMIAN.

Medical Institute: Iaşi; f. 1860; faculty of general medicine; 1,000 students; Rector OSCAR FRANCKE.

Medical Institute: Timişoara; f. 1945; faculty of general medicine; 1,108 students; Dir. ST. GIRBEA.

Medico-Pharmaceutical Institute: Bucharest, 37 str. Dionisie Lupu; f. 1869; faculties of general medicine, stomatology, pharmacy; 3,959 students; Rector TEODOR BURGHELE.

Medico-Pharmaceutical Institute: Cluj, Piaţa Libertatii; f. 1919; faculties of general medicine, stomatology, pharmacy; 2,312 students; Rector AUREL MOGA.

Medico-Pharmaceutical Institute: Tirgu-Mureş; f. 1945; faculties of general medicine, pharmacy, 888 students; Dir. TIBERIU ANDRASOFSCHI.

Mining Institute: Petrosani; f. 1948; faculties of mining, mining electromechanics; 1,400 students; Rector STEFAN POPA.

Music Conservatoire "Ciprian Porumbescu": Bucharest, Str. Stirbei Vodă Nr. 33; f. 1864; faculties of instrumentation, singing, composition, pedagogy; 500 students; library of 50,000 vols.; Dir. DUMITRU BOTEZ.

Music Conservatoire "Gh. Dina": Cluj, Str. Corvin; faculties in instrumentation, singing, composition, pedagogy; 319 students; Dir. MIHAIL CHIOREANU.

Music Conservatoire: Iaşi; f. 1960; faculties of instrumentation, singing; 48 students; Rector ACHIM STOIA.

Pedagogic Institute: Brasov, Str. Mihail Sadoveaunu, I; f. 1960; faculties of mathematics, physics-chemistry, natural sciences; 352 students; Dir. EUGEN CHIŞ.

Pedagogic Institute: Cluj, Str. Stefan Cel Mare, 4; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, physical culture, music; 1,269 students; Dir. ION CIOBANU.

Pedagogic Institute: Craiova, Calea Bucureşti, 256; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, history-geography; 706 students; Dir. ION CIOROIANU.

Pedagogic Institute: Galati, Str. Dobrogeanu Gherea, 27; f. 1959; faculties of philology, natural sciences, mathematics, physics-chemistry; 692 students; Dir. DAVID BUJOREANU.

Pedagogic Institute: Iaşi, Str. Mohănescu 3; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, fine arts, physical culture, music; 800 students; Dir. Prof. Dr. ILIE POPA.

Pedagogic Institute: Tîrgu-Mureş, Str. Nicolae Iorga 1; f. 1960; faculties of philology, physics-chemistry, mathematics, music; 373 students; Dir. SZILAGY MARGARETA.

Pedagogic Institute: Bucharest, Sos. Pandur Nr. 90; f. 1959; faculties of philology, mathematics, physics and chemistry, history and geography, natural sciences, fine arts, physical culture, music; 1,956 students; Rector ION LUNGU.

Pedagogic Institute: Timişoara, Str. Splaiul Tudor Vladimirescu 10; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, history-geography, fine arts, physical culture, music; 866 students; Dir. VICTOR ARDELEANU.

Pedagogic Institute "Maxim Gorki" for Russian Language and Literature: Bucharest, Str. Pitar Moşi Nr. 13; f. 1948; faculties of Russian language and literature; 1,134 students; Rector TEODOR RUDENCO.

Petroleum, Gas and Geology Institute: Bucharest, Str. Traian Vuia, Nr. 6; f. 1948; faculties of oil and gas technology, exploitation of oil and gas fields, oil industry equipment, technical geology; 1,792 students; Rector GHEORGHE BĂNĂŢEANU.

Physical Culture Institute: Bucharest, Str. Maior Ene Nr. 12; f. 1922; 925 students; Dir. ION SŞCLOVAN.

Theatre and Film Institute "I. L. Caragiale": Bucharest, Bul. Schitu Măgureanu Nr. 1; 285 students; Dir. C. ANTONIU.

Theatrical Art Institute "Szentggörgyi Istvan": Tirgu-Mureş, Str. Köteles Sámuel Nr. 6; 41 students; Dir. G. SZABO.

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RYUKYU ISLANDS

Population 883,000

(OKINAWA AND OTHER GROUPS OF N.W. PACIFIC ISLANDS)

UNIVERSITY

UNIVERSITY OF THE RYUKYUS

1, 3-CHOME, TONOKURA-CHO,
NAHA, OKINAWA
Telephone: 8-1131

Founded 1950

President: MATSUSUKE YONAMINE.
Registrar: SEIMO NAKAYAMA.
Librarian: SEIZEN NAKASONE.

Number of teachers: 168 full-time, 45 part-time.
Number of students: 2,340.
Library of 91,062 vols.

DEANS:

Faculty of Arts and Science: KOSEI AKAMINE.
Faculty of Education: YUKOU YAMADA.
Faculty of Agriculture, Home Economics and Engineering: KUNIKICHI HIGOSHI.

PROFESSORS:

ADANIYA, SEIGI (Fine Arts).
AKAMINE, KOSEI (Geography).
AKAMINE, YOSHINOBU (Law and Political Science).
ARAKAKI, GIICHI (Physics).
ASATO, HIKONORI (Education).
ASHIMINE, KINSEI (Fine Arts).
CHINZEI, TADASHIGE (Agriculture).
HIGOSHI, KUNIKICHI (Animal Husbandry).
HOKAMA, SEISHO (English Language and Literature).
KAMEGAWA, SEITO (English Language and Literature).
KOBASHIGAWA, HIROSHI (Physical Education).
KUBA, MASAHIKO (Economics).
NAKAMURA, TATSUNDO (Japanese Literature).
NAKASONE, SEIZEN (Japanese Literature).
NAKAYAMA, SEIMO (History).
ONAGA, KIMIYO (Home Economics).
ONAGA, TOSHIRO (English Language and Literature).
OYAMA, HOHYO (Forestry).
SHIMABUKURO, MATSUGORO (Mathematics).
SHIMABUKURO, SHUNICHI (Agriculture).
SHINJO, TOSHIHIKO (Law and Political Science).
SHINOGARA, SHIRO (Biology).
TAIRA, BUNTARO (English Language and Literature).
TAKARA, KIYOMATSU (Agriculture).
TAKARA, TETSUO (Agriculture).
TERUYA, SHOGI (English Language and Literature).
TOMA, SHITOKU (Chemistry).
TOMIMURA, SHINEN (History).
YAMADA, YUKOU (Education).

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SAUDI ARABIA

Population 6,000,000

LEARNED AND SCIENTIFIC SOCIETIES

Arab Archaeological Society, The: Mecca.

Society of Esaff Alkhairia: Mecca; f. 1946; Pres. H.E. Sheikh MUHAMMAD SAROUR AL-SABBAN; Hon. Sec. Sheikh AHMED SIBAI.

LIBRARIES

Abbas Kattan Library: Mecca; 7,800 vols.; 200 MSS.

Arif Hikmat Library: Medina; 1,500 vols., 4,500 MSS.

Educational Library: General Directorate of Broadcasting, Press and Publications, Jeddah.

The Home of the Book Library: Riyadh; 5,400 vols., 50 MSS.

Library of Alharam: Mecca; 6,000 vols.

Library of Islamic University: Medina.

Library of King Sa'ud University: Riyadh; 60,000 vols., 250 periodicals.

Library of Madrasat Ahl Al Hadith: Mecca.

Library of Mecca: Mecca.

Mahmoudia Library: Medina; 4,500 vols.; 500 MSS.

Ministry of Education Library: Riyadh.

The Saudi Library: Royadh; 14,800 vols., 200 MSS.

There are also public libraries at Ahsaa, Dammam, Buraida, Onaiza, Shakra, Hawdit and Sidair.

UNIVERSITIES

KING SA'UD UNIVERSITY

RIYADH

Founded 1957.

King Sa'ud inaugurated the new University, which developed from the former Riyadh Institute (f. 1951), in November 1957.

Vice-Chancellor: Dr. ABDEL AZIZ KHOWAITER (acting).

Secretary-General: ABDEL AZIZ ELKHOWEITER.

Number of teachers: 80.

Number of students: 876 internal, 365 external.

DEANS:

Faculty of Letters: M. EL-SAKKAK.

Faculty of Science: A. M. SABRI.

Faculty of Commerce: A. R. HAFEZ (acting).

Faculty of Pharmacy: M. A. EL-GHAMRAWI (acting).

ISLAMIC UNIVERSITY

MEDINA

Founded 1960

Courses in religious sciences and the Koran for students from all parts of the Arab-speaking world. In 1962 there were 512 students.

INSTITUTES OF HIGHER LEARNING

Higher Institute of Technology: Riyadh; founded 1962 with the help of the UN Special Fund; to train engineers, teachers and technicians; also to establish a technical terminology in Arabic; Depts. of Civil, Electrical and Mechanical Engineering; number of students 120.

King Abdul-Aziz Military Academy: Riyadh; f. 1955; courses given in modern languages, including English, French and Hebrew, science and military subjects.

College for the Arabic Language: Riyadh; f. 1955.

College of Islamic Jurisprudence: Mecca; f. 1942; Islamic jurisprudence and theology, Arabic, English, etc.; 250 students.

College of Islamic Jurisprudence: Riyadh.

Madrasat Ahl Al Hadith: Mecca; f. 1933; the College provides instruction in the Hadith, Koran, Fiqh, Tawheed and other Islamic religious studies; Principal Sheikh ABUSSUMH; Vice-Principal Sheikh MUHAMMAD ABDUL RAZZAQ; Sec. MUHAMMAD OMAR ABDULHADI; Treas. ISHAQ DEHLAWI.

Qadah Al-Shari'a (College of Islamic Law): Medina; training college for judges.

Saudi Arabian Institute for Higher Education: Mecca.

The Saudi College: Medina; f. 1949; courses given in modern sciences, the Koran, Arabic and English; approx. 360 students.

School of Applied Arts: Medina; f. 1955; approx. 150 students.

Teacher Training Centre: Medina; f. 1955; an evening school consisting of a three-year special course in basic education and psychology; approx. 100 students.

Teacher Training College: Medina; f. 1954.

Schools of Industrial Education: Riyadh, Jiddah, Medina and Dammam.

Institutes for Religious Teaching: Riyadh, Shaqra, Buraidah, 'Unaizah, al Majma'ah, al-Hasa and Hijaz.

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SENEGAL

Population 2,973,000

LEARNED SOCIETIES

Alliance Française: Dakar.

Centre d'Etudes et de Documentation Législatives Africaines (C.E.D.L.A.): Dakar.

U.S. Information Center: 38 avenue de la République, Dakar.

RESEARCH INSTITUTES

Centre de Géophysique: M'Bour; attached to ORSTOM; studies in magnetism, gravimetry, seismology.

Centre de Pédologie de Dakar-Hann: B.P. 1386, Dakar; studies in microbiology, chemistry, general pedology.

Centre de Recherches Agronomiques: Bambey.

Institut d'Hygiène Sociale: Dakar.

Institut Français d'Afrique Noire (*French Institute of Black Africa*): Université de Dakar, B.P. 206, Dakar; f. 1936; scientific and humanist studies of Black Africa; centres at Saint-Louis (Senegal), Bamako (Mali), Ouagadougou (Upper Volta), Abidjan (Ivory Coast), Porto-Novo (Dahomey), Niamey (Niger); Dir. Prof. THEODORE MONOD; publs. *Bulletin de l'I.F.A.N.*, Serie A—Sciences Naturelles (trimestriel), Serie B—Sciences Humaines (semestriel), *Notes Africains* (trimestriel), *Mémoires, Catalogues, Initiations Africaines, Instructions Sommaires*. For library, *see below*.

Institut de Recherches pour les Huiles Oléagineuses: branches at Louga, Tivaouane, M'Bambey.

Institut Pasteur: Dakar.

Laboratoire National de Recherches Vétérinaires: Dakar-Hann.

Organisme de Recherche sur l'Alimentation et la Nutrition Africaine: Dakar.

Station de Recherches Zootechniques du Djoloff: Dara.

LIBRARIES

Bibliothèque de l'Institut Français d'Afrique Noire (*Library of the French Institute of Black Africa*): Dakar; 44,000 vols. or brochures, 3,200 collections of periodicals, 1,600 maps and 30,000 photographs.

Bibliothèque de l'Alliance Française: Maison des Anciens Combattants, Avenue Mozart, Dakar.

Bibliothèque de l'Université: B.P. 2006, Dakar; 115,000 vols., 2,768 periodicals; Chief Librarian JEAN ROUSSET DE PINA.

MUSEUMS

Musées de l'Institut Français d'Afrique Noire:

Musée de Dakar: Dakar; ethnography.

Musée Historique: Gorée.

Musée de la Mer: Gorée.

UNIVERSITY

UNIVERSITÉ DE DAKAR
(University of Dakar)

FANN PARC

Telephone: 329-76

Rector: Prof. Dr. CLAUDE FRANCK.

Secretary-General: LÉON BRUNEL.

Number of students: 1,652 men, 354 women, total 2,006.

Publications (periodical): *Annales Africaines* (annual). *Annales de la Faculté des Sciences* (annual), *Bulletin et Mémoires de la Faculté mixte de Médecine et de Pharmacie* (annual).

DEANS:

Faculty of Law and Economic Sciences: ROGER DECOTTIGNIES.

Faculty of Medicine and Pharmacy: MAURICE PAYET.

Faculty of Science: HENRI MASSON.

Faculty of Letters and Human Sciences: PIERRE NARDIN.

PROFESSORS:

Faculty of Law and Economic Sciences:

ALLIOT, M. (History of Law).
BRUYAS, J. (Public Law).
CATALA, NICOLE (Civil Law).
CHABAS, J. (Commercial Law).
COCÂTRE-ZILGIEN, A. (Public Law).
DECOTTIGNIES, R. (Civil Law).
DUFOUR, J. (Political Economy).
GOBERT, MICHÈLE (Civil Law).
HILAIRE, J. (History of Law).
LAVROFF, DIMITRI (Public Law).
LEDUC, MICHEL (Political Economy).
PEISER, GUSTAVE (Public Law).
WADE, ABDOULAYE (Political Economy).

Faculty of Medicine and Pharmacy:

MEDICINE:

BASSET, A. (Clinical Dermatology).
CAMAIN, R. (Histology and Embryology).
CHABAL, J. (Surgical Pathology).
COLLOMB, H. (Clinical Neuro-Psychiatry).
GIONO, H. (Pharmacology).
LARIVIÈRE, M. (Parasitology).
LE CANNELIER, RICHARD (Obstetrics).
LINHARD, JACQUES (Hematology).
MASSEYEFF, RENE (Medical Biochemistry).
PAYET, M. (Clinical Medicine).
PENE, P. (Pathological Medicine).
QUERE, MAURICE (Ophthalmology).
REY, M. (Infectious Diseases).
REYNAUD, J. (Clinical Oto-Rhino-Laryngology).
RICHIR, C. (Pathological Anatomy).
SANKALE, MARC (Clinical Medicine).
SATGE, P. (Clinical Child Medicine).
SERAFINO, P. (Clinical Surgery).

PHARMACY:

ATTISSO, M. (Zoology).
CESAIRE, O. (Organic Chemistry).
DENIEL, P. L. (Pharmaceutical Physics).
KERHARO, J. (Botany).
PILLE, G. (Mineral Chemistry).

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Faculty of Science:

BOISSON, C. (Zoology).
BONNEMAN, P. (Chemistry).
BOUDET, ROGER (Chemistry).
FAURE, R. (Mathematics).
MARCHAND, H. (Differential and Integral Calculus).
MIÈGE, JACQUES (Botany).
MONOD, T. (Zoology).
RAFFIN, R. (Rational Mechanics).
ROBIN, S. (Physics).
TESSIER, F. (Geology).

Faculty of Letters and Human Sciences:

COURTES, J. (Latin).
DAVEAU, S. (Geography).
DEBIEN, G. (Modern History).
DEVISSE, J. (History of the Middle Ages).
DURAND, R. (Spanish Studies).
FOUEYEROLLAS ,M. (Social Psychology).
MANESSY, G. (African Linguistics).
MERCIER, R. (French Literature).
MONTEIL, V. (Islamic Studies).
NARDIN, P. (French Philology).
POLLET, M. (English Studies).
PELISSIER, P. (Geography).
THOMAS, L. (Sociology).

AFFILIATED INSTITUTES:

Institut d'Etudes Administratives Africaines: Dir. Prof. COCÀTRE-ZILGIEN.

Institut des Sciences Economiques et Commerciales Appliquées de l'Afrique Noire: Dir. Prof. DUFOUR.

Institut d'Etudes Islamiques: Dir. Prof. V. MONTEIL.

Institut d'Etudes Pedagogiques: Dir. Mme M. COLLOMB.

Centre de Recherches d'Etudes et de Documentation sur les Institutions et la Législation Africaines: Dir. Prof. LEVY.

Institut de Médecine Tropicale Appliquée: Dir. Prof. PAYET.

Institut Français d'Afrique Noire (*see under* Research Institutes: Dir. Prof. THEODORE MONOD.

Instituts de Préparation aux Enseignements du Second Degré: M. GODET (Science), M. MERCIER (Arts).

Institut de Pédiatrie Sociale: f. 1960; Dir. Prof. P. PENTE.

COLLEGES

Centre d'Apprentissage: Dakar, B.P. 4004, Route du Canal IV.

Collège Experimental de Formation Professionelle Rapide: Dakar, km. 2 route de Ouakam.

Conservatoire de Musique et d'Art Dramatique de Dakar: Dakar, 26 rue Raffenel, B.P. 1144.

Ecole Nationale des Cadres Ruraux: Dakar, B.P. 4004, Route du Canal IV.

Ecole Nationale des Travaux Publics: Dakar, B.P. 4004, Route du Canal IV.

Lycée Technique de Dakar: Dakar, B.P. 4004, Route du Canal IV.

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SIERRA LEONE

Population 2,680,000

LEARNED SOCIETIES

British Council, The: Tower Hill, P.O. Box 124, Freetown; Rep. J. SANDERSON; br. at Bo: Regional Dir. C. T. DE LINDE.

Sierra Leone Language Society: Freetown; to conduct research and to encourage development of native languages.

Sierra Leone Science Association: P.O. Box 422, Freetown; Hon. Sec. S. T. MATTURI, Biology Dept., Fourah Bay College, Freetown.

Sierra Leone Society: c/o Fourah Bay College, Freetown, literature, arts, music; publ. *Sierra Leone Studies*.

U.S. Information Center: 8 Trelawney Street, Freetown.

West African Science Association: University College of Sierra Leone, Freetown.

RESEARCH INSTITUTES

Fisheries Development and Research Unit: Kissy, nr. Freetown; f. 1957; responsible for research in fishing industry; possesses two 28-ft. launches and one 50-ft. boat; Scientist-in-Charge Dr. J. C. D. WATTS.

West African Rice Research Station: Rokupr; the research programme includes fundamental studies into fertility and other chemical and micro-biological problems of swamp soils, the physiology of the rice plant, and the breeding of improved strains of rice for all West African conditions; Dir. H. D. JORDAN.

LIBRARIES

Fourah Bay College Library: Freetown; 28,000 vols.; Librarian M. JOLIFFE, M.A., F.L.A.

J. J. Thomas Library: Water Street, Freetown; 19,000 vols.

Sierra Leone Library Board: P.O. Box 326, Freetown; 60,000 vols.; libraries at Freetown, Bo, Magburaka, Makeni, Port Loko, Kambia, Pujehun, Kailahun.

MUSEUM

Sierra Leone Museum: Cotton Tree Building, Westmoreland Street, Freetown; historical and ethnographical collection.

UNIVERSITY AND COLLEGES

FOURAH BAY COLLEGE
(The University College of Sierra Leone)

FREETOWN, SIERRA LEONE

Telephone: Freetown 3400-9

Telegraphic Address: Fourabay

Founded by the Church Missionary Society in 1827, it was affiliated to the University of Durham in 1876. The College received its Charter of Incorporation as the University College of Sierra Leone in 1960 and is now non-denominational.

Visitor: H.M. THE QUEEN.
President: Most Rev. and Rt. Hon. Dr. A. M. RAMSEY, P.C.
Principal: D. S. H. W. NICOL, M.A., M.D., PH.D.
Vice-Principal: A. T. PORTER, M.A., PH.D.
Registrar: M. R. O. GARBER, B.A., B.C.L., LL.B.
Bursar: H. G. HALL, F.C.W.A., F.COMM.A.
Librarian: M. JOLIFFE, M.A., F.L.A.

The library contains 40,000 vols.
Number of teachers: 82.
Number of students: 530.

DEANS:

Faculty of Arts: Rev. Canon H. A. E. SAWYERR, M.A., M.ED.
Faculty of Economics: J. H. DAVIES, M.A.
Faculty of Pure and Applied Science: A. ZULAUF, DR.RER.NAT., PH.D.

HEADS OF DEPARTMENTS:

Accounting: S. HALL, B.A., A.C.A.
Botany: J. K. MORTON, B.SC., PH.D. (Professor).
Chemistry: E. DOWNING, B.SC., PH.D.
Classics: Miss L. M. DOLPHIN, M.A.
Economics: J. H. DAVIES, M.A. (Professor).
Education: S. L. HOCKEY, M.A. (Professor).
Engineering: M. E. K. THOMAS, B.SC., PH.D.
English: T. R. M. CREIGHTON, M.A. (Professor).
Geography: J. I. CLARKE, M.A., PH.D. (Professor).
Geology: M. M. ANDERSON, B.SC.
History: A. T. PORTER, M.A., PH.D. (Professor).
Law: F. C. TUBOKU-METZGER, LL.B., LL.M.
Mathematics: A. ZULAUF, DR.RER.NAT., PH.D. (Professor).
Modern Languages: (Vacant).
Philosophy: Rev. J. P. FERGUSON, M.A.
Physics: A. E. BATE, B.SC., PH.D. (Professor).
Theology: Rev. H. A. E. SAWYERR, C.B.E., M.A., M.ED. (Professor).
Zoology: J. PHIPPS, M.SC.
African Studies: A. T. PORTER, M.A., PH.D. (Director).

Extra-Mural Studies: (Dir.—vacant).

Njala College: f. 1963; to form part of the projected University of Sierra Leone; it will undertake research, teaching and extension work; Principal Dr. S. T. MATTURI; incorporating:

Freetown Training College: Freetown; teacher training; new buildings being erected at Goderich; Principal P. G. HAMPTON, B.A., P.G.C.E., A.K.C. DIP. (LOND.).

S. B. Thomas Agricultural College: Mabang; first agricultural college in West Africa.

Teachers' Training College: Magburaka.

Technical Institute: Freetown; City and Guilds and trade courses; and commercial education and secondary technical courses.

Technical Institute: Kenema; vocational courses.

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SOMALIA

Population 1,870,000

LEARNED SOCIETIES

British Council, The: P.O. Box 262, Mogadishu; library; Regional Directorate: P.O. Box 56, Hargeisa.

La Société de Médicine de la Somalie: Mogadishu.

L'Institut Culturel et Social: Mogadishu.

Casa degli Italiani: Mogadishu; organises meetings, art exhibitions, etc.

Somaliland Society: P.O. Box 39, Hargeisa; Pres. J. J. LAWRIE; Hon. Sec. M. A. MANDANA; publ. *Somaliland Journal* (English and Arabic).

RESEARCH INSTITUTES

Society of Medicine and Tropical Hygiene: Mogadishu.

Laboratory of Hygiene and Prophylaxy: sections in medicine and chemistry.

Institute for the Preparation of Serums and Vaccines.

Istituto di Mariologia "Marchiafava".

LIBRARIES

Biblioteca del Istituto Universitario della Somalia: Mogadishu; Librarian MOHAMED KALIF SALAD.

Hargeisa Local Government Council Library: Hargeisa; f. 1958; public library.

Musée de La Garesa: Mogadishu; the largest public library in Somalia is housed here.

Secretariat Library: Hargeisa; predominantly non-fiction.

Société Dante Alighieri: Mogadishu; library of books on Italian culture.

Teachers' Library: Hargeisa; run by the Education Department.

MUSEUM

Musée de la Garesa: Mogadishu; ethnographical and natural history collections.

UNIVERSITY

ISTITUTO UNIVERSITARIO DELLA SOMALIA
(University Institute of Somalia)

C.P. 319, MOGADISHU

Founded 1954; University status 1959

Administrator: MICHELE PIRONE.

Number of teachers: 14, including 6 professors.
Number of students: 439.

DEANS:

Faculty of Law and Economics: DINO FIOROT.
Faculty of Education: DINO FIOROT.

COLLEGES

Istituto Superiore di Scienze Giuridiche, Economiche e Sociali (*Higher Institute of Juridical, Economic and Social Sciences*): 4-year course.

Istituto Superiore di Diritto ed Economia (*Higher Institute of Law and Economy*): Mogadishu; f. 1955; 3-year course.

School of Administration: Mogadishu; 1954; 3-year diploma course; 59 students.

School of Islamic Disciplines: Mogadishu; includes a faculty of law; 299 students.

École Industrielle: Mogadishu; departments of radio, carpentry, mechanics, electricity, building construction.

School of Public Health: 25 students.

School of Seamanship and Fishing: 18 students.

Teachers' Training College: 4-year course.

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SOUTH AFRICA

Population 15,841,582

LEARNED SOCIETIES AND RESEARCH INSTITUTES

General

Royal Society of South Africa: c/o University of Cape Town, Rondebosch; f. 1877, Royal Charter 1909; 2 honorary and 90 ordinary Fellows, 194 mems.; publ. *Transactions*.

President: Dr. M. R. Levyns.
Hon. Secretary: W. J. Talbot, B.Sc.
Hon. Treasurer: N. Sapeika, B.A., Ph.D., M.D.

Fellows:

Honorary:

Barnard, K. H., M.A., D.Sc.
Campbell, G. C., M.B., Ch.B., Hon. LL.D.(Edin.), F.R.C.S. (Edin.).

Ordinary:

Adamson, Prof. R. S., M.A., D.Sc.
Alexander, R. A., B.Sc., D.V.Sc.
Balinsky, Prof. B. I., Dr.Biol.Sc.
Barker, Prof. W. F., B.Sc., Ph.D.
Batson, Prof. E., B.Sc.(Econ.), F.R.Econ.S.
Beater, B. E., D.Sc.
Bigalke, A., M.A., Ph.D.
Bleksley, Prof. A. E. H.
Bolus, Mrs. F., B.A., D.Sc.
Bond, G. W., D.Sc.
Bush, Prof. S. F., M.Sc., D.Phil.
Clark, J. D., C.B.E., M.A., Ph.D., F.S.A., F.R.A.I.
Compton, Prof. R. H., M.A.
Cooke, H. B. S., M.A., D.Sc., F.G.S., F.R.Met.S.
Copenhagen, W. J., M.Sc.
Dalton, Prof. J. P., M.A., D.Sc.
Dart, Prof. R. A., M.Sc., M.D., Ch.M.
Day, Prof. J. H. O., D.F.C., B.Sc., Ph.D.
De Kock, G. V. D. W., D.Sc., M.R.C.V.S.
Donen, I., M.Sc., Ph.D.
Drennan, Prof. M. R., M.A., M.B., Ch.B., F.R.S.E.
Dreosti, Prof. G. M., M.Sc., Ph.D.
Du Toit, P. J., B.A., Ph.D., Dr.Med.Vet., D.Sc.
Dyer, R. A., D.Sc.
Ellerman, Sir John.
Elliott, G. A., O.B.E., M.D., F.R.C.P.
Elsdon-Dew, R., M.B., Ch.B., M.D.
Evans, D. S., M.A., Ph.D., F.Inst.P., F.R.A.S.
Ewer, D. W., M.A., Ph.D.
Frankel, J. J., D.Sc., F.G.S., A.M.I.M.M.
Freed, L. F., M.A., D.Phil., M.B., Ch.B., M.D., D.P.H., D.T.M.& H.
Galloway, A., M.A., M.B., Ch.B., F.R.A.I.
Gane, P. G., M.B.E., M.Sc., Ph.D.
Gilbert, Miss C., D.Sc.
Gordon, Prof. I., M.A., Ph.D.
Hales, Prof. A. L., M.Sc., Ph.D., M.A.
Haughton, S. H., D.Sc.
Hesse, A. J., B.Sc., Ph.D., F.R.E.S.
Hey, D., D.Sc.
Holliman, Prof. F. G., M.A., Ph.D.
Isaac, Prof. W. E., B.Sc., Ph.D.
James, Prof. R. W., M.A., B.Sc., F.Inst.P.
Janse, A. J. T., D.Sc., F.E.S.
Kent, L. E., M.Sc., F.G.S.
King, L. C., D.Sc., Ph.D.
Lawrence, R. F., M.A., Ph.D.
Levyns, Mrs. M. R., B.A., D.Sc.
Lötjeharms, Prof. W. J., Phil.Nat.D.
Maingard, Prof. L. F., M.A., D.Litt., L.-en-D.
Malan, B. D., B.A.
Malan, D. J., D.Sc.
Marloth, R. H., B.A., M.Sc., Ph.D.
Naudé, S. M., M.Sc., Ph.D.
Newbery, Prof. E., D.Sc., F.R.I.C., F.C.S.
Paine, Prof. H. H., M.A., B.Sc., F.I.P.
Phillips, E. P., M.A., D.Sc., F.L.S.
Phillips, J. F. V., D.Sc., F.R.S.E.
Pijper, A., M.D., D.S.C.
Pocock, Miss M. A., B.Sc., Ph.D., F.L.S.
Poldervaart, A., M.Sc., Ph.D.
Porter, Miss A., D.Sc., F.L.S.
Power, J. H., F.Z.S.
Rapson, W. S., M.Sc., D.Phil., A.R.I.C.
Rennie, Prof. J. V. L., M.A., Ph.D.
Rose, Col. J. G., D.S.O., V.D., F.I.C.
Ryrie, Prof. B. J., M.B., Ch.B.
Sapeika, N., B.A., Ph.D., M.D.
Schapera, Prof. I., M.A., Ph.D., D.Sc.
Scholtz, Prof. D. L., D.Sc.
Schonland, Sir Basil, M.A., Ph.D., F.R.S.
Schrire, I., M.A., Ph.D., M.B., Ch.B., M.R.C.P.
Shapiro, H. A., M.B., Ch.B., Ph.D.
Singer, R., M.B., Ch.B.
Skaife, S. H., M.A., M.Sc., Ph.D., F.E.S.
Smeath-Thomas, Prof. J., D.Sc., F.I.C.
Smith, Prof. J. L. B., M.Sc., Ph.D.
Staz, J., D.D.S., H.D.D., L.D.S.
Stephens, Miss E. L., B.A., F.L.S.
Stoy, R. H., M.A., Ph.D., F.R.A.S.
Summers, R. F. H.
Talbot, Prof. W. J., B.Sc.
Taylor, J. G., M.A., Ph.D.
Thoday, Prof. D., M.A., Sc.D., F.R.S.
Tobias, P. V., Ph.D., M.B.B.Ch., F.R.A.I.
Von Bonde, C., M.A., Ph.D.
Walker, Prof. F., M.A., Ph.D., D.Sc., F.R.S.E.
Watt, Prof. J. M., M.B., Ch.B., F.R.C.P., F.R.S.E.
Wicht, Prof. C. L., B.Sc., B.A., Dr.Ing.
Wilson, Prof. Monica, M.A., Ph.D.
Zwarenstein, Prof. H. J., M.A., M.Sc., Ph.D., D.Sc.

South African Council for Scientific and Industrial Research: Scientia, P.O. Box 395, Pretoria; f. 1945; Pres. Dr. S. M. Naudé; Vice-Pres. Dr. N. Stutterheim, Dr. E. J. Marais, Dr. L. J. le Roux; Sec.-Treas. A. J. Miller-Smit; mems.: Dr. S. M. Naudé (Chair.), Prof. C. A. du Toit, F.R.S., G. C. V. Graham, Dr. B. Gaigher, F. G. Hill, Prof. S. F. Oosthuizen, Dr. R. L. Straszacker, Dr. H. J. van Eck, Prof. F. L. Warren, J. E. Worsdale. The Council has the following departments and offices:

Information and Research Services, Pretoria.
Technical Services Department, Pretoria.
South African Scientific Liaison Office, 6th Floor, Chichester House, 278-282 High Holborn, London, W.C.2, England.
South African Scientific Liaison Office, Dupont Circle Building, 1346 Connecticut Avenue, N.W., Washington 6, D.C., U.S.A.
South African Scientific Liaison Office, Embassy of the Republic of South Africa, Machabaërstrasse 75–77 (Ecke Kaiser-Friedrich-Ufer), Cologne (Köln 1), Germany.

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The C.S.I.R. controls the following research laboratories:

National Physical Research Laboratory (C.S.I.R.): P.O. Box 395, Pretoria; maintains fundamental standards of physical quantities for the Republic of South Africa; specialist divisions and sections on acoustics, physics of matter, nuclear physics, radioactivity, optics, spectrochemistry, X-ray diffraction, electron microscopy, mass spectroscopy, atmospheric physics, high pressure physics, and physical oceanography; conducts research in co-operation with other scientific institutions and for industrial firms on contract basis; Dir. Dr. A. STRASHEIM.

National Chemical Research Laboratory (C.S.I.R.): P.O. Box 395, Pretoria; research into raw materials and their processing by industry and acts as non-profit-making research institute for industry; divisions include physical, inorganic and analytical chemistry, organic chemistry, biochemistry, process development; Dir. Dr. P. C. CARMAN.

National Building Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; wide research on national problems of the building and construction industry; divisions include soil mechanics, functional efficiency, civil and structural engineering, materials and architecture; Dir. Dr. T. L. WEBB.

National Institute for Telecommunications Research (C.S.I.R.): University of the Witwatersrand, Johannesburg; study of radio wave propagation and associated phenomena; study of specialised techniques and the development of specialised terminal equipment (invented the Tellurometer system of distance measurement now in world-wide use); the use of radio as an essential part of other programmes, e.g. space research; Dir. Dr. F. J. HEWITT.

National Mechanical Engineering Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; practical problems of engineering industry and research into fundamental technical problems peculiar to South Africa; undertakes research work for industry on a contract basis; divisions include materials and mechanics of solids, aeromechanics, hydromechanics, heat transfer and thermodynamics; Dir. Dr. H. G. DENKHAUS.

National Institute for Personnel Research (C.S.I.R.): University of the Witwatersrand, Johannesburg; research in industrial psychology and personnel management; divisions include work study, personnel selection and vocational guidance, applied experimental psychology; applied social and ethnopsychology, demography, neuropsychology, training, psychometrics and mathematical statistics; Dir. Dr. D. J. Gouws.

National Institute for Water Research (C.S.I.R.): P.O. Box 395, Pretoria; fundamental and applied research into biological, bacteriological, biochemical and technological aspects of water supply, waste water treatment, effluent re-use or disposal; regional laboratories are located in the Provinces of Natal, the Cape and South-West Africa; Dir. Dr. G. J. STANDER.

National Nutrition Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; studies problems of human nutrition of national importance. Activities include biochemical, physiological, pathological and clinical research on man, the carrying out of nutritional status surveys among various population groups and studies on the processing and nutritional properties of foodstuffs; Dir. Dr. F. W. QUASS.

National Research Institute for Mathematical Sciences (C.S.I.R.): P.O. Box 395, Pretoria; *Mathematics Division:* Mathematical analysis, applied mathematics, theoretical physics, numerical analysis and statistics; *Electrical Engineering Division:* Automatic control, data processing, computer technology, ultrasonics, semiconductors, and other light and heavy current applications. Research services offered to industry, universities, government and other organizations; Dir. Dr. A. P. BURGER.

National Institute for Road Research (C.S.I.R.): P.O. Box 395, Pretoria; divisions include bituminous materials, soil mechanics, special problems, traffic and safety, and economics; Dir. Dr. P. J. RIGDEN.

Co-operative industrial research is subsidised through autonomous research institutes, registered as non-profit companies and controlled by industrial subscribers:

Fishing Industry Research Institute, Cape Town.
Leather Industries Research Institute, Grahamstown.
Paint Industries Research Institute, Durban.
Sugar Milling Research Institute, Durban.
Wool Textile Research Institute, Grahamstown.

Medical research is supported through units and groups at medical research institutions and universities in the following fields:

Amoebiasis, Bilharzia, Anæsthetic deaths, Pneumoconiosis, Arthropod-borne virus diseases, Cardiopulmonary diseases, Cardiovascular pulmonary diseases, Clinical nutrition, Degenerative diseases, Nutrition and metabolism, Dental research, Nutrition and dental health research, Endocrine, Cardiac, Human biochemistry, Photobiology, Orthopædic development, Renal metabolism, Virus research, Tuberculosis.

Publs. *C.S.I.R. Annual Report, Scientiae* (monthly), *C.S.I.R. Library Information and Accessions* (monthly), *TI—Technical Information for Industry* (monthly), *Register of Current Scientific Research at South African Universities* (annual), *C.S.I.R. Research Reports* (irregular), *Basic Radio Propagation Predictions for Southern Africa* (monthly), *Bulletin of Ionospheric Characteristics observed at Johannesberg and Cape Town* (monthly); National Institute for Personnel Research: *Psychologia Africana* (irregular), *Research Review* (biennial), *Directory of Scientific Resources in South Africa* (in five parts), *Periodicals in South African Libraries* (Science and Technology Section); National Building Research Institute: *Information Sheets* (every two months); National Institute for Road Research: *VIA* (twice yearly).

South African National Council for Social Research: The Department of Education, Arts and Science, Pretoria; f. 1946; the Council is an advisory body, having no statutory existence but serving the Minister of Education, Arts and Science with advice in matters falling within its scope. The Secretary for Education, Arts and Science is *ex-officio* Chairman of the Council; objects: (*a*) to promote, organise, co-ordinate and assist education, educational, sociological and humanistic research on a national basis, but not to dominate or monopolise the field; (*b*) to encourage and to undertake the planning of research projects; (*c*) to ensure efficient and economic use of moneys; (*d*) to create where necessary bodies for carrying out long-range or long-term researches; (*e*) to encourage the training of highly qualified research workers by means of grants, scholarships and fellowships to selected individuals for attachment to university departments, Government departments, or institutions; (*f*) to provide information, liaison and statistical services as well as to assist in the publication of results and other material likely to be valuable for research; (*g*) to promote library services; (*h*) to formulate in general terms research policy, and to put forward to the Government and the country the needs of research; (*i*) to obtain and administer endowments; publ. *Journal for Social Research* (twice yearly).

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Africa Institute, The: cnr. van der Walt and Skinner Streets. P.O. Box 630, Pretoria; f. 1960; the Institute is for the collection and elaboration of information on all matters especially affecting the African continent and to disseminate such information; to attend conferences on African matters; to keep in touch with leaders in the territories of Africa and to investigate matters *in loco*; Chair. Dr. F. J. DE VILLIERS; Dir. Prof. P. F. D. WEISS; Sec. JOHANN STRAUSS; publ. *International Bulletin* (monthly).

AFRIKAANS STUDIES

Ekonomiese Instituut (F.A.K.): P.O. Box 8711, T.O. Building, 95 Simmonds Street, Johannesburg; f. 1930; 100 mems.; Chair. Prof. Dr. C. G. W. SCHUMANN; Sec. W. S. J. GROBLER; publs. *Lectures*.

Federasie van Afrikaanse Kultuurvereniginge (F.A.K.): P.O. Box 8711, T.O. Building, 95 Simmonds Street, Johannesburg; f. 1929; 189 affiliated Afrikaans cultural societies; Chair. Prof. Dr. H. B. THOM; Sec. W. S. J. GROBLER; publs. *Lectures*.

Suid-Afrikaanse Akademie vir Wetenskap en Kuns (*South African Academy of Arts and Science*): Engelenburghuis, Hamilton Street, Pretoria; f. 1909; for the advancement of the Afrikaans language, literature, art, science and technology; 224 mems., 831 assoc. mems.; Chair. Prof. Dr. P. F. D. WEISS; Sec. D. P. GOOSEN; publs. *Tydskrif vir Geesteswetenskappe, Tydskrif vir Natuurwetenskappe, Nuusbrief, Simposium* (quarterlies), *Jaarboek, Hertzog-Annale* (annuals).

AGRICULTURE AND FORESTRY

Directorate of Agricultural Research (Pretoria): Dept. of Agricultural Technical Services, Agriculture Building, Beatrix Street, Pretoria; manages, plans and co-ordinates all agricultural research; Chief Dir. Dr. S. J. DU PLESSIS; the Directorate controls the following specialised and regional research institutes:

Animal Husbandry and Dairy Research Institute (Pretoria-Irene): Performance and progeny testing of and fundamental research on breeding, nutrition and physiology of farm animals; Chief, Dr. F. N. BONSMA.

Botanical Research Institute (Pretoria-Brummeria): Botanical surveys, classification of plants and study of morphology, taxonomy and ecology of South African flora; administers the National Herbarium at Pretoria; Chief, Dr. R. A. DYER.

Citrus and Subtropical Fruit Research Institute (Nelspruit): Research on citrus and subtropical fruit for the entire Republic; Chief, Dr. R. H. MARLOTH.

Fruit and Food Technology Research Institute (Stellenbosch): Research on deciduous fruit under winter rainfall conditions and food technological research; Chief, Dr. R. I. NEL.

Horticultural Research Institute (Pretoria-Roodeplaat): Research on horticulture (deciduous fruits, vegetables and ornamental plants) under summer rainfall conditions; Chief, Dr. A. J. v. d. MERWE.

Plant Protection Research Institute (Pretoria): Fundamental and applied research on plant pathology, microbiology and taxonomy of insects; economic zoology, toxicology of insecticides and biology and control of insect pests; Chief, D. J. E. v. d. PLANK.

Soils Research Institute (Pretoria): Classification and mapping of soils; chemical research; analysis of soils, water, rock, plant materials, fertilisers, weedicides, insecticides and fungicides; Chief, Dr. J. VAN GARDEREN.

Tobacco Research Institute (Rustenburg-Kroondal): Research on culture and technology of tobacco; Chief, Dr. J. REYNEKE.

Veterinary Research Institute (Pretoria-Onderstepoort): Research on animal diseases (infectious and functional, including disease caused by malnutrition); production of vaccines and remedies; biological evaluation of dips and remedies offered for registration; Chief, Dr. B. C. JANSEN.

Viticultural and Oenological Research Institute (Stellenbosch): Research on viticulture and wine technology; Chief, Mr. P. P. DU TOIT.

Regional Research Institutes: Transvaal (Pretoria), Highveld (Potchfstroom), O.F.S. (Bloemfontein-Glen), Karoo (Middelburg, Cape), Natal (Pietermaritzburg), Eastern Cape (Queenstown), Winter Rainfall (Stellenbosch).

Forest Research Institute: P.O. Box 727, Pretoria; f. 1919; headquarters of the Research Branch of the Dept. of Forestry of the Republic of South Africa; research undertaken at the institute and in field stations include timber technology, sylviculture, hydrological and tree-breeding research; Chief Research Officer J. H. VAN WYK; publs. *Forestry in South Africa*, bulletins, papers, etc.

ARCHAEOLOGY, HISTORY AND RACE RELATIONS

Institute for the Study of Man in Africa: Johannesburg; f. 1960; the Institute has been established to perpetuate the work of Prof. Raymond A. Dart on the study of man in Africa, past and present, in health and disease; the Institute is to be based on a Museum of Man in Africa and will serve as a centre of anthropological and medical field work; it functions partly through the auspices of the University of the Witwatersrand; through its Kalahari Research Committee it has sponsored a programme of research on the Kalahari Bushmen; Pres. Prof. P. V. TOBIAS, F.R.S.S.AFR., Medical School, Hospital Street, Johannesburg.

South African Archælogoical Society: P.O. Box 31, Claremont, Cape Town; f. 1945; 800 mems.; Sec. R. R. INSKEEP; publ. *South African Archæological Bulletin* (quarterly).

South African Bureau of Racial Affairs (SABRA): P.O. Box 238, Stellenbosch; f. 1948 to encourage and promote the separate development of the white and non-white communities in South Africa and to protect and safeguard the interests of both; to make a thorough study of race relations and to encourage and work for goodwill and co-operation between the various sections and races in South Africa; annual congress; Chair. Dr. A. L. GEYER; publs. *Journal of Racial Affairs* (quarterly), *SABRA News Letter* (quarterly).

South African Institute of Race Relations: P.O. Box 97, Johannesburg; f. 1929; 4,000 mems.; 65 affiliated bodies; Pres. The Hon. O. D. SCHREINER; Vice-Pres. Prof. D. HOBART HOUGHTON, Dr. R. E. VAN DER ROSS, Miss H. P. POLLAK, Dr. S. VAN DER HORST; Dir. QUINTIN WHYTE; publs. *Race Relation News* (monthly), *Race Relations Journal* (quarterly), *Hoernlé Memorial Lecture* (annually), *Handbook on Race Relations in South Africa, Press Bulletin, Annual Report, Survey of Race Relations, "Thought", "Perspektief"*, pamphlets.

Van Riebeeck Society: c/o South African Public Library, Cape Town; f. 1918; 1,240 mems.; publishes South African Historical Documents; Chair. Prof. J. DU P. SCHOLTZ; Hon. Sec. Mrs. M. G. ASHWORTH; Hon. Treas. Dr. A. M. LEWIN ROBINSON; publ. one volume annually.

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ARCHITECTURE, ENGINEERING AND TECHNOLOGY

Cape Chemical and Technological Society: P.O. Box 2645, Cape Town; f. 1905; 101 mems.; Sec. Dr. E. G. PROUT, M.SC., PH.D.

Government Metallurgical Laboratory: Corner Yale and Showground Roads, Braamfontein, Johannesburg; f. 1934; research on concentration and processing of metals; Dir. Dr. R. E. ROBINSON; library of 2,500 vols.

Institution of Certificated Mechanical and Electrical Engineers, South Africa: P.O. Box 3361, Johannesburg; f. 1911; 1,402 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Journal, The Certified Engineer.*

Institute of S.A. Architects: Transvaal Provincial Institute, 60 Biccard Street, Braamfontein, Johannesburg; f. 1911; 818 mems.; Sec. Mrs. W. COFORD; publ. *South African Architectural Record* (monthly).

Institute of S.W.A. Architects: P.O. Box 1478, Windhoek; Pres. J. M. KEMP; Sec. Mrs. A. FRANZSEN.

Institute of Transport (*Southern Africa Division*): Road Transport Section, General Manager's Office, South African Railways, Johannesburg; f. 1926; 950 mems.; Chair. P. G. JOUBERT, M.SC., M.INST.T.; Sec. A. CRERAR, A.M.INST.T.; Hon. Treas. G. A. CROCKER, A.M.INST.T.; publs. *Journal, African Transport Review.*

Radio Space Research Station: Haartebeeshoek; f. 1961; established in co-operation with the U.S.A.

South African Atomic Energy Board: Private Bag 256, Pretoria; f. 1949; Divisions: Reactor Engineering, Chemistry, Life Sciences, Physics, Extraction Metallurgy, Physical Metallurgy, Geology, Isotopes and Radiation, Liaison and Information Technical Services; Chair. Dr. N. DIEDERICHS; Dep. Chair. Dr. T. E. W. SCHUMANN; Dir. A. J. A. ROUX; publ. *Annual Report.*

South African Institute of Electrical Engineers: P.O. Box 5907, Johannesburg; f. 1909; 1,920 mems.; Pres. Prof. G. R. BOZZOLI; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Transactions.*

South African Institute of Mining and Metallurgy: Kelvin House, Hollard Street, P.O. Box 1183, Johannesburg; f. 1894; 1,350 mems.; Pres. J. F. REID; publ. *Journal.*

South African Institution of Civil Engineers: P.O. Box 1183, Johannesburg; f. 1903; 2,179 mems.; Pres. A. H. ROBERTS; publ. *The Civil Engineer in South Africa* (monthly).

South African Institution of Mechanical Engineers: P.O. Box 5907, Johannesburg; f. 1892; 1,312 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Journal* (monthly).

Southern Universities Nuclear Institute: Faure; f. 1961; to house a 5.5 M.e.v. Van de Graaff accelerator; Chair. Prof. H. B. THOM.

ASTRONOMY

Astronomical Society of Southern Africa: c/o The Royal Observatory, Cape Town; f. 1922; Pres. Dr. A. J. WESSELINK; Hon. Sec. A. MENZIES; Hon. Treas. G. ORPEN; Mems. of Council: Prof. G. G. GILLIE, P. SMITS, Mr. J. CHURMS, Dr. D. S. EVANS, Mr. A. G. F. MORRESBY, Prof. R. H. STOY, Dr. A. D. THACKERAY, N. LINCOLN, G. F. G. KNIPE; approx. 350 mems.; publs. *Notes* (monthly), *Handbook* (annually); autonomous local centres at Cape Town, Johannesburg, Durban, Port Elizabeth and Bloemfontein.

Boyden Observatory: Mazelspoort, Bloemfontein; is maintained by the following associates: Pres. and Fellows of Harvard College, U.S.A., Armagh Observatory, Northern Ireland, Dunsink Observatory, Irish Republic, Swedish Astronomical Observatories, Council of German Observatories, Royal Observatory of Belgium for Belgium Astronomical Observatories; Chair. D. H. MENZEL.

Lamont-Hussey Observatory of the University of Michigan: Naval Hill, Bloemfontein; opened 1928; Astronomer in Charge Prof. F. HOLDEN, M.SC., F.R.A.S.

Leiden Southern Station: P.O. Box 13, Broederstroom; Superintendent D. F. STEVENSON.

Magnetic Observatory: Hermanus; f. 1932, transferred from Cape Town 1940; studies of geomagnetism, seismology, cosmic rays; Chief Officer A. M. VAN WIJK; publs. *Results of Magnetic Observations, Bulletin* (monthly).

Radcliffe Observatory, Pretoria: first established 1772, at Oxford (England), transferred to Pretoria in 1937; the telescope of this observatory is employed on direct photography, spectroscopic and photo-electric work, and is among the largest telescopes in the Southern Hemisphere; Observer A. D. THACKERAY, M.A., PH.D.

Republic Observatory, formerly **Union Observatory:** 18 Gill Street, Johannesburg; f. 1903; astronomical observatory; library of about 12,000 vols.; Dir. W. S. FINSEN.

Royal Observatory: Cape Town; f. 1820; controlled and maintained by the British Admiralty as the southern station of the Royal Greenwich Observatory; equipment includes a reversible 6-inch transit circle; 40-inch, 30-inch and 18-inch reflectors; 24-inch, 18-inch and 13-inch refractors; an automatic Lyot H Heliograph; the Observatory specialises on astrometric and photometric work and by agreement with the Radcliffe Trustees the staff have access to the 74-inch reflector at Pretoria for spectroscopic observations of all kinds; the Observatory controls the emission of wireless time signals; H.M. Astronomer R. H. STOY, C.B.E., M.A., PH.D.

BANKING, ECONOMICS AND POLITICS

Economic Society of South Africa, The: P.O. Box 929, Pretoria; f. 1925; Objects: to promote the thorough discussion of, and research into economic questions, in particular those affecting South Africa, and to this end to enlist the active co-operation of all persons of whatever school of economic thought, capable of throwing light on them; 1,890 mems.; Sec. D. C. KROGH; Treas. R. C. STEGMANN; publ. *The South African Journal of Economics* (quarterly); brs. in Cape Town, Durban, Johannesburg, Port Elizabeth and Pretoria.

Institute of Bankers in South Africa: P.O. Box 2213, Cape Town; f. 1904; 11,000 mems.; Sec. S. C. WELCH; publ. *South African Bankers' Journal* (monthly); Editor JAMES A. HENRY.

South African Institute of International Affairs: Jan Smuts House, University of the Witwatersrand, Milner Park, Johannesburg; f. 1934 to facilitate the scientific study of international questions, particularly African questions; 647 mems.; library of 4,500 vols.; Chair. LEIF EGELAND; Dir. G. G. LAWRIE.

South Africa Foundation: Johannesburg; f. 1959 to promote international understanding of South Africa's "way of life, achievements, problems, and aspirations"; Dir. L. B. GERBER.

BIBLIOGRAPHY, LITERATURE AND ART

English Academy of Southern Africa: Johannesburg; f. 1961; to preserve English as a cultural and educational force.

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Southern African Association of Arts: Cape Town; encouragement of the arts, nationally and internationally.

South African Association of Arts: Windhoek; br. in Swakopmund; encouragement of painting, sculpture, music, dancing and drama; maintains new Arts Theatre, organises recitals, arranges arts safaris; Chair. Mrs. O. LEVINSON; Sec. Mrs. LISA KUNTZE.

Classical Association of Johannesburg: University of the Witwatersrand, Johannesburg; 50 mems.; Pres. Prof. S. DAVIS; Sec. A. E. THORPE.

Classical Association of South Africa: Chair. Prof. H. L. GONIN, University of Pretoria; Sec. Dr. J. P. LOUW, University, Bloemfontein; publ. *Acta Classica*, Editor Prof. G. VAN N. VILJOEN, P.O. Box 392, Pretoria.

South African Museums' Association: c/o South African Museum, P.O. Box 61, Cape Town; f. 1936; 215 mems.; Hon. Sec. Miss M. SHAW; Editor Dr. R. F. LAWRENCE, Natal Museum, Pietermaritzburg; publ. *Samab* (three times a year).

South African Library Association (Suid-Afrikaanse Biblioteekvereniging): c/o Ferdinand Postma Library, Potchefstroom University, Potchefstroom; f. 1930; 923 mems.; Pres. F. DU PLESSIS, B.A.; Vice-Pres. Prof. H. C. VAN ROOY, M.A. (S.A.), B.SC. (Columbia), F.S.L.A.; Hon. Sec. C. S. H. LESSING, HON. B.A., HON. B.A.(BIBL.), U.D.L.(P.U.), A.S.A.L.A.; publs. *South African Libraries* (*Suid-Afrikaanse Biblioteke*) (quarterly), *Newsletter* (*Nuusbrief*) (monthly) and a few irregular publications.

GEOGRAPHY AND GEOLOGY

Geological Society of South Africa: P.O. Box 1071, Johannesburg; f. 1895; 800 mems.; Hon. Sec. E. MENDELSSOHN; Asst. Secs. The Associated Scientific and Technical Societies of South Africa; publs. *Quarterly News Bulletin*, annual reports, proceedings and transactions.

Geological Survey of South Africa: P.O. Box 401, Pretoria; f. 1912; applied and fundamental geological research; mapping; library of 2,735 vols. and 40,000 periodicals; Dir. Dr. O. A. VAN EEDEN; publs. *Bibliography* (annually), bulletins, maps and handbooks.

South African Geographical Society: P.O. Box 5013, Johannesburg; f. 1917; 146 mems.; Pres. Dr. F. DIXEY; Hon. Sec. (Mrs.) A. J. HALL; publ. *South African Geographical Journal* (annually).

MEDICINE AND SCIENCES

Associated Scientific and Technical Societies of South Africa: P.O. Box 5907, Johannesburg; f. 1920, incorp. 1940; 9,122 mems.; Pres. J. P. LESLIE; Sec. A. J. ADAMS; publ. *Annual Proceedings.*

Botanical Society of South Africa: Kirstenbosch, Newlands, C.P.; f. 1913; 2,800 mems.; Pres. DUDLEY R. D'EWES; Hon. Sec. and Treas. Mrs. W. N. HALL; publ. *Journal* (annual).

Division of Sea Fisheries: Beach Road, Sea Point, Cape Town; f. 1895; fisheries research and administration; Dir. C. G. DU PLESSIS; publs. annual reports, investigational reports, fisheries bulletins.

Medical Association of South Africa: Medical House, 35 Wale Street, P.O. Box 643, Cape Town; f. 1927; 5,700 mems.; the library is merged with that of the Medical School, University of Cape Town; Chair. of Council J. H. STRUTHERS, M.B., CH.B.; Sec. A. H. TONKIN M.B. CH.B.; Assoc. Sec. L. M. MARCHAND, M.B., CH.B.; Asst. Sec. P. D. COMBRINK, M.B., CH.B.; Hon. Treas. J. D. JOUBERT, M.B., CH.B., F.R.F.P.S., F.R.C.S.; publs. *South African Medical Journal* (weekly), *South African Journal of Laboratory and Clinical Medicine* (quarterly).

National Botanic Gardens of South Africa: Kirstenbosch, Newlands, nr. Cape Town; f. 1913; Dir. Prof. H. B. RYCROFT; objects: scientific and educational; the collection, cultivation, display and study of the indigenous flora of South Africa; the preservation of the native vegetation of Southern Africa.

National Zoological Gardens of South Africa: P.O. Box 754, Pretoria; f. 1899; Chair. Dr. P. J. DU TOIT, F.R.S.; Dir. R. BIGALKE, M.A., DR.PHIL., C.M.Z.S.; Asst. D. J. BRAND, M.SC., PH.D.

Municipal Botanic Gardens (*Parks, Recreation and Beaches Department, Durban Corporation*): St. Thomas' Road, Durban; f. *ca.* 1853; objects: the propagation and development of ornamental and useful plants, shrubs, trees, etc., and as a place of instruction in botany, horticulture and the related subjects; Dir. Parks, Recreation and Beaches F. W. THORNS, F.I.P.A.(S.A.); Curator, Durban Botanic Gardens, E. R. THORP, A.M.I.P.A.(S.A.).

South African Association for the Advancement of Science: P.O. Box 6894, Johannesburg; f. 1903; 1,029 mems.; Joint Hon. Gen. Secs. Prof. A. E. H. BLEKSLEY, D.SC., H. E. KRUMM, F.R.I.C., F.C.S., F.R.A.S.; Asst. Gen. Secs. The Associated Scientific and Technical Societies of South Africa; publs. *South African Journal of Science* (*Suid-Afrikaanse Tydskrif vir Wetenskap*).

South African Association of Assayers: 303 Kelvin House, 75 Marshall Street, P.O. Box 6343, Johannesburg; f. 1919; to uphold the status and interests of the profession of assaying in all its branches; 284 mems.; Pres. C. S. STOTT; publ. *Journal* (monthly).

South African Biological Society (Suid-Afrikaanse Biologiese Vereniging): P.O. Box 820, Pretoria; f. 1907; 120 mems.; Pres. Miss B. TAUTE; Hon. Sec. Dr. D. J. B. KILLICK; publ. *Journal.*

South African Chemical Institute: 75 Marshall Street, P.O. Box 3361, Johannesburg; f. 1912; 1,080 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publs. *Journal* (bi-annually) and *The South African Industrial Chemist* (monthly).

South African Institute for Medical Research: Hospital Street, P.O. Box 1038, Johannesburg; 28 brs. at provincial hospitals throughout the Republic; f. 1912; objects: medical research into the causes and methods of prevention of human diseases; the Institute works in association with the Medical School of the University of Witwatersrand; Chair. Board of Management P. H. ANDERSON; Dir. J. H. S. GEAR, B.SC., M.B., B.CH., D.P.H., D.T.M. & H., DIPL.BACT.; Deputy Dir. J. F. MURRAY, M.D., CH.B., D.P.H.; Supt. of Diagnostic Dept. I. BERSOHN, B.SC., M.B., B.CH.; Deputy Dir. of Serum and Vaccine Dept. J. H. MASON, D.SC., F.R.V.S., F.R.S.E.; Manager L. G. WHITAKER; Librarian M. J. DE LEEUW, B.A., LIBR.DIP. (Cape Town); publ. *Annual Report.*

South African Institute of Physics: c/o P.O. Box 395, Pretoria; f. 1955; 165 mems.; Pres. Dr. E. C. HALLIDAY; Sec. Dr. A. STRSHEIM.

South African Ornithological Society: Percy Fitzpatrick Institute of African Ornithology, University of Cape Town, Ronderbosch; f. 1930; 1,600 mems.; Pres. Mrs. J. P. MACKIE NIVEN; Sec. Dr. J. M. WINTERBOTTOM; publ. *The Ostrich.*

South-West Africa Scientific Society: P.O. Box 67, Windhoek; Sec. H. J. RUST, D.PHIL.

Wild Life Protection Society of South Africa: P.O. Box 1398, Johannesburg; f. 1902; 4,000 mems.; Pres. N. H. GILFILLAN; Sec. G. B. TREADWELL; publ. *African Wild Life* (quarterly).

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UNCLASSIFIED

National Bureau of Educational and Social Research: Dept; of Education, Arts and Science, Private Bag 122, Pretoria; f. 1929; makes studies of educational and sociological problems as they affect South Africa both internally and externally; Dir. Dr. P. M. ROBBERTSE; umerous publications.

South African National Society, The: P.O. Box 3691, Cape Town; f. 1905; Objects· to promote interest in and appreciation of the countryside, to preserve as far as possible from destruction all ancient monuments and specimens of old Colonial architecture and historic interest in South Africa; 135 mems.; plus 2 life mems.; Pres. Lt.-Col. C. GRAHAM BOTHA, V.D., LL.D.; Vice-Pres. Dr. F. W. F. PURCELL, WILLIAM FEHR; Hon. Sec. and Treas. Miss GERTRUDE F. KINCAID; publs. *Year Book* and *Annual Report*; brs. of the Society at Durban, Pietermaritzburg and Grahamstown.

South African Standards Bureau: 173 Pretorius Street, Pretoria; maintains official records of standards.

LIBRARIES AND ARCHIVES

BETHLEHEM

Bethlehem Regional Library (Bethlehem Streekbiblioteek): Private Bag, Bethlehem; Regional Librarian Miss M. C. BOTHA.

BLOEMFONTEIN

Bloemfontein Regional Library (Bloemfonteinse Streekbiblioteek): P.O. Box 517; Regional Librarian (Vacant).

Free State Provincial Library Service (Vrystaatse Provinsiale Biblioteekdiens): P.O. Box 517; consists of Central Organisation Reference Library and Regional Libraries at Bloemfontein, Kroonstad and Bethlehem; serving 170 centres; 3 travelling libraries; book stock 447,376; Library Organiser S. C. J. VAN NIEKERK, B.A., F.S.A.L.A.

Public Library: P.O. Box 1029; f. 1875; Copyright library; 75,000 vols.; Librarian Miss B. LEVY, M.A., A.L.A., F.S.A.L.A.

University of the Orange Free State, Library of: Bloemfontein; f. 1906; the collection includes rare pamphlets and other early South African publications of the Dreyer-Africana Collection; 80,000 vols. (1,200 magazines); Librarian F. J. POTGIETER, B.COM., DIPL.BIBL. U.P., A.S.A.L.A.

BENONI, TRANSVAAL

Benoni Public Library: P.O. Box 403; f. 1923; 48,000 vols. Librarian W. G. GRIFFITHS, F.S.A.L.A.

CAPE TOWN

Cape Provincial Free Library Service: 48 Keerom Street, Cape Town; f. 1945; consists of 18 regional libraries and 3 reference libraries serving some 203 public libraries, 218 library depots for whites (150 library depots for coloureds), 1,143 school libraries in schools for whites and 1,566 school libraries for coloureds; Dir. TH. FRIIS, B.COM., M.A., D.PHIL.

Cape Town City Libraries: 30 Chiappini Street; f. 1952, 550,000 vols.; 35 central and suburban libraries, travelling and hospital library services; Librarian Mr. C. H. VERMEULEN.

Library of Parliament: Parliament House; f. 1854; 200,000 items, including Government documents and the Mendelssohn Library of Africana, which contains 45,000 vols. on Africa, especially South Africa; Librarian T. ROOS.

Library of the Royal Society of South Africa: c/o University of Cape Town, Rondebosch; f. 1877; Librarian Prof. J. H. DAY, D.F.C., B.SC., PH.D.

South African Public Library: Government Avenue; f. 1818; contains rare book collections, including Grey, Dessinian and Fairbridge collections; the library is a Legal Deposit and National Library; 350,000 vols.; Chief Librarian A. M. LEWIN ROBINSON, B.A., PH.D., F.L.A.; publs. *Quarterly Bulletin, Grey Bibliographies Africana Nova* (quarterly).

University of Cape Town Library: Private Bag. Rondebosch; f. 1829; 350,000 vols., incl. medical library of 42,000 vols.; music library of 4,600 vols., 20,000 items of printed music, and 6,700 records; architectural library of 7,000 vols., 4,500 slides, 4,000 plans; law library of 9,000 vols., incl. van Zyl collection of Roman Dutch law; McGregor collection of modern English Poetry; Sibbett collection of Rhodes pictures; Crawford collection of mathematical monographs; Ballot collection of 18th-century Dutch books; Bowle-Evans collection of English literary works, 1780-1830; MSS. collection of letters and documents by prominent South African literary and public figures; 8,000 serials; also a school of librarianship for training librarians; Librarian R. F. M. IMMELMAN, M.A., B.L.S., F.L.A., F.S.A.L.A.; publs. *U.C.T. Bibliographical Series, Varia Series.*

DURBAN

Durban Municipal Library: City Hall, P.O. Box 917, Durban; f. 1853; 350,252 vols.; separate junior library, 11 depot libraries, 1 branch library and 2 non-European libraries; Librarian C. E. TYSON, F.S.A.L.A.

Natal Technical College Library: f. 1920; the collection includes sections on engineering, chemistry, commerce, fine arts, economics, travel and history, biography, English, Afrikaans and Dutch literature, and also the Hillier Library, consisting chiefly of literature, biography and history; 21,630 vols., about 100 periodicals; Librarians Miss C. A. MCCAULEY, A.S.A.L.A., Miss V. L. TURNER B.A.

University of Natal Library: *Head Office:* King George V Avenue, Durban; Dir. of Library Services S. I. MALAN, M.A., DIP. IN LIBR. (Cape).

Durban Section.

Howard College Branch: King George V Avenue; f. 1922; 67,000 vols.; Powell Collection of Early Science and Technology and Webb Collection of works by African Bantu and Negroes; Deputy Librarian L. MILBURN, B.A. HONS., DIP. IN LIBR. (Lond.), F.R.S.A., F.L.A.

City Building Branch: Warwick Avenue; f. 1936; 21,000 vols.; comprises a library for the departments of Commerce, Accountancy, Law and Education; Deputy Librarian L. MILBURN, B.A. HONS., DIP. IN LIBR. (Lond.), F.R.S.A., F.L.A.

Medical School Branch: Umbilo Road; f. 1951; 14,000 vols.; Powell Cancer Research Library; Assistant Librarian Miss C. B. MAGUIRE, A.L.A.

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Pietermaritzburg Section.
University of Natal Library: P.O. Box 375; f. 1909; 68,000 vols.; Librarian (PMB) R. A. BROWN, M.A., F.S.A.L.A.

EAST LONDON

East London Municipal Library Service: Cambridge Street, P.O. Box 652; f. 1876; 88,000 vols.; Librarian Miss M. H. VAN DEVENTER, A.S.A.L.A.

FORT HARE

Library of the University College of Fort Hare (*Howard Pim Library*): f. 1916; 52,000 vols.; Librarian M. SPRUYT, B.A., LL.DRS., DIP.(LIBR.).

GERMISTON

Germiston (Carnegie) Public Library: P.O. Box 246; f. 1909; 74,800 vols.; Librarian R. F. G. BOMPAS, R.S.A.L.A.

GRAHAMSTOWN

Grahamstown Public Library: Free Municipal Library; P.O. Box 185; f. 1842; 40,000 vols.; Librarian J. G. SPRIGG.

Rhodes University Library: Rhodes University; f. 1904; 125,000 vols.; Librarian F. G. VAN DER RIET, M.A., DR. DE L'UNIV. DE PARIS, A.B.L.S.

JOHANNESBURG

Johannesburg Public Library: f. 1890; 807,536 vols.; Librarian Miss A. H. SMITH, M.A., F.S.A.L.A.; publs. *Annual Report, Index to S.A. Periodicals* (annual), *Municipal Reference Library Bulletin* (monthly), bibliographies (occasional).

Library of the South African Association for the Advancement of Science: c/o University Library, Milner Park, Johannesburg; f. 1903; 6,900 vols.

Library of the University of the Witwatersrand including Witwatersrand Medical Library: Milner Park; f. 1922; the University Library contains 307,000 vols. Witwatersrand Medical Library contains 35,000 vols.; Librarian J. W. PERRY, M.A., F.L.A.

Library of the South African Institute of Race Relations: P.O. Box 97; f. 1929.

KIMBERLEY

Kimberley Public Library: P.O. Box 627; f. 1882; approx. 80,000 vols.; Librarian J. A. S. SCOTT, B.A., LIB.DIP.

KROONSTAD

Kroonstad Regional Library (*Kroonstad Streekbiblioteek*); Private Bag; Regional Librarian Miss M. F. B. BOTHA.

PIETERMARITZBURG

Natal Provincial Library Service: Private Bag 9016; f. 1952; free; consists of central organization and reference library at Pietermaritzburg; three regional libraries for the coastal, midlands and northern areas, serving 284 centres; 5 travelling libraries; 544,000 vols.; Acting Library Organiser W. C. VAN DER MERWE.

Natal Society Public Library: f. 1851; lending, reference and copyright depts.; children's library and non-European branch library; 100,000 vols.; Librarian URSULA JUDD, F.L.A.

University of Natal Library: Pietermaritzburg Section; *see under* Durban.

PORT ELIZABETH

Port Elizabeth Public Library: P.O. Box 66; f. 1848; 92,656 vols.; Librarian ALFRED PORTER, F.L.A.

POTCHEFSTROOM

Potchefstroom University for Christian Higher Education Libraries: f. 1921; 167,546 vols.; Librarian Prof. H. C. VAN ROOY, M.A., B.SC., F.S.A.L.A.; publ. *Union Catalogue of Theses and Dissertations of South African Universities.*

PRETORIA

Department of Education, Arts and Science Library: Oranje-Nassau Building, Schoeman Street; 48,000 vols. in main library, 10,000 in branch libraries; special library in Education, Psychology and Sociology; Librarian S. J. GERBER, B.A., DIP.LIBR.SC.

Library of the Council for Scientific and Industrial Research: P.O. Box 395; f. 1946; 50,000 vols.; Librarian Miss JEAN GREYBE, B.A., F.S.A.L.A.

State Library: P.O. Box 397, Pretoria; f. 1887; the library is a national library and legal depository library for U.S. Government and UNESCO publications; 300,000 vols.; contains Afrika collection and Union Catalogue of the Republic of South Africa for monographs; Inter-library Loans centre and Exchange centre; Dir. P. F. COETSEE; Dep. Dir. H. J. ASCHENBORN; publs. *South African Bibliography, State Library Bibliographies, State Library Contributions to Library Science: Monographs of the State Library Printers' Museum.*

Transvaal Provincial Library: Private Bag 288, Pretoria; f. 1943; consists of Central Organisation and Reference Library at Pretoria; 8 Regional Libraries; entire province served by 89 affiliated public libraries and 579 depots; 13 travelling libraries; 1,514,049 vols.; Dir. H. M. ROBINSON, B.A., F.S.A.L.A.; Principal Librarians G. R. MORRIS, B.A., F.S.A.L.A., F. SCHOLTZ, F.S.A.L.A.; Senior Librarian Mrs. H. J. M. RETIEF, F.S.A.L.A.

University of Pretoria Libraries: f. 1910; 348,939 vols.; **Main Library (Merensky-Biblioteek):** contains the Africana Collection, Goethe Collection, H. G. Viljoen library of Greek and Roman literature and history and Law Library; **Macfadyen Library** (Faculty of Commerce and Public Administration); **Central Medical Library:** Librarian A. J. VANDEN BERGH, B.A., DIP.BIBL.

University of S. Africa, Sanlam Library: f. 1947; 90,000 vols.; Librarian H. O. ZASTRAU, B.SC. Higher Diploma in Librarianship.

Government Archives: Union Buildings, Pretoria; Chief Archivist of the Union and South-West Africa Dr. A. KIESER; administers the following depots:

Orange Free State Archives: Elizabeth Street, Bloemfontein; f. 1927; 21,000 documents and 6,000 vols. in Archives Library; Archivist N. F. HARTMAN, B.A.

Cape Archives: Queen Victoria Street, Cape Town; Senior Archivist Dr. J. A. MOUTON.

Natal Archives: 231 Pietermaritzburg Street, Pietermaritzburg; Archivist P. C. O. STRYDOM, B.A.

Union Archives: Union Buildings, Pretoria; Senior Archivist (vacant).

Transvaal Archives: Union Buildings, Pretoria; Senior Archivist (vacant).

South West African Archives: New Archives Building, Windhoek; Archivist D. W. KRYNAUW, M.A.

Liaison Section: Pretoria.

Publications Section: Pretoria.

STELLENBOSCH

Library of the University of Stellenbosch: c/o University of Stellenbosch; f. 1918; 171,656 vols.; Librarian G. V. MARAIS, M.A., B.SC., F.S.A.L.A.

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MUSEUMS AND ART GALLERIES

BLOEMFONTEIN

National Museum: f. 1877; Institute for Palæontology, Osteology, Conchology, Archæology, Anthropology and Ethnography; the unique Florisbad human fossil skull and Ictidosaur housed here; library of 40,000 vols.; Dir. A. C. HOFFMAN, D.PHIL., D.SC.; publ. *Researches of the National Museum, Memoirs, Annual Reports.*

CAPE TOWN

Cape Town Castle Museum: Cape Town Castle.

Michaelis Collection: The Old Town House, Greenmarket Square; f. 1913; Dutch and Flemish paintings and graphic art of the 16th-18th centuries; Dir. Prof. Dr. MATTHYS BOKHORST.

South African Museum: P.O. Box 61; f. 1855; Dir. A. W. CROMPTON; archæology, ethnology, palæontology, entomology, marine biology, Cape history, zoology; publ. *Annals of the South African Museum* (issued at irregular intervals).

Koopmans de Wet House (Branch of S.A. Museum): 35 Strand Street; specimen of old Dutch house displaying rare period furniture, silver, glass, china and pictures, and illustrating the conditions of domestic life in South Africa in the 18th and 19th centuries.

South African National Gallery: Government Avenue; f. 1871; Dir. JOHN PARIS, M.A., B.LITT (Oxon.).

DURBAN

Durban Museum and Art Gallery: Smith Street; f. 1887; South African fauna, flora, ethnography archæology; works of art; Dir. P. A. CLANCEY; publ. *Novitates.*

Old House Museum: St. Andrews Street; f. 1954; local and Natal historical collections; Curator D. H. STRUTT.

EAST LONDON

East London Museum: Upper Oxford Street; f. 1931; zoology, mammalogy, ornithology, ethnology, entomology, archæology and history; houses first Coelacanth caught in 1938; Chair. Board of Trustees G. G. SMITH; Dir. Miss M. COURTENAY-LATIMER.

GRAHAMSTOWN

Albany Museum: f. 1855; natural history, history, archæology and art; Dir. Dr. T. H. BARRY.

JOHANNESBURG

Africana Museum: Public Library, Market Square; f. 1935; history and ethnology of Africa south of the Zambesi; Dir. Miss ANNA H. SMITH; publs. *Africana Notes and News* (quarterly), *Annual Report*, catalogues of special exhibitions, Frank Connock publications.

Geological Museum: Public Library, Market Square; f. 1890; economic geology especially of Southern Africa, gemmology, mineralogy, physical geology and petrology, South African stratigraphy and archæology; Dir. Miss A. H. SMITH.

Municipal Art Gallery: Joubert Park; f. 1911; European and South African painting and sculpture, print collection, textiles, oriental ceramics; Dir. P. ANTON HENDRIKS.

Museum of Anthropology: attached to the Institute for the Study of Man in Africa; f. 1963.

KIMBERLEY

McGregor Museum: P.O. Box 316; f. 1907; Geology; Archæology of N. Cape; Zoology; Herbarium; outstanding ethnological collection housed in Duggan-Cronin Bantu Gallery, f. 1937; Dir. Dr. R. C. BIGALKE; publs. *The Native Tribes of South Africa, The Rock Engravings of Griqualand West and Bechuanaland, The Flowering Plants and Ferns of Griqualand West, The Bushman Tribes of Southern Africa, Annals of the Cape Provincial Museums* (in conjunction with four other museums).

KINGWILLIAMSTOWN

Kaffrarian Museum: 3 Lower Albert Road; f. 1898; contains the world's largest collection of Southern African mammals; also collections of Eastern Cape ethnological material and material associated with early European settlement; Dir. J. A. BATEMAN, B.SC., M.I.BIOL.; Sec. Miss M. D. CROUCH; publ. *Annual Report*; joint publishers of *Cape Provincial Museums Annals.*

PIETERMARITZBURG

Municipal Art Gallery: City Hall; f. 1903; paintings of the British and Foreign Schools.

Natal Museum: 237 Loop Street; centre of studies on the fauna of South Africa and especially of Natal.

PORT ELIZABETH

Port Elizabeth Museum, Snake Park and Aquarium: Humewood; f. 1885, moved 1959; Museum: whale skeletons, shells and general marine life, fossils, geology and birds; Snake Park: African and worldwide collection of reptiles; Oceanarium: local fish and dolphins; Dir. G. R. MCLACHLAN, M.SC., PH.D.; Ornithologist R. LIVERSIDGE, B.SC.; Technical Assts. G. JONES, J. SPENCE, D. PINKER, D. PICKUP, C. TAYLOR, Mrs. E. K. MACINTOSH, M.A.; Sec. Mrs. D. HASLEM; Hon. Curator of Insects G. C. CLARK; Hon. Curator of Fishes Prof. J. L. B. SMITH; Marine Biologist Miss R. M. TIETZ, B.SC. HONS.

PRETORIA

Transvaal Museum: Paul Kruger Street, P.O. Box 413; f. 1893; comprises: Old Museum (history, ethnology, archæology), New Museum (natural sciences), Paul Kruger House Museum (relics of President Kruger); Dir. V. FITZ-SIMONS, D.SC., C.M.Z.S.; publs. *Annals, Memoirs* and *Bulletins.*

WINDHOEK

South-West Africa State Museum: P.O. Box 1203; Dir. Dr. W. STEYN; publ. *Cimbebasia* (S.W.A. Research).

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UNIVERSITIES

By the University Apartheid *Act, 1959, entry to the universities of South Africa will be progressively restricted to Europeans. By the Fort Hare Transfer Act, the University College at Fort Hare will serve only the Bantu population. Three new University Colleges have been created to serve the non-white population: one in the Mtunzini District of Natal, one at Pietersburg and the other at Belleville. In 1960 a University College for the Indian population was opened at Durban.*

UNIVERSITY OF CAPE TOWN

P.O. BOX 594, CAPE TOWN
Telephone: 694351

Founded 1873

Chancellor: ALBERT VAN DE SANDT CENTLIVRES, B.A., LL.D., D.C.L.
Principal: JACOBUS PETRUS DUMINY, M.A., B.SC., LL.D.
Deputy Principal: DONALD PERCIVAL INSKIP, M.A., LIC.-ÉS-LETTRES.
Registrar: J. G. BENFIELD, B.COM., A.C.I.S.

Number of teaching staff: 55 professors.
Number of students: 5,600.
Library, *see* Libraries.

DEANS:

Faculty of Arts: Prof. A. H. R. E. PAAP, B.LITT., LITT.D.
Faculty of Science: Prof. E. S. W. SIMPSON, M.SC., PH.D.
Faculty of Engineering: Prof. G. H. MENZIES, B.SC., M.I.G.L.S., F.R.I.C.S.
Faculty of Law: Prof. B. BEINART, B.A., LL.B., LL.M.
Faculty of Medicine: Prof. B. BROMILOW-DOWNING, M.B., CH.B.
Faculty of Education: Prof. G. J. J. SMIT, M.A., B.ED., A.I.E.
Faculty of Commerce: Prof. W. H. HUTT, B.COM.
Faculty of Music: Prof. E. CHISHOLM, D.MUS., F.R.C.O.
Faculty of Fine Arts and Architecture: Prof. L. W. THORNTON WHITE, F.R.I.B.A., M.I.A.
Faculty of Social Science: Prof. E. BATSON, B.SC. (ECON.), F.R.S.S.AF.

PROFESSORS:

Faculties of Arts and Sciences:
ABRAHAMS, Rev. I., M.A. (Hebrew).
AHRENS, L. H., M.A., D.S.C., F.R.I.C. (Geochemistry).
AXELSON, E., PH.D. (History).
BAX, D., LITT.D. (Netherlands Cultural History).
CASSON, L. F., M.A., B.LITT., PH.D. (English Language).
DANZIGER, K., B.A., M.SC., D.PHIL. (Psychology).
DAY, J. H. O., D.F.C., B.SC., PH.D., F.R.S.S.AF. (Zoology).
DREOSTI, G. M., PH.D., F.R.S.S.AF. (Fisheries).
HOUSEHAM, K. O., M.SC., M.A., (Pure Mathematics).
HOWARTH, R. G., B.A., B.LITT., F.R.S.L. (English Literature).
LEISEGANG, E. C., PH.D., (Inorganic Chemistry).
LUTJEHARMS, PHIL.NAT.D. (Botany).
MURRAY, A. H., M.A., B.LITT., D.PHIL. (Philosophy).
PAAP, A. H. R. E., B.LITT., D.LITT. (Classics).
PARKYN, D. G., M.A., (Applied Mathematics).
POPE, M. W. M., M.A. (Classics).
ROBERTSON, H. M., M.A., PH.D. (Economics).
ROSTEUTSCHER, J. H. W., DR.PHIL. (German).
RYSCROFT, H. B., M.SC., PH.D. (Botany).
SCHAFFER, W., PH.D. (Physics).
SCHOLTZ, J. DU P., M.A., LITT.D. (Nederlands and Afrikaans).
SHAKLETON, M., M.A., (French).
SIMPSON, E. S. W., M.SC., PH.D. (Geology).
STEPHEN, A.M., M.SC., D.PHIL., A.R.I.C. (Organic Chemistry)
STOY, R. H., C.B.E., PH.D., F.R.S.S.AF. (Astronomy).
TALBOT, W. J., B.SC., F.R.S.S.AF. (Geography).
WILSON, Mrs. M. M., M.A., PH.D., F.R.S.S.AF. (Social Anthropology).

Faculty of Engineering:
GUELKE, R., PH.D., M.I.E.E., F.INST.P. (Electrical Engineering).
METCALF, P., B.SC., M.A. (Mechanical Engineering).
MENZIES, G. H., B.SC., M.I.G.L.S., F.R.I.C.S. (Land Surveying).
ROBERTSON, R. G., M.A., M.I.C.E., M.I.STRUT.E. (Civil Engineering).

Faculty of Law:
BEINART, B., B.A., LL.B., LL.M. (Roman Law).
PRICE, T. W., LL.B., M.A., PH.D. (Roman Dutch Law).

Faculty of Medicine:
ALLEN, C. E. L., G.M., M.D., M.CH., F.R.C.S. (Orthopædics).
BROCK, J. F., M.A., D.M., B.CH., F.R.C.P. (Medicine).
BROMILOW-DOWNING, B., M.B., CH.B. (Medical Education).
COOPER, E. D., M.D., F.R.E.P.S.(G), D.P.H. (Public Health).
FORD, F. J., M.D., F.R.F.P.S.(G) (Child Health).
KENCH, J. E., PH.D., D.SC., M.B., CH.B., F.R.I.C. (Chemical Pathology).
KIPPS, A., M.D. (Bacteriology).
LOUW, J. H., M.B., CH.M. (Surgery).
LOUW, J. T., M.B., CH.M., F.R.C.O.G. (Obstetrics and Gynæcology).
SLOAN, A. W., B.SC., M.D., F.R.F.P.S., M.R.C.P. (Physiology).
THOMSON, J. G., M.D., CH.B. (Pathology).
TURNER, R., M.B., CH.B., D.P.H. (Medical Jurisprudence).
WELLS, L. H., M.B., CH.B., D.SC., F.R.S.S.AF. (Anatomy).

Faculty of Education:
LIGHTON, R. E., B.A., M.A. (English).
SMIT, G. J. J., M.A., B.ED., A.I.E.

Faculty of Commerce:
GREENWOOD, H., F.S.A.A., C.A.(S.A.) (Accounting).
HUTT, W. H., B.COM. (Commerce).

Faculty of Music:
CHISHOLM, E., D.MUS., F.R.C.O.

Faculty of Fine Arts and Architecture:
WHITE, L. W. THORNTON, F.R.I.B.A., M.I.A. (Architecture).

Faculty of Social Science:
BATSON, E., B.SC. (ECON.), F.R.S.S.AF. (Social Science).

THE UNIVERSITY OF NATAL

KING GEORGE V AVENUE, DURBAN
P.O. BOX 375, PIETERMARITZBURG
Telephone: Durban 58561

Founded 1909. Formerly a Constituent College of the University of South Africa; assumed university status 1949.

Chancellor: The Hon. D. G. SHEPSTONE, LL.D.
Chairman: Dr. G. G. CAMPBELL, M.B., CH.B., F.R.C.S.
Vice-Chancellor and Principal: E. G. MALHERBE, M.A., PH.D., LL.D.
Accountant: A. J. LYLE, B.COM., A.I.M.T.A.(SA).
Registrar: P. G. LEEB-DU TOIT, B.COM.
Librarian: S. I. MALAN, M.A., DIP.LIB., A.S.A.L.A.

Library: *see under* Durban and Pietermaritzburg.
Number of lecturers: 377, including 55 professors.
Number of students (1963): 4,150.

Publications: *University of Natal Gazette, Natal University News, Theoria.*

DEANS:

Faculty of Arts: Prof. R. JEHU, M.SC., F.R.G.S., F.G.S.
Faculty of Science: Prof. H. RUND, B.SC., PH.D.
Faculty of Education: Prof. R. G. MACMILLAN, PH.D.
Faculty of Law: Prof. G. M. J. SWEENEY, B.A., LL.B.

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Faculty of Commerce and Administration: Prof. W. J. G. FAIRBAIRN, C.A.(S.A.), A.S.A.A.
Faculty of Engineering: Prof. W. E. PHILLIPS, D.SC.
Faculty of Social Science: Prof. L. KUPER, LL.B., M.A., PH.D.
Faculty of Agriculture: Prof. M. J. OOSTHUIZEN, B.SC. (AGRIC.), M.SC., PH.D.
Faculty of Medicine: Prof. I. GORDON, M.B., CH.B.

PROFESSORS:

ABBOTT, C. W., B.SC.AGRIC., M.SC., PH.D. (Dairy Industry).
ADAMS, E. B., B.SC., M.B., B.CH., M.R.C.P. (Medicine).
ALBINO, R. C., M.A. (Psychology).
BAYER, A. W., D.SC. (Botany).
BAYLES, J. W., D.PHIL. (Chemistry).
BEHRMANN, H. I., M.SC.AGRIC., PH.D. (Agricultural Economics).
BIESHEUVEL, H., B.SC., L.S.A. (Surveying).
BURCHELL, E. M., M.A., LL.B. (Law).
BUSH, S. F., M.SC., D.PHIL., F.R.S.S.AF. (Zoology).
CHAPMAN, D. S., M.S., F.R.C.S. (Surgery).
CLARENCE, N. D., M.SC., PH.D. (Physics).
CONNELL, P. H., B.ARCH., A.R.I.B.A., M.I.A. (Architecture).
CRICHTON, D., M.B., B.CH., PH.D., M.R.C.O.G., F.R.C.S. (Gynæcology and Obstetrics).
DAYMOND, J. R., M.SC., M.I.C.E., A.M.I.STRUCT.E., Chartered Civil Engineer (Civil Engineering).
DE KOCK, E. L., M.A., B.D., D.LITT.ET.PHIL. (Classics).
FAIRBAIRN, W. J. G., C.A. (S.A.), A.S.A.A. (Accounting and Auditing).
FAIRBROTHER, J. A. V., B.SC., D.PHIL., F.INST.P. (Physics).
GARDNER, W. H., B.A. HONS., PH.D. (English).
GORDON, I., M.B., CH.B., F.R.S.S.AF. (Pathology).
GOULD, A. J., PH.D., D.SC. (ENG.), M.I.MECH.E., M.I.C.E. (Mechanical Engineering).
HEATH, J. C. W., A.R.C.A. (Fine Arts).
HORWOOD, O. P. F., B.COM. (Economics).
HULME, S. A., M.SC. AGRIC. (Agronomy).
KEEN, E. N., M.B., CH.B., M.D., F.R.C.S. (Anatomy).
KELLY, T. H., M.COM., PH.D. (Commerce and Public Administration).
KING, L. C., D.SC., PH.D., F.G.S., F.R.G.S., F.R.S.S.A.F. (Geology).
KOTZE, P. H., M.SC. (Animal Husbandry).
KRIGE, E., M.A., D.LITT. (African Studies).
LE ROUX, J. C., B.SC. AGRIC., M.S. (Horticulture and Forestry).
MACMILLAN, R. G., PH.D. (Education).
NIENABER, G. S., M.A., M.ED., LITT.D. (Afrikaans/Nederlands).
OOSTHUIZEN, M. J., B.SC.AGRIC., M.SC., PH.D. (Entomology).
ORCHARD, E. R., M.B.E., PH.D., A.R.I.C.
PHILLIPS, W. E., D.SC. (Electrical Engineering).
POLLAK, HANSI P., M.A., DIP.SOC.WORK (Sociology).
PRESTWICH, M. F., M.A. (History and Political Science).
QUICKE, G. V., M.SC.AGRIC., PH.D. (Biochemistry).
RAYNER, A. A., PH.D. (Biometry).
REID, J. V. O., B.A., B.M., B.CH., M.R.C.S. (Physiology).
ROOKS, A. G., M.DIV., CAND.THEOL. (Divinity).
SCHMIDT, W. H. O., B.A., PH.D. (Educational Psychology).
SCHMIDT-IHMS, MARIA, D.PHIL. (German).
SCHREINER, G. D. L., B.SC., M.A., PH.D. (Physical Chemistry).
SCHUDDEBOOM, PHIL.CAND., M.SC. (Mathematics).
SCOTT, J. D., D.SC. (Pasture Management).
SNEDDON, ELIZABETH, M.A., L.R.A.M. (Speech and Drama).
TERPSTRA, F. J., SC.DR. (Mathematics).
TRICAUD, MARIE, CERT.APT.AU.PROFESSORAT (French).
TRUTER. S. J., D.SC. (Plant Pathology).
VORSTER, P. J. C., B.SC.AGRIC.ENG., D.I.C., M.A.S.A.E. (Agricultural Engineering).
WARREN, F. L., A.R.C.S., D.I.C., PH.D., F.R.I.C. (Chemistry and Chemical Engineering).
WEYERS, W. H., M.SC.AGRIC., PH.D. (Genetics).
WILLIAMS, G., M.A., PH.D. (Geography).
WOODBURN, E. T., B.SC., M.I.CHEM.E. (Chemical Engineering).
(Vacant—Radiology, Philosophy.)

RESEARCH INSTITUTES OF THE UNIVERSITY:

Institute for Parisitology.
Director: R. ELSDON-DEW, M.B., CH.B., M.D., F.R.S.S.AF.

Institute for Social Research: Durban; f. 1953.
Director: L. T. BADENHORST, M.A., D.LITT.

Meyrick Bennett Children's Centre.
Director: B. M. PECHEY, M.A., F.B.PS.S.

Oceanographic Research Institute.
Director: D. H. DAVIES, M.SC., PH.D.

Paint Industries Research Institute: Durban; f. 1948.
Director: G. M. HAMILTON, M.SC.

Sugar Milling Research Institute: Durban; f. 1948.
Director: K. DOUWES DEKKER, D.SC.

Wattle Research Institute: Pietermaritzburg; f. 1946.
Director: H. SHAW, M.SC., PH.D., F.R.I.C.

UNIVERSITY OF THE ORANGE FREE STATE

(Formerly University College of the O.F.S.)

BLOEMFONTEIN

Telephone: 81101

Founded 1855. Formerly a Constituent College of the University of South Africa, Pretoria. Granted independent status 1949, becoming a University of the O.F.S. 1950.

Chancellor: The Rt. Hon. Adv. C. R. SWART, B.A., LL.B., LL.D.(H.C.).
Vice-Chancellor and Rector: Prof. P. W. G. GROENEWOUD, M.SC. (S.A.), D.PHIL (OXON.)
Chairman: S. J. NAUDE.
Registrar: G. P. J. DU TOIT, B.A., B.ECON., LL.B.

Number of lecturers: 203.
Number of students: 2,259.

DEANS:

Faculty of Arts: B. KOK, M.A., D.LITT.
Faculty of Science: Prof. A. P. MALAN, M.SC. (S.A.)
Faculty of Social Science: Prof. J. D. W. KEYTER, M.A., B.ED., D.PHIL.
Faculty of Education: H. BLIGNAULT, B.A., D.ED.
Faculty of Law: Prof. S. J. H. STEVEN, M.A., LL.B.
Faculty of Commerce and Public Administration: Prof. P. J. MALHERBE, B.COM., C.A. (S.A.)
Faculty of Agriculture: Prof. W. H. K. COETZEE, M.SC., PH.D.
School of Music: Prof. LEO QUALE.
Teachers' College: Prof. J. W. LOUBSER, M.A., B.ED.

PROFESSORS:

Faculty of Arts:
BADENHORST, W. J., M.A., D.LITT. (Dutch).
BEUKES, G., M.A., D.LITT. (Dutch).
DEKKER, J. J., M.A., D.PHIL. (German).
HOPWOOD, D., M.A., D.LITT. (English).
KOK, B., M.A., D.LITT. (Dutch).
LANGUAGE, F. J., D.PHIL. (Ethnology).
STRAUSS, H. J., B.A., DOCTS.JUR., (Politics).
VAN DER MERWE, I. R., M.ED., D.ED. (Physical Education).
VENTER, E. A., M.A., PH.D., D.D. (Philosophy).

Faculty of Science:
BOK, L. D. C., M.SC., DR.RER.NAT. (Physical and Applied Chemistry).
BRINK, C. v. d. M., M.SC., D.SC. (Organic and General Chemistry).
DE WIT, J. J. DUYVENE, PHIL.NAT.D. (Zoology).
LAY, G. Q., B.A., D.ARG., A.R.I.B.A., A.M.T.P.I., L.I.A.
MALAN, A. P., M.SC. (Mathematics).
VAN WYK, C. B., M.SC., PH.D. (Applied Mathematics).

Faculty of Social Science:
KEYTER, J. D. W., M.A., B.ED., D.PHIL. (Sociology).

Faculty of Education:
FOURIE, J. J., D.ED. (Pedagogy).

Faculty of Commerce and Public Administration:
DU PLESSIS, C. v. H., M.A., M.SC., D.PHIL. (Economics).
FOURIE, F. C. VAN N., B.A., M.COMM. (Commerce).

Faculty of Agriculture:
BURGER, R. DU T., M.SC., PH.D. (Soil Conservation).
CLAASENS, J. W., M.SC., PH.D. (Dairy Industry).

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COETZEE, W. H. K., M.SC. PH.D. (Biochemistry).
DE VILLIERS, G. D. B., M.SC., D.SC. (Agronomy).
ELOFF, G., M.A., D.SC. (Genetics).
HARTWIG, E. K., M.SC., D.SC. (Plant Pathology).
NEL, J. A., M.SC.(AGRIC.) (Animal Husbandry).

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION

(Formerly Potchefstroom University College for C.H.E.)

POTCHEFSTROOM, TRANSVAAL

Telephone: Potchefstroom 2222

Founded 1869; incorporated in University of South Africa as Constituent College 1921; assumed full university status as Potchefstroom University for Christian Higher Education, March 1951.

Chancellor: Senator JAN DE KLERK.
Vice-Chancellor and Principal: (Vacant).
Vice-Chairman of the Senate: Prof. H. J. J. BINGLE, M.ED., D.PHIL.
President of Convocation: Prof. H. G. SCHULZE, M.A., D.PHIL.
Registrar and Treasurer: S. DU TOIT, M.COMM.
Librarian: Prof. H. C. VAN ROOY, M.A., B.SC., F.S.A.L.A.

Library, *see* Libraries.
Number of lecturers: 163, including 54 professors.
Number of students: 2,118.

DEANS:

Faculty of Arts: Prof. J. H. COETZEE, M.A., D.PHIL.
Faculty of Science: Prof. W. P. ROBBERTSE, M.SC., DR.SC.T.
Faculty of Theology: W. J. SNYMAN, B.A., B.D., THEOL.DRS.
Faculty of Education: Prof. B. C. SCHUTTE, M.SC., D.ED.
Faculty of Economic Sciences: Prof. D. J. VILJOEN, D.COMM.

PROFESSORS:

Faculty of Arts:
BRANDT, P. A., M.A., D.PHIL. (German).
BREED, J., M.A. (Bantu Languages).
CLOETE, T. T., M.A., D.LITT. (Dutch and Afrikaans).
COETZEE, J. H., M.A., D.PHIL. (Social Anthropology and Native Administration).
COETZEE, W. N., M.A., M.ED., D.PHIL. (Latin).
DU PLESSIS, J. S., M.A., D.LITT. (History).
DU PLESSIS, S. J., M.A., M.DIV., TH.M., D.D., D.LITT. (Semitic Languages).
FOURIE, I. J. v. H., M.A., D.PHIL., D.LITT. (English).
HATTINGH, J. M., M.A., D.PHIL. (Psychology).
JOOSTE, J. P., D.D. (Theology).
KRÜGER, D. W., M.A., D.LITT. (History).
POSTMA, A., M.A. (Greek).
ROODE, M. C., B.MUS. (Music).
SCHUTTE, H. J., M.SC., MATH. D. (Mathematics).
SMITH, D. P. J., B.A., M.ED., D.PHIL. (Physical Education).
STOKER, H. G., M.A., D.PHIL. (Philosophy).
SWANEPOEL, H. L., B.A., LL.D. (Law).
VAN DER MERWE, J. S., M.SC., M.A. (Geography).
VAN DER WALT, J. P., M.A., D.PHIL. (Sociology).
VAN ROOY, H. C., M.A., (Librarianship).
VENTER, H., M.A., D.LITT. (Dutch and Afrikaans).

Faculty of Science:
ACKERMANN, P. B., M.SC. (Geology).
BOTHA, P. J., M.SC., PH.D. (Botany).
DE WET, J. M., M.SC., B.SC.ING., D.I.C., PH.D. (Statistics).
GERRITSMA, K. W., DR. SC., DRS.FARM. (Pharmacy).
HAMERSMA, P. J., D.SC. (Physiology).
HATTINGH, J. M., M.A., D.PHIL. (Psychology).
MEYER, M. A. DU T., M.SC., D.SC. (Physics).
POTSIETER, Mrs. M. M., M.SC.(DOM.SC.) (Domestic Science).
ROBBERTSE, W. P., M.SC., DR.SC.T. (Mathematics and Applied Mathematics).
RYKE, P. A. J., M.SC., D.SC. (Zoology).
SCHUTTE, B. C., M.SC., D.EDUC. (Education).
SCHUTTE, H. J. M.SC. MATH.D. (Mathematics).
STOKER, P. H., M.SC., D.SC. (Physics).
TIEDT, J., M.SC., PH.D. (Chemistry).
VAN DER MERWE, J. S., M.A., M.SC. (Geography).
VAN EEDEN, J. A., D.SC. (Zoology).

Faculty of Theology:
DU PLESSIS, H., M.A., B.D. (Missiology).
DU TOIT, S., M.A., M.DIV., D.D. (Old Testament Exegesis).
JOOSTE, J. P., B.A., D.D. (Church Law and History).
SNYMAN, W. J., B.A., B.D., THEOL.DRS. (New Testament Exegesis).
VAN DER WALT, S. J., B.A., M.DIV., D.D. (Dogmatics).
VAN DER WALT, S. P., M.A., B.D., D.PHIL. (Apologetics, Ethics).

Faculty of Education:
BINGLE, H. J. J., M.ED., D.PHIL. (Education).
SCHUTTE, B. C., M.SC., D.ED. (Education).
SNYMAN, J. J., M.A., M.ED., D.ED. (Education).

Faculty of Economic Sciences:
COETLEE, F. J. J., B.A., M.COMM., D.ECON. (Economics).
DE WET, J. M., M.SC., B.SC.ING., D.I.C., PH.D. (Statistics).
SOREDRAGER, A. J. E., M.COMM., D.ECON., B.A., A.C.W.A., A.M.B.I.M., A.I.C.B. (Cost Accounting).
VAN DER WALT, J. P., M.A., D.PHIL. (Sociology).
VILJOEN, D. J., D.COMM. (Commerce and Industrial Organisation).

ATTACHED TO THE UNIVERSITY:

Africa Seminar.
Director: Prof. J. H. COETZEE, M.A., D.PHIL.

Conservatoire for Music.
Head: Prof. M. C. ROODE, B.MUS.

RESEARCH INSTITUTES

Plant Physiology.
Head: Prof. P. J. BOTHA, M.SC., PH.D.

Economics.
Head: D. P. ERASMUS, D.COMM.

Music.
Head: J. J. A. VAN DER WALT, B.SC., M.MUS., D.PHIL.

Zoology.
Head: P. A. J. RYKE, D.SC.

Physics.
Head: M. A. DU T. MEYER, M.SC., D.SC.

INSTITUTIONS IN CO-OPERATION WITH THE UNIVERSITY:

Theological School of the Reformed Church in South Africa.
Rector: Prof. S. P. VAN DER WALT, M.A., D.PHIL.

Potchefstroom College of Education.
Rector: (vacant).

UNIVERSITY OF PRETORIA

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Telephone: 74-3111

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Founded as Transvaal University College 1908. Granted Charter as University of Pretoria 1930.

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Registrar and Financial Adviser: MARTIN SMUTS, M.COM. (B. & A.).

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Number of students: 9,402.

DEANS:

Faculty of Arts: Prof. A. N. PELZER, M.A., D.PHIL.
Faculty of Science: Prof. W. E. SCHILZ, M.SC., D.I.C., PH.D., LL.B.
Faculty of Agriculture: Prof. P. C. J. OBERHOLZER, M.SC. (AGRIC.), PH.D.
Faculty of Law: Prof. E. M. HAMMAN, B.A., LL.D.

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Faculty of Commerce and Public Administration: H. J. J. REYNDERS, M.B.A., D.COM.
Faculty of Veterinary Science: Assoc. Prof. B. C. JANSEN, D.V.SC.
Faculty of Education: Prof. B. F. NEL, B.A., M.ED., LITT. ET PHIL.D., D.PHIL., HON. DR.LITT. ET PHIL.
Faculty of Medicine: Prof. H. W. SNYMAN, M.B., B.CH., M.D.
Faculty of Dentistry: Prof. C. L. DE JAGER, B.A., B.D.S.
Faculty of Engineering: C. A. DU TOIT, B.SC.(ENG.).

PROFESSORS:

Faculty of Arts:

BUNING, TJ., B.SC., M.A., M.ED., D.LITT. (Dutch).
COERTZE, P. J., M.A., D.PHIL. (Social Anthropology).
CRONJÉ, G., M.A., LITT.ET.PHIL.DR. (Sociology).
GEY V. PITTIUS, E. F. W., M.A., PH.D. (Political Science).
GONIN, H. L., M.A., LITT.D., LL.B. (Latin).
GROVÉ, A. P., M.A., D.LITT. (Afrikaans and Dutch Literature).
LOMBARD, J. A., M.A., PH.D. (Economics).
LOUW, S. A., M.A., D.LITT. (Afrikaans, Dutch, and German Linguistics).
MALAN, J. P., B.A., B.MUS., D.PHIL. (Music).
MOSTERT, L. C., B.A., PH.D. (German).
NEWMAN, J., M.A., D.LITT. (Semitic Languages).
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SCHEEPERS, G. H., B.A., M.SC., DR.RER.NAT. (Geography).
SCHLEBUSCH, B. J., M.A., D.PHIL. (Psychology).
SMIT, C., B.A., DIPL.PHYS.ED. (Physical Education).
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TITLESTAD, R. M., M.A., LL.B., (English).
VAN ALPHEN, G., D.LITT. (History of Afrikaans and Netherlands Culture).
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VAN DER WESTHUYSEN, H. M., M.A., D.LITT. (History of Art).
VAN SELMS, A., TH.D. (Semitic Languages).
VAN WARMELO, P., B.A., LL.D. (Roman Law).
VAN WYK, E. B., M.A., D.LITT. (Bantu Languages).
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BEEZHOLD, W. F., M.SC., MATH.ET.PHYS.DR. (Applied Mathematics).
DE WAAL, H. L., DR.PHIL., D.SC. (Organic Chemistry).
ELOFF, F. C., D.SC. (Zoology).
GROBBELAAR, N., M.SC., PH.D. (Plant Physiology and Plant Biochemistry).
MATTHEE, J. J., M.SC., PH.D. (Entomology).
MEIRING, A. L., B.A., B.ARCH., F.R.I.B.A., L.I.A. (Architecture).
MEYER, B. J., M.B., CH.B., D.SC. (Physiology).
MULLER, Mrs. T., M.B., CH.B. (Anatomy).
PRETORIUS, V., D.PHIL. (Physical Chemistry).
SCHEEPERS, G. H., B.A. M.SC., DR.RER.NAT. (Geography).
SCHILZ, W. E., M.SC., D.I.C., PH.D., LL.B. (Inorganic and Analytical Chemistry).
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VAN DER MERWE, J. H., M.SC., PH.D. (Physics).
VAN DER SCHIJFF, H. P., D.SC. (Botany).
ZIETSMAN, P. J., M.SC., B.ED. (Mathematics).

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FÖLSCHER, W. J., M.SC., PH.D. (Agricultural Chemistry).
HAYLETT, D. G., M.SC., PH.D. (Agronomy).
HOFMEYR, J. D. J., M.SC. (AGRIC.), PH.D., D.PHIL. (Genetics).
JANSE, A. J. T., F.E.S., D.SC. (Hon. Prof.) (Systematic Entomology).
JOUBERT, D. M., M.SC.(AGRIC.), PH.D. (Sheep Husbandry and Wool Technology).
KOLBE, F. F. H., D.SC.(AGRIC.) (Agricultural Education and Extension).
LE ROUX, P. M., M.SC.(AGRIC.), PH.D.
LOMBARD, S. H., M.SC.(AGRIC.), PH.D.
MATTHEE, J. J., M.SC., PH.D. (Entomology).
OBERHOLZER, P. C. J., M.SC., PH.D. (Horticulture).
POTGIETER, D. J. J., B.SC., M.SC.(AGRIC.), PH.D.
SMITH, D. J. G., M.S., D.SC.(AGRIC.) (Agricultural Economics).
(Vacant—Pasture Research and Agricultural Engineering.)

Faculty of Law:

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MARÉ, J. A. G., B.A., LL.B. (Bantu Law).
SCHMIDT, C. W. H., B.A., LL.D. (Criminal, Constitutional, Administrative, Public International Law).
VAN DER MERWE, N. J., B.A., LL.D. (Roman Dutch Law, Private International Law).
VAN WARMELO, P., B.A., LL.D. (Roman Law).

Faculty of Theology (Section A):

ENGELBRECHT, B. J., B.A., D.D. (Dogma and Christian Ethics).
MULDER, E. S., D.D. (Old Testament Exegesis and Theology).
PONT, A. D., D.D. (History of Christianity).
VAN RENSBEER, G., S.P.J.J., B.A., D.D. (New Testament Exegesis and Theology).
VAN ZYL, F. J., B.A., D.D. (Philosophy of Religion and Missions).
TOMLINSON, F. R., M.SC., PH.D., D.SC. (Agricultural Economics).
(Vacant—Practical Theology.)

Faculty of Theology (Section B):

DU PREEZ, A. B., M.A., TH.D. (Philosophy of Religion, Dogma and Christian Ethics).
DU TOIT, H. D. A., B.A., TH.D., D.D. (Philosophy of Religion and Missions).
GROENEWALD, E. P., M.A., TH.D., D.D. (New Testament Exegesis and Theology).
KRITZINGER, J. H., M.A., TH.D. (Old Testament Exegesis and Theology).
MARAIS, B. J., M.A., M.TH., D.PHIL. (History of Dogma and Canon Law).
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WIJNHOLDS, H. W. J., JUR.DR. (Commerce, Money, and Banking).

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VAN DER WALT, K., B.V.SC. (Veterinary Medicine).
VAN HEERDEN, J. S., B.V.SC. (Genesiology).

Faculty of Education:

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DU TOIT, J. J., DR.PED., D.PHIL. (General History of Education and Pedagogics).
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OBERHOLZER, C. K., M.A., D.PHIL., D.ED. (Educational Ethics).
PELZER, A. N., M.A., D.PHIL. (History of Education in South Africa).
SMIT, C., B.A., DIP.PHYS.ED. (Physical Education).

Faculty of Medicine:

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BOTHA, D., M.B., CH.B., M.MED. (Pharmacology).
COETZEE, J. N., M.B.CH.B., M.D. (Microbiology).
DAVEL, J. G. A., M.R.C.P., F.R.C.S., B.M., B.CH., M.A., M.SC., D.C.H. (Children's Diseases).

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GELDENHUYS, F. G., M.B., CH.B., M.D., M.R.C.O.G. (Gynæcology and Obstetrics).
KOK, O. V. S., M.B., CH.B., D.T.M., F.F.A.R.C.S. (Anæsthetics).
LAMONT, A. McE., M.B., CH.B., M.D. (Psychiatry).
LOUBSER, C. J. N., B.SC., B.A., M.B., CH.B., D.P.H., M.D. (Forensic Medicine).
MEYER, B. J., M.B., CH.B., D.SC. (Physiology).
MULLER, Mrs. T., M.B., CH.B. (Anatomy).
OOSTHUIZEN, S. F., M.D., D.SC., F.R.C.P., D.M.R., F.C.C.P., F.A.C.R., F.F.R. (Radio-Diagnosis).
PIJPER, A., M.D., L.M.S.S.A., D.SC. (Institute of Pathology).
SNYMAN, H. W., M.B., CH.B., M.D. (Medicine).
TE GROEN, L. J., M.D., F.R.C.O.G. (Medical Ethics).

Faculty of Dentistry:

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DU PLESSIS, G. T. C. F., L.D.S., B.SC. (Prosthetics and Dental Mechanics).
SCHOEMAN, P. J., B.SC., B.D.S. (Conservation).
SNYMAN, P. C., B.D.S., F.D.S.R.C.S. (Oral Surgery).

Faculty of Engineering:

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DU TOIT, C. A., B.SC.(MECH.ENG.) (Mechanical Engineering).
HEYMANN, F. G., M.SC.(ENG.), A.M.(S.A.), I.E.E., A.M.I.C.E. (Electrical Engineering).
SCHOEMAN, D. T., M.SC.(ENG.), PH.D. (Chemical Engineering).
VAN ROOYEN, G. T., B.SC.(ENG.), SC.D., M.COMM. (B. & A.) (Metallurgical Engineering).

RHODES UNIVERSITY

(Formerly Rhodes University College)

GRAHAMSTOWN

PORT ELIZABETH

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Telegraphic Address: Rhodescol

Founded 1904.

Chancellor: (Vacant).
Chairman of the Council: S. B. HOBSON, M.A., LL.D., M.P.C.
Principal and Vice-Chancellor: T. ALTY, PH.D., D.SC., D.C.L., LL.D.
Registrar: R. MARTIN, O.B.E., M.C.
Librarian: F. G. VAN DER RIET, M.A., DR. DE L'UNIV. DE PARIS, A.B.L.S.

Library, *see* Libraries.
Number of teachers: 128, including 29 professors.
Number of students: 1,606.

DEANS:

Faculty of Arts: R. K. J. E. ANTONISSEN, D.PHIL., D.LIT.
Faculty of Science: D. W. EWER, M.B.E., M.A., PH.D., F.R.E.S., F.R.S.S.AF.
Faculty of Education: D. M. MORTON, B.SC., M.A., ED.B.
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Faculty of Divinity: W. D. MAXWELL, T.D., B.A., B.D., PH.D., D.D.
Faculty of Law: R. G. MCKERRON, M.A., D.C.L., Q.C.
Faculty of Social Science: J. IRVING, M.A., D.PHIL.

PROFESSORS:

ANTONISSEN, R. K. J. E., D.PHIL., D.LIT. (Afrikaans-Nederlands).
BRADSHAW, R., A.R.C.A., A.R.E. (Fine Arts).
BUTLER, F. G., M.A. (S.A.), M.A. (Oxon.), (English).
CATTANEO, J. L., M.A. (S.A.), B.ES.L. (French).
CRUISE, S. E., M.A. (Pure Mathematics).
DILKE, O. A. W., M.A. (Classics).
GERBER, J. J., B.SC., M.ED. (Education).
GLEDHILL, J. A., M.SC., PH.D. (Physics).
GRUBER, G., D.PHIL. (Music).
HEWSON, L. A., M.A., PH.D. (New Testament Studies).
HINCHCLIFF, P. B., M.A., PH.D. (Ecclesiastical History).
HOUGHTON, D. H., B.A., M.A. (Economics and Politics).
IRVING, J., M.A., D.PHIL. (Sociology).
KRITZINGER, C. C., M.SC., PH.D., A.R.I.C. (Wool Textile Research).
MCKERRON, R. G., M.A., D.C.L., Q.C. (Law).
MAXWELL, Mrs. W. A., M.A., B.LITT. (History).
MAXWELL, W. D., T.D., B.A., B.D., PH.D., D.D. (Divinity).
MAYER, P., B.SC., D.PHIL., DR.JUR. (Social Anthropology).
MORTON, D. M., B.SC., M.A., ED.B. (Education).
MOUNTAIN, E. D., M.A., D.SC. (Geology).
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OOSTHUIZEN, D. C. S., M.A. (Philosophy).
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SMITH, H. H., M.COM., PH.D. (Commerce).
SMITH, J. L., B.A., M.SC., PH.D., F.R.S. (S.A.) (Ichthyogical Research).
TWYMAN, E. S., M.SC., PH.D. (Botany).
WILD, E. H., M.SC., PH.D. (Psychology).

UNIVERSITY OF SOUTH AFRICA

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Founded 1873, Royal Charter 1877.

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Vice-Chancellor and Principal: Prof. S. PAUW, B.SC., M.A., D.PHIL.
Chairman of the Council: Dr. S. P. E. BOSHOFF, M.A., LITT.D.
Registrar: B. F. J. VAN RENSBURG, B.A., M.COM.

Number of lecturers: 155.
Number of students: 14,600.

Publications: *Communications of the University of S. Africa, Mousaion, University Calendar and Prospectus, Unisa, Codisillus.*

DEANS:

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Faculty of Divinity: Prof. J. A. LOMBARD, B.A., B.D., D.D.

PROFESSORS:

BEETON, D. R., M.A. (English).
BLIGNAUT, F. W., M.A., D.LITT ET PHIL. (Psychology).
CILLIERS, D. H., M.A., M.ED., D.PHIL. (Education; Method and Administration).
CILLIERS, J. A., M.COM., C.A. (S.A.) (Accounting).
DE VLEESCHAUWER, H. J., PHIL.D., CAND.HIST., LL.D. (Philosophy and Bibliography).
DU TOIT, L. M., M.COM., C.A. (S.A.) Auditing).
ERASMUS, O. C., B.A., D.ED. (Philosophy of Education).
EYBERS, I. H., M.A., TH.D., PH.D. (Theology).
HAFFTER, P., D.PHIL. (French and Italian).
HOSTEN, W. J., B.A., LL.B. (Roman Law and Comparative Law).
JOUBERT, W. A., M.A., LL.D. (Private Law).
KROGH, D. C., B.COM., M.A., EC.DRS., D.PHIL. (Economics and Economic History).
LOMBARD, J. A., B.A., B.D., D.D. (Theology).
MARAIS, G., M.COM., PH.D. (Business Economics).

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MYBURGH, A. C., B.A., LL.B., D.PHIL. (Anthropology and Bantu Law).
NAUDE, C. P. T., M.A., D.LITT. ET PHIL. (Classical Languages).
NIENABER, P. M., B.A., LL.B. (Private Law).
PEROLD, G. W., D.SC., DR.SC.TECH. (Chemistry).
RADEL, F. E., DIPL.RER.OEC., D.COM. (Business Economics).
ROODE, D. J., B.MUS., L.R.A.M., A.R.C.M., U.T.L.M., U.P.L.M. (Music).
ROUX, A. S., M.A., D.PHIL. (Psychology).
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SCHNEIDER, B. A. T., M.A., D.LITT. (German).
STEYN, H. S., M.SC., D.SC., PH.D. (Mathematical Statistics).
STEYN, J. L., M.A., D.LITT. (Afrikaans-Nederlands).
STRAUSS, S. A., B.A., LL.B., (Public Law).
VAN DER MERWE, H. J. J. M., M.A., D.LITT. (Afrikaans-Nederlands).
VAN DER MERWE, J. H., M.SC., PH.D. (Mathematics and Applied Mathematics).
VAN DER WALT, J. A., M.A., D.PHIL. (Sociology).
VAN DER WALT, P. J., M.A., B.ED., D.PHIL. (Criminology).
VAN JAARSVELD, F. A., M.A., LIT. ET PHILOS.DR. (History).
VAN ROOYEN, I. J. J., M.A., D.PHIL. (Social Work).
VAN WIJK, T., M.A. (History).
VENTER, E. H., B.A., B.COM., D.ED. (Empirical Education).
VENTER, I. S. J., B.A., D.ED. (History of Education).
VILJOEN, G. VAN N., M.A., LL.B., D.LITT. ET PHIL. (Classical Languages).
ZIERVOGEL, D., M.A., D.LITT. (Bantu Languages).

AFFILIATED COLLEGES:

University College for Indians: Durban; *see* following pages.
University College of Fort Hare: Fort Hare; *see* following pages.
University College of the North: Pietersburg; *see* following pages.
University College of Zululand: Ngoye; *see* following pages.
University College of Western Cape: Belleville, Cape Town; *see* following pages.

UNIVERSITY OF STELLENBOSCH

STELLENBOSCH
Telephone: 1251
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Founded 1918.

Chancellor: T. E. DÖNGES, M.A., LL.D., HON.D. PHIL.
Vice-Chancellor: Rev. J. S. GERICKE, B.A.
Principal: H. B. THOM, M.A., D.PHIL.
Registrar: S. J. PRETORIUS, M.SC., PH.D.
Librarian: G. V. MARAIS, M.A., B.SC.

Number of teachers: 375.
Number of students: 5,330.
Publications: *Annals of the University, Calendar.*

DEANS:

Faculty of Arts and Philosophy: F. SMUTS, M.A., D.LITT.
Faculty of Science: Prof. G. G. CILLIÉ, M.SC., D.PHIL.
Faculty of Education: J. F. A. SWARTZ, M.A., D.PHIL.
Faculty of Agriculture: Prof. J. C. SWART, M.SC., D.SC. (AGRIC.).
Faculty of Law: Prof. J. C. DE WET, LL.D.
Faculty of Theology: J. J. MULLER, M.A., TH.DR., D.D.
Faculty of Commerce: J. L. SADIE, M.COMM., ECON.D.
Faculty of Engineering: Prof. A. HEYDORN, DIPL.ENG., M.(S.A.)I.E.E.
Faculty of Medicine: Prof. F. D. DU T. VAN ZYL, CH.B., F.R.C.
Faculty of Forestry: Prof. G. J. F. HARTWIG, DR.DEC.PUBL.
Faculty of Military Science: Prof. P. J. G. DE VOS, M.SC., D.SC.

PROFESSORS:

Faculty of Arts and Philosophy:
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CILLIERS, S. P., M.A., D.PHIL. (Sociology).
DE VILLIERS, M., M.A., PH.D. (German Philology).
DU TOIT, J. M., M.SC., PH.D. (Psychology).
ENGELEN, A. P. F. L., DIPL.CONSERV. (Antwerpen).
ERLANK, W. J. DU P., B.A., D.LITT. (Dutch).
FENSHAM, F. C., M.A., D.D., PH.D. (Semitic Languages).
HARVEY, C. J. D., M.A. (English).
KEMPEN, W., M.A., D.LITT. (Afrikaans).
KIRSTEN, J. F., M.A., D.PHIL. (Philosophy).
KOTZÉ, D. J., M.A., D.PHIL. (History).
NEL, A., M.A., D.PHIL. (Geography).
OLIVIER, N. J. J., M.A., LL.B. (Bantu).
OPPERMAN, D. J., M.A., D.LITT. (Afrikaans).
SCHRODER, O. (Fine Arts).
SMUTS, F., M.A., LITT.D. (Classics).
THERON, ERIKA, M.A., D.PHIL. (Social Science).
THERON, P. A., M.A., D.PHIL. (Psychology).
THOM, H. B., M.A., D.PHIL. (History).
TRÜMPELMANN, J., PH.D., D.PHIL. (German).
VAN DER MERWE, A. B., M.A., M.B., CH.B., D.PHIL. (Psychology).
VAN DER MERWE, P. J., M.A., LITT.D. (History).
VAN RENSBURG, J. P. J., M.A., D.LITT. (Classics).

Faculty of Science:
CILLIÉ, G. G., Jnr., M.SC., PH.D. (Mathematics).
CILLIERS, A. C., M.SC., PH.D. (Theoretical Physics).
DU TOIT, C. A., M.SC., PH.D. (Zoology).
FRAHN, W. E. (Nuclear Physics).
GÖLDNER, S. R. F., M.SC., PH.D. (Mathematics).
JORDAAN, P. G., M.SC., D.SC. (Botany).
KRIGE, G. J. R., M.SC., PH.D. (Physical Chemistry).
ROHWER, E. F. C. H., M.SC., DR.RER.NAT. (Inorganic Chemistry).
SCHOLTZ, D. L., D.SC. (Geology).
TALJAARD, M. S., D.SC. (Geology).
VAN DER MERWE, P. W., M.SC., PH.D. (Organic Chemistry).
ZEEMAN, P. B., M.SC., D.SC. (Experimental Physics).

Faculty of Medicine:
BREDE, H. H. D., PRIV. DOZ. DR. MED. (Medical Microbiology).
BRINK, A. J., M.B., B.CH., M.D., M.R.C.P. (Medicine).
BRINK, H. E., D.SC. (Physiology).
DE VILLIERS, J. N., M.B., CH.B., M.O. & G., B.A. (Gynæcology and Obstetrics).
KIRSTEN, J. F. V. E., M.B., CH.B., F.R.C.S. (Anatomy).
VAN ZYL, F. D. DU T., M.B., CH.IM., F.R.C.S. (Surgery).
WEBER, H. W., DR.MED. (Pathology).

Faculty of Education:
CRAVEN, D. H., M.A., D.PHIL. (Physical Education).
DU TOIT, P. S., M.ED., D.PHIL. (History of Education).
GUNTER, C. F. G., M.A., D.ED., D.PHIL. (Philosophy of Education).
SONNEKUS, M. C. H., B.COMM., D.ED. (Educational Psychology).
SWARTZ, J. F. A., M.A., D.PHIL. (Method of Education).

Faculty of Agriculture:
DE WET, A. F., M.SC.(AGRIC.) (Pomology).
DÜRR, H. J. R., M.SC., D.SC. (Entomology).
LAUBSCHER, F. X., D.SC.(AGRIC.) (Genetics).
LIEBENBERG, C. R., M.SC.(AGRIC.) (Poultry).
LOUW, A. J., D.SC. (Phytopathology).
LOUW, H. A., M.SC.(AGRIC.), PH.D. (Microbiology).
NEL, R. I., D.SC.(AGRIC.) (Food and Technology).
PEROLD, I. S., M.SC.(AGRIC.), D.SC.(AGRIC.) (Biochemistry).
PEROLD, R. P., M.SC.(ENG.), B.SC. (Agricultural Engineering).
SIM, J. T. R., B.SC., M.SC., D.SC. (AGRIC.) (Field Husbandry).
SLABBER, M. H., D.SC.(AGRIC.) (Agricultural Chemistry).
SMIT, C. J. B., B.SC., PH.D. (Food and Technology).
SWART, J. C., D.SC. (AGRIC.) (Animal Husbandry).
THERON, A. A., M.SC., PH.D. (Agricultural Chemistry).

Faculty of Law:
DE VILLIERS, A. B., LL.D.
DE WET, J. C., LL.D.
VAN DER WESTHUIZEN, W. M., LL.D.
YEATS, J. P., LL.D. (Commercial Law).

Faculty of Theology:
HANEKOM, T. N., M.A., D.D. (Ecclesiological Subjects).
KOTZE, J. C. G., B.A., D.D. (Practical Theology).
MÜLLER, J. J., M.A., TH.D., D.D. (New Testament).

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POTGIETER, F. J. M., M.A., TH.D., PH.D. (Historical Theology).
VAN DER MERWE, W. J., B.A., PH.D. (Science of Missions).
VERHOEF, P. A., M.A., TH.D. (Old Testament).

Faculty of Commerce:
SADIE, J. L., M.COMM., EC.D. (Economics).
SCHUMANN, D. E. W., M.COMM., PH.D. (Statistics).
SMITH, C. A., B.COMM., C.A. (Accounting).

Faculty of Engineering:
HEYDORN, A., DIP.ENG., M.(S.A.), I.E.E. (Electrical Engineering).
KEMP, J. F., B.SC.(ENG.), M.ENG., PH.D.(ENG.) (Mechanical Engineering).
LE ROUX, J. M., M.SC., PH.D. (Applied Mathematics).
TRUTER, R., B.A., B.SC.(ENG.), A.M.INST.C.E., L.K.INST.ENG. (Civil Engineering).

Faculty of Forestry:
BORGIN, K. B., MAG.SCIENT., FIL.KAND., D.SC. (Wood Technology-Chemistry).
DEETLEFS, P. P. DU T., B.SC., M.F., D.F. (Forest Management).
HARTWIG, G. L. F., B.SC. (Forestry), DR.OEC.PUBL. (Wood Technology).
WICHT, C. L., B.SC., B.A., DR.ENG., F.R.S. (Forestry).

Faculty of Military Science:
DE VOS, P. J. G., M.SC., D.SC.

UNIVERSITY OF THE WITWATERSRAND

JOHANNESBURG, TRANSVAAL

Telephone: 835-8181

Founded 1922.

Chancellor: The Hon. O. D. SCHREINER, M.C., M.A., HON. LL.D.
Chairman of the Council: B. L. BERNSTEIN, B.A. (HONS.), LL.B.
Principal and Vice-Chancellor: I. D. MACCRONE, M.A., D.PHIL.
Vice-Principal: I. GLYN THOMAS, M.A.
Registrar: A. J. DE V. HERHOLDT, B.COM.
Librarian: J. W. PERRY, M.A., DIP.LIBR., F.L.A.

Library: *see* Libraries.
Number of students: 6,333.

DEANS:

Faculty of Architecture: Prof. J. FASSLER, B.ARCH., A.R.I.B.A., A.M.T.P.I., M.I.A.
Faculty of Arts: Prof. M. VALKHOFF, D.LITT. et PHIL.
Faculty of Commerce: Prof. C. S. RICHARDS, M.COM., D.SC. (ECON.).
Faculty of Dentistry: Prof. J. STAZ, D.D.S., H.D.D., L.D.S., R.C.S.(ENG.), F.R.S.S.AFR.
Faculty of Engineering: Prof. G. R. BOZZOLI, D.SC., M.I.E.E.
Faculty of Law: Prof. H. R. HAHLO, DR.JUR., LL.B.
Faculty of Medicine: Prof. G. A. ELLIOTT, O.B.E., M.D., F.R.C.P., F.R.S.S.AFR.
Faculty of Science: Prof. S. P. JACKSON, M.A., D.I.C., PH.D.

PROFESSORS:

Faculty of Architecture:
FASSLER, J., B.ARCH., A.R.I.B.A., A.M.T.P.I. M.I.A., (Architecture and Quantity Surveying).

Faculties of Arts and Science:
BACKEBERG, O. G., M.A., D.SC., F.R.I.C. (Organic Chemistry).
BALINSKY, B. I., D.SC. (Zoology).
BLEKSLEY, A. E. H., D.SC., F.R.S.S.AFR. (Applied Mathematics).
COCKAM, B., C.M.G., O.B.E., M.A., PH.D. (International Relations).
COETZEE, A. J., M.A., D.LITT., D.LITT. ET PHIL. (Afrikaans Language and Folklore).
COLE, D. T., M.A. (Bantu Languages).
DAVIS, S., M.A., D.LITT. (Classics).
GEVERS, T. W., M.A., D.SC., DR.PHIL. (Geology).
GEYSER, A. S., M.A., D.D. (Divinity).
GOURLAY, N., M.A., ED.B., PH.D. (Education).
ISAACS, G. L., M.SC., PH.D. (Mathematics).
JACKSON, S. P., M.A., D.I.C., PH.D. (Geography).
KERRICH, J. E., M.SC., ACTUARIAL DIP., F.R.A.S., F.S.S. (Statistics).
LACHMANN,, L. M., M.SC.(ECON.), DR.RER.POL. (Economics and Economic History).
LANHAM, L. W., PH.D., DIP. NAT. AFFAIRS (Phonetics and General Linguistics).
LE MAY, G. H. L., M.A. (Political Studies incl. Local Government).
LOUBSER, J. H. N., M.SC., D.PHIL.
MARAIS, J. S., M.A., D.PHIL. (History).
MARTIENSSEN, HEATHER, B.ARCH., M.A., PH.D. (Fine Arts).
NABARRO, F. R. N., M.B.E., M.A., D.SC. (Physics).
PARTRIDGE, A. C., M.A., PH.D. (English).
ROUX, E. R., M.SC., PH.D. (Botany).
SCHNEIDER, M.MUS., PH.D., L.R.U.C.T., L.R.U.C.P.
SEBBA, F., M.SC., PH.D., D.I.C., F.R.I.C. (Physical and Inorganic Chemistry).
SEIDLER, H., PH.D. (German).
SELLSCHOP, J. P. F., M.SC., PH.D. (Nuclear Physics).
VALKHOFF, M., D.LITT. ET PHIL. (Romance Studies).
VAN WYK LOUW, N. P., M.A., B.ED., D.LITT. (Afrikaans and Nederlands).
WAGNER, O. J. M., M.A., D.PHIL. (Sociology).
(Vacant—Italian, Philosophy, Archæology, Geophysics, Philosophy, Psychology, Hebrew, Social Anthropology.)

Faculty of Commerce:
RICHARDS, C. S., M.COM., D.SC. (ECON.) (Commerce).
WIMBLE, B. J. S., C.A. (S.A.), F.S.A.A. (Accounting).

Faculty of Dentistry:
BROWN, L. J., L.D.S., R.C.S. (Maxillo-facial and Oral Surgery, part-time).
DODDS, A. E., B.SC., B.ED., B.D.S. (Dental Science).
DREYER, C. J., B.SC., B.D.S., H.D.D. (Experimental Odontology).
HOSSACK, F. A., L.D.S., R.F.P.S., M.D.S. (Dental Science, part-time).
SHEPHERD, G. F., L.D.S. (Dental Science, part-time).
STAZ, J., D.D.S., H.D.D., L.D.S., R.C.S., F.R.S. (Dental Science).

Faculty of Engineering:
BOZZOLI, G. R., D.SC.(ENG.), M.I.E.E. (Electrical Engineering).
CORMACK, W., D.SC.(ENG.), M.I.E.E. (Electrical Engineering).
HOWAT, D. D., B.SC., PH.D., F.R.I.C., F.I.M.
JENNINGS, J. E. B., B.SC., S.M., M.A.S.C.E., M.S.A.I.C.E., M.I.C.E. (Civil Engineering).
LAUF, G. B., D.SC. (ENG.) (Surveying).
MIDGLEY, D. C., B.SC.(ENG.), PH.D., A.M.I.C.E. (Hydraulic Engineering).
OCKLESTON, A. J., B.E., PH.D., D.SC.(ENG.) (Mechanical Engineering).
SMOLENIEC, S., M.SC., D.I.C., PH.D., A.M.I., MECH.E., A.F.R.AE.S., M.S.A.I.MECH.E.
VOLCKMAN, O. B., B.SC., PH.D., A.R.C.S., M.I.CHEM.E. (Chemical Engineering).
(Vacant—Mining Engineering.)

Faculty of Law:
HAHLO, H. R., LL.B., DR.JUR. (Law).
KAHN, E., B.COM., LL.B. (Law).
(Vacant—Roman Law.)

Faculty of Medicine:
BECKER, B. J. P., M.D., B.CH., D.P.H., D.M.T. & H. (Morbid Anatomy and Histopathology).
DU PLESSIS, D. J., M.B., M.CH., CH.M., F.R.C.S. (Surgery).
EDELSTEIN, J. M., M.B., B.CH., M.CH.ORTH., F.R.C.S. (Orthopædic Surgery).
ELLIOTT, G. A., O.B.E., M.D., F.R.C.P., F.R.S.S.AFR. (Medicine).
FRIEDMAN, J., M.D., B.CH., D.P.H. (Forensic Medicine).
HEYNS, O. S., M.A., D.SC., M.R.C.S., L.R.C.P., F.R.C.O.G., F.I.C.S. (Obstetrics and Gynæcology).
HURST, L. A., B.A., B.SC., M.B.CH.B., PH.D., M.D. (Psychiatry and Mental Hygiene).
KAYE, J., M.R.C.S., L.R.C.P., D.M.R. (Radiology).
NICOLSON, J. C., M.B., CH.B., D.A., R.C.P. & S. (Anaesthesia).
STEIN, H. B., M.D., M.SC., B.CH., D.P.H., D.C.P. (Chemical Pathology).
TOBIAS, P. V., PH.D., M.B.B.CH., F.R.A.I., F.R.S.S.AFR. (Anatomy).
WYNDHAM, C. H., M.R.C.P., M.B.B.CH.
(Vacant—Pharmacology, Preventive and Social Medicine.)

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Bernard Price Institute of Geophysical Research: f. 1937.
Director: (Vacant).

Bernard Price Institute of Palæontological Research: f. 1946.
Chairman of Board of Control: I. GLYN THOMAS, M.A.

Ernest Oppenheimer Institute of Portuguese Studies.
Visiting Professorship.

Speech, Voice and Hearing Clinic.
Deputy Director: Mrs. S. BAUMAN, M.A.

University—C.S.I.R. Dental Research Unit.
Director: Prof. C. J. DREYER, B.SC., B.D.S., H.DIP.DENT.

University Field Research Station, Frankenwald.
Chairman of Board of Management: W. VAN HEERDEN, B.A.

UNIVERSITY COLLEGE OF FORT HARE

FORT HARE, CAPE PROVINCE
Telephone: Alice 20
Telegraphic Address: Hoof, Fort Hare

Founded 1916, since 1959 for Xhosa students only.

Chairman of Council: Prof. S. PAUW, B.SC., M.A., D.PHIL.
Chairman of Advisory Council: S. MABUDE.
Rector: J. J. ROSS, B.SC., B.ED., M.A., B.ADMIN., LL.B.
Bursar: F. P. G. HUNTER, B.A., LL.B.
Registrar: H. J. DUPREEZ, B.A.

Library: *see* Libraries.
Number of teachers: 57, including 13 professors.
Number of students: 390.

DEANS:

Faculty of Arts: Prof. K. JACOBS, LIT.MUS., DRS. D.LITT.
Faculty of Education: Prof. J. P. BOTMA, M.A., D.ED.
Faculty of Science: Prof. M. H. GIFFEN, M.A., M.SC.
Faculty of Law: Prof. D. PONT, LL.D., LL.B.
Faculty of Theology: Prof. Rev. G. C. OOSTHUIZEN, M.A., D.PHIL., TH.D.
Faculty of Commerce: Dr. J. G. SMAL, D.COMM.

PROFESSORS:

BOTMA, J. P., M.A., D.ED. (Education).
COETZEE, A., M.A., DIPL.THEOL., D.LITT. (Dutch and Afrikaans).
COETZEE, G. C., D.PHIL. (History).
DAVIDSON, J. T., M.SC. (Physics).
GALLOWAY, A. S., PH.D., F.R.I.C. (Chemistry).
GIFFEN, M. H., M.A., M.SC. (Botany).
GREEN, J. T., M.A., PH.D. (English).
JACOBS, K., LIT.HUM.DRS., D.LITT. (Classics).
JOUBERT, H. L. N., M.A., M.TH., D.D. (Divinity).
LIDDELL, R. H. R., M.A., D.D. (Theology).
MEIRING, A. J. D., M.SC., PH.D. (Zoology).
MULLER, Y., M.A., D.LITT. ET PHIL. (Psychology).
OOSTHUIZEN, Rev. G. C., M.A., D.PHIL., TH.D. (Divinity).
PONT, D., DR.JUR., LL.B. (Law).
RAUCHE, G. A., D.PHIL. (Philosophy).
RAUM, O. F., B.A.(HONS.), PH.D. (African Studies).
SEBONI, M. O. M., B.A., D.ED. (Education).

UNIVERSITY COLLEGE OF ZULULAND

MTUNZINI DISTRICT, NATAL

Rector: Dr. P. A. W. COOK, M.A., B.ED., PH.D.
Chairman of the Council: Prof. J. P. BRUWER, M.A., D.PHIL,
Registrar: C. J. HENN.

Number of teachers: 30.
Number of students: 136.

DEANS:

Faculty of Arts: Prof. A. J. ANTONITES, M.A., D.LITT.
Faculty of Science: Dr. F. K. PETERS, M.SC., DR.ING.
Faculty of Education: Prof. Dr. G. J. ACKERMANN, B.A., M.ED., D.ED., T.E.D.

PROFESSORS:

ACKERMANN, G. J., B.A., M.ED., D.ED., (Education).
ANTONITES, A. J., M.A., D.LITT. (Africaans-Nederlands).
DU PLESSIS, D. J., M.SC., D.PHIL. (Chemistry).
VAN ROOYEN, D. A., M.SC. (Mathematics).

UNIVERSITY COLLEGE OF THE NORTH

P.O. SOVENGA, PIETERSBURG
Central Telephone No.: Sovenga 33

Founded 1959 to serve the Tsonga, Sotho and Venda peoples.

Rector: Prof. E. F. POTGIETER, B.A., M.A., B.A.(HONS.), D.PHIL.
Registrar: W. N. GALLOWAY.
Librarian: C. P. BOTHMA, B.SC., H.DIPL.BIBL.

Number of teachers: 52.
Number of students: 245.

DEANS:

Faculty of Arts: Prof. TH. ENDEMANN, M.A., M.ED., D.LITT.
Faculty of Education: Prof. J. G. GARBERS, B.SC., M.ED., D.LITT. ET PHIL., D.ED.
Faculty of Mathematics and Natural Sciences: Prof. A. J. B. WILD, M.SC., D.SC.

PROFESSORS:

Faculty of Arts:
CRAUSE, H. L., M.A., D.PHIL. (Sociology).
ENDEMANN, TH., M.A., M.ED., D.LITT. (Bantu Languages).
LOUW, M. J., M.A., D.LITT.ET PHIL. (Geography).
SMUTS, M. W., M.A., D.LITT. (English).
SWANEPOEL, J., B.A., B.ECON., D.COM. (Economics).
VAN DYK, T. A., B.SC., M.A. (Psychology).
VAN HERRDEN, C., M.A., D.LITT. (Afrikaans-Nederlands).
WIID, A. J. B., M.SC., D.SC., (Mathematics).

Faculty of Education:
GARBERS, J. G., B.SC., M.ED., D.LITT.ET PHIL., D.ED.
KGWARE, W. M., M.A., M.ED.,

Faculty of Mathematics and Natural Sciences:
FOURIE, D. J., D.SC.

UNIVERSITY COLLEGE OF THE WESTERN CAPE

BELLEVILLE

Founded 1960, for Coloured, Griqua, Malay and Cape Indian students.

Rector: Prof. J. G. MEIRING.
Registrar: J. F. LOUW.

Number of professors: 26.
Number of students: 313.

Faculties of Arts, Science, Law, Education and Commerce.

UNIVERSITY COLLEGE FOR INDIANS

PRIVATE BAG, DURBAN
Telephone: 86-1314

Founded 1960, for Indian students.

Rector: Prof. S. P. OLIVIER, M.ED., D.PHIL., A.I.E.
Registrar: G. E. HEYSTEK.
Librarian: P. H. OESCHGER, B.A., U.D.B., F.S.A.L.A.

Number of teachers: 55.
Number of students: 623.

DEANS:

Faculty of Arts: Prof. L. R. HEIBERG, M.A., D.LITT.
Faculty of Science: Prof. F. J. PATON, M.SC., PH.D., A.R.I.C.

HEADS OF DEPARTMENTS:

Afrikaans: Prof. L. R. HEIBERG, M.A., D.LITT.
Arabic: Y. D. ZABLITH, M.D.

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Botany: O. A. M. LEWIS, M.SC., PH.D.
Chemistry: Prof. F. J. PATON, M.SC., PH.D., A.R.I.C.
Commercial Subjects: F. CALITZ, M.COMM.
Education: Prof. A. L. BEHR, B.SC., B.A., T.I.I., U.E.D., D.ED.
English: W. ARNOTT, M.A.
Geography: Prof. E. STANDER, M.A., S.O.D., M.E.D., D.PHIL.
Fine Arts: J. W. GROSSERT, M.A., N.A.T.C.
Hindi: S. N. C. V. ACHARYULU, Ubhaya-Bhasha-Praveena of the Andra University.
History: Prof. C. R. KOTZÉ, M.A., D.PHIL., U.O.D.
Hygiene: A. L. FERGUSON, M.B., CH.B., Dipl. in Tropical Medicine and Hygiene, Dipl. in Public Health.
Law: Adv. N. E. WIEHAHN, B.A., LL.B.
Mathematics and Applied Mathematics: H. S. P. GRÄSSER, B.SC., S.O.D., M.SC.
Physics: N. VON WIELLIGH, M.SC., D.SC.
Physiology: J. BOOYENS, M.SC., PH.D.
Psychology: Prof. C. H. SCHMIDT, M.A., D.LITT.
Sociology: Prof. W. H. J. SCHOLTEN, M.A.(S.W.), D.PHIL.
Zoology: A. L. SMIT, M.SC., D.SC., S.O.D.

TECHNICAL COLLEGES

THE CAPE TECHNICAL COLLEGE

P.O. BOX 652, CAPE TOWN
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Telegraphic Address: Teccom, Cape Town
Founded 1923.

Director: R. MCCLELLAND, B.SC., B.ED., B.A., B.COM.(S.A.), A.C.I.S.
Registrar: R. J. COX, B.COMM., F.I.A.C., A.C.I.S.

DEPARTMENTAL HEADS:

Commerce: D. P. J. STEYN, B.COMM., A.I.A.C.
Home Economics: Miss G. M. POYNTON, Teachers' Dipl. in Domestic Sc.
Technology: A. PITTENDRIGH, B.SC., B.COMM., N.T.T.C., N.ENG.DIP., N.T.I.C., A.M.(S.A.), I.E.E.
Science: A. C. DU TOIT, B.SC.
Printing and Industrial Art: J. L. HARRIS, M.I.PTG.M., F.R.S.A.

SENIOR LECTURERS-IN-CHARGE:

Physical Education: Capt. G. BARBER.

THE EAST LONDON TECHNICAL COLLEGE

EAST LONDON
Founded 1926.

Principal: R. T. CLARK, M.A., B.COMM., F.I.A.C.

Number of staff: 94 full-time, 52 part-time.
Number of students: 1,130 full-time, 1,300 part-time.

Departments of Art, Commerce, Home Science, Music, Physical Education, Speech and Drama, Technology.

THE M.L. SULTAN TECHNICAL COLLEGE

CENTENARY ROAD, DURBAN
Founded 1946, for Indian students.

Principal: A. PITTENDRIGH, B.SC., B.COMM., A.M., I.E.E., A.M.R. & E.I.

Number of teachers: 208.
Number of students: 3,472, including part-time.

The College has branches at Stanger, Verulam, Tongaat, Mount Edgcombe, Clairwood, Pinetown, Port Shepstone, and Pietermaritzburg.

NATAL TECHNICAL COLLEGE

DURBAN

Principal: A. R. WILLIAMS, M.SC., B.A., B.ED.

PIETERMARITZBURG TECHNICAL COLLEGE

PIETERMARITZBURG

Principal: M. H. C. LE PAGE, M.SC., N.B.DIP.

DEPARTMENTAL HEADS:

Commerce: C. E. AXELSON, M.COM.
Technology: G. S. STEWART, M.SC.
Technical High School: T. C. NEL, B.A., NATAL EDUC. DIP.

THE TECHNICAL COLLEGE, PORT ELIZABETH

P.O. BOX 794, PORT ELIZABETH
Founded 1925.

Principal: Prof. M. N. S. IMMELMAN, M.SC.
Division of Technology: J. L. GOEDHALS, B.SC.(ENG.).
Division of Commerce: F. E. DRENNAN, B.COMM., B.ED., F.I.A.C.
Division of Chemistry: J. E. POTGIETER, M.SC., M.COMM.
Division of Art: D. BRINK, B.A.
Division of Leather Trades: A. H. GREGORY, F.B.S.I.

Number of students: 4,003.

PRETORIA TECHNICAL COLLEGE

CHURCH STREET, PRETORIA
Telephone: 2-5231/2/3/4
Telegraphic Address: Teknikol
Founded 1906.

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Number of teachers: 144 full-time, 270 part-time.
Number of students: 11,028.

Departments of Technology, Mechanical and Electrical Engineering, Building and Civil Engineering, Science and Pharmacy, Commerce, Teacher Training, Art, Domestic Science, Adult Education, Physical Education and Music.

WITWATERSRAND TECHNICAL COLLEGE

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Founded 1925

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Librarian: Mrs. G. M. WILLEY.

Number of teachers: 120 full-time, 250 part-time.
Number of students: 1,000 full-time, 9,200 part-time, 15,000 correspondence.

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SPAIN

Population 30,128,100

ACADEMIES

The official Spanish Academies of Science, Literature and Art were reorganised by governmental decree in 1939, when their title of "Real" was restored to them in recognition of their historical origin. This decree ordains their incorporation with the Instituto de España (*q.v.*), thus forming a "Senado de la Cultura Española".

Madrid

Real Academia Española (*Royal Spanish Academy*): Calle de Felipe IV 4; Tel. 2 39 46 05; f. 1713, Charter granted 1714 by Philip V when various privileges were allowed to the Academy and the Academicians; first in order of precedence among the Royal Academies; library of 53,000 vols.; publs. *Diccionario de la Lengua Española, Gramdtica de la Lengua Española*, etc.

President: Ramón Menéndez Pidal.
Permanent Secretary: Julio Casares y Sánchez.
Censor: Gerardo Diego.
Librarian: Vicente García de Diego.
Treasurer: Luis Martínez Kleiser.
Committee Member: Melchor Fernández Almagro.

Members:

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Alonso, Dámáso
Alonso Cortés, Narciso
Calvo Sotelo, Joaquín
Casares y Sánchez, Julio
Cela, Camilo José
Cossío y Martínez-Fortún, José María de
Diego Cendoya, Gerardo
Eijo Garay, Leopoldo, Patriarch of the Indies, Bishop of Madrid-Alcalá.
Fernández Almagro, Melchor
Fernández Flórez, Wenceslao
Fernández Ramirez, Salvador
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Martínez Kleiser, Luis
Martínez Ruiz, José
Maura y Gamazo, Gabriel, Duque de Maura
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Montes, Eugenio
Palacios Martínez, Julio
Pemán y Pemartín, José María
Rosalez Camacho, D. Luis
Sáinz Rodríguez, Pedro
Sánchez Mazas, Rafael
Zunzunegui y Loredo, Juan Antonio

Corresponding members: Spanish, 28; Spanish-American, 10; foreign, 36.

Real Academia de la Historia (*Royal Academy of History*): León 21, Madrid XIV; f. 1738; 2nd in order of precedence among the Royal Academies; library of 350,000 vols., 18,000 MSS.; publs. *Memorias, Memorial Histórico, Boletín*, historical works.

Director: Francisco J. Sánchez Cantón.
Permanent Secretary: Julio Guillen y Tato.
Censor: Luis Redonet y López Dóriga.
Librarian: José López de Toro.
Treasurer: Diego Angulo e Iñiguez.
Antiquarian: Joaquín Ma. de Navascues.
Attached to the Finance Committee: Francisco Cantera y Burgos.

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Carande y Thovar, Ramón
Caro Baroja, J.
Chueca Goitia, F. (*elected*)
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Ferrari y Nuñez, Angel
García y Bellido, Antonio
García Gómez, Emilio
García de Valdeavellano y Arcimis, D. Luis
Gómez Moreno, Manuel
Lain Entralgo, P. (*elected*)
Marichalar, Antonio, Marqués de Montesa
Maravall Casesnoves, J. A.
Melón y Ruíz de Gordejuela, Amando
Menéndez Pidal, Ramón
Menéndez Pidaly Goyri, Gonzalo
Oliver Asin, J. (*elected*)
Pabón Suárez de Urbina, Jesús
Pérez Bustamante, Ciriaco
Sáinz Rodríguez, Pedro (*elected*)
Sangróniz, José A. de, Marqués de Desio
Torre, Duque de la (*elected*)
Válgoma y Diaz-Varela, Dalmiro de la
Vega, Fr. Angel Custodio
Zabala y Lera, Pío

Real Academia de Bellas Artes de San Fernando (*San Fernando Royal Academy of Fine Arts*): Alcalá 13; f. 1744; 3rd in order of precedence among the Royal Academies; publs. *Boletín*; works on Fine Arts; has affiliated museums of paintings and sculpture; library of 24,600 vols., including 127 rare editions and 1,770 MSS.

Director: (Vacant).
Permanent Secretary: José Francés y Sánchez-Heredero.
Censor: Francisco Javier Sanchez Canton.
Treasurer: José Yárnoz Larrosa.
Librarian: José Subira Puig.
Curator: Labrada Martin, Fernando.

Members:

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Benedito y Vives, Manuel
Bravo Sanfeliú, Pascual
Camón Aznar, José
Capuz y Mamano, José
Cavestany y de Anduaga, Julio, Marqués de Moret
Contreras y López de Ayala, Juan, Marqués de Lozoya
Cort y Botí, César
De Cossío y Martínez Fortún, Francisco
Cubiles y Ramos, Antonio J.
Esplá, Oscar
Fernández de Villasante, Julio Moisés
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Gutiérrez Soto, Luis
Hermoso y Martínez, Eugenio
Ibañez Martín, José
Labrada, Fernando
Lafuente Ferrari, Enrique
Macho, Victorio
Martínez Vásquez, Eduardo
Martínez de Irujo y Artazcoz, Luis, Duque de Alba
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Moreno Torroba, Federico
Moya Blanco, Luis
Munõz Molleda, José
Navascués y de Juan, Joaquín M.
Nieto, Anselmo Miguel (*elected*)
Orduna Lafuente, Fructuoso (*elected*)
Pérez, Comendador Enrique
Planes Peñalver, José
Rodrigo Vidre, Joaquín
Ruiz Casaux, Antonio
Sainz de la Maza, Regino
Sanchez-Cantón, Francisco-Javier
Sopeña Ibañez, Federico
Subirá Puig, José
Valverde Lasarte, Joaquín
Vazquez Díaz, Daniel (*elected*)
Yarnoz Larrosa, José
Zuazo Ugalde, Secundino
Zubiaurre, Valentín de

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Corresponding members: Spanish, 193; Prizewinners: *Premio de la Raza*, 43; foreign, 11; Spanish-American, 32.

Real Academia de Ciencias Exactas, Fisicas y Naturales (*Royal Academy of Exact, Physical and Natural Sciences*): Valverde 22 and 24; f. 1847; 4th in order of precedence among the Royal Academies; publs. *Memorias, Revista, Anuario.*

President: Alfonso Peña Boeuf.
Vice-President: Julio Palacios Martinez.
Permanent Secretary: Obdulio Fernández y Rodriguez
Deputy Secretary: José Ma. Otero de Navascués.
Treasurer: Agustín Marín y Bertrán de Lis.
Librarian: Ricardo San Juan Llosá.
Accountant: Luis Ceballos y Fernández de Córdoba.

Members:

Albareda, José M.
Alvarado Fernández, Salustio
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Baltá, José
Benlloch Martínez, Miguel
Bustinza Lachiondo, Florencio
Ceballos y Fernández de Cordoba, Gonzalo (*elected*)
Ceballos y Fernández de Cordoba, Luis
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Doa, Más de Xexás, A.
Fernandez y Rodriguez, Obdulio
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García Siñeriz, José
Gavala Laborde, Juan
Hernández Pacheco, Eduardo
Hernández Pacheco, F.
Iribarren Cavanilles, Ramón
Jímeno Gil, Emilio
Lafita Babio, Felipe.
Lora Tamayo, Manuel
Marín y Bertran de lis, Agustin
Millán Barbany, Gregorio
Navarro, Francisco
Otero Navascues, José Maria
Pascual Vila, José
Palacios Martinez, Julio
Pena Boeuf, Alfonso
Pineda Gutiérrez, Pedro
Rios García, Sixto
Ríus, Antonio
Romañá Pujó, Antonio
San Juan, Ricardo
Saenz García, Clemente
Sanz Ibáñez, Julián

Corresponding members: Spanish, 36; foreign, 78.

Real Academia de Ciencias Morales y Politicas (*Royal Academy of Moral and Political Sciences*): Casa de los Lujanes, Plaza de la Villa 2; f. 1857; 5th in order of precedence among the Royal Academies; publs. historical and scientific works; library of 53,398 vols., 260 MSS., 300 periodicals.

President: José de Yanguas Messia, Vizconde de Sta. Clara de Avedillo.
Secretary: Juan Zaragüeta y Bengoechea.
Librarian: Luis Redonet y López-Dóriga.
Registrar: Carlos Ruiz del Castillo.
Treasurer: Luis Jordana de Pozas.

Members:

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Aunós Pérez, Eduardo
Bilbao Eguía, Estéban de
Castán Tobeñas, José
Castañeda, José
Conde García, Francisco J.
Cuello Calón, Eugenio
Diego Carro, Yenancio
Eijo Garay, Leopoldo, Patriarch of the Indies, Bishop of Madrid Alcalá
Fraga Iribarne, Manuel
García Valdecasas, Alfonso
González Alvarez, Angel
Gual Villalbí, Pedro
Jordana de Pozas, Luis
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Oriol y Urquijo, José María de, Marques de Casa Oriol
Palacios Rodríguez, Leopoldo Eulogio
Redonet, Luis
Royo Villanova, Segismundo
Ruíz del Castillo, Carlos
Suárez de Tangil y Angulo, Fernando, Conde de Vallellano
Tornos Lafitte, Cirilo
Trías de Bes, José María
Viñas Mey, Carmelo

Elected:
Díez del Corral, Luiz
Legal Lacambra, Luis

Corresponding members: Spanish, 21; foreign, 39.

Real Academia Nacional de Medicina (*Royal National Academy of Medicine*): Arrieta 12; f. 1732 as a group of famous court physicians, surgeons and pharmacists; present name 1917; 6th in order of precedence among the Royal Academies; 40 mems.; corresponding mems.: 93 Spanish, 57 foreign; publs. *Anales, Biblioteca Cldsica de la Medicina Española* (16 volumes).

President: José Alberto Palanca y Martínez-Fortún.
Vice-President: Dr. Santiago Carro y García.
Permanent Secretary: Dr. Valentín Matilla Gómez.
Secretary: Dr. Pedro García Gras.
Librarian: César González Goméz.
Treasurer: Dr. Salvador Albasanz y Echevarría.
publ. *Anales* (termly).

Real Academia de Jurisprudencia y Legislación (*Royal Academy of Jurisprudence and Legislation*): Marqués de Cubas 13; f. 1730.

President: Esteban de Bilbao y Eguía, Marqués de Bilbao y Eguía.
Vice-President: José Castán Tobeñas.
Secretary: José Antonio Ubierna y Eusa.
Censor: José de Yanguas y Messía, Vizconde de Santa Clara de Avedillo.
Deputy Secretary: José Martínez Agulló, Marqués de Vivel.
Interventor: Manuel de Bofarull y Romaña.
Librarian: Luis Jordana de Pozas.
Treasurer: Eloy Montero Gutiérrez.

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Cuello Calón, Eugenio
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García Gallo, Alfonso
García Valdecasas, Alfonso
González, de Oliveros, Wenceslao
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Prieto Castro, Leonardo
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Roca Sastre, Ramón María
Tornos y Lafitte, Cirilo
Vallet de Goytisolo, Juan

Elected:
Alamillo Salgado, Ildefonso
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Hernández Gil, Antonio
Iturmendi Bañales, Antonio
Lapuerta y de las Pozas, José María
Navasqüés y Ruiz de Velasco, Emilio de, Conde de Navasqüés
Pemán y Pemartín, José María
Rosal Fernández, Juan del
Ruíz Jarabo Baquero, Francisco
Sanz-Orrio y Sanz, Fermín

Real Academia de Farmacia (*Royal Academy of Pharmacy*): Calle de Campoamor 18; f. 1589 as Congregación de San Lucas, 1737 as Real Colegio de Farmacéuticos, 1931 as Academia de Farmacia; library of 12,000 vols., 40 mems.; publ. *Anales* (monthly).

Director: Dr. Ricardo Montequi y Diaz de Plaza.
Vice-Director: Dr. José Ranedo Sánchez-Bravo.
Permanent Secretary: Toribio Zúñiga Sánchez-Cerrudo.
Deputy Secretary: Luis Blas Alvárez.
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Comptroller: Antonio Ipiens Lacasa.

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VILAS LÓPEZ, LORENZO
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Academia de Cirugia de Madrid (*Madrid Academy of Surgery*): Avenida de José Antonio 34; f. 1931.
President: Dr. TOMÁS RODRÍGUEZ DE MATA.

Academia Española de Dermatología y Sifilografía (*Spanish Academy of Dermatology and Syphilography*): Sandoval 7; f. 1909; library of 900 vols.; publ. *Actas Dermosifiliográficas.*
Members, 435; hon., 51; corresponding, 3.
Honorary Presidents: Prof. JOSÉ GÓMEZ ORBANEJA, Prof. JOSÉ GAY PRIETO.
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Librarian: Dr. JULIO RODRÍGUEZ PUCHOL.
Sections: Andaluza, Catalana, Valenciana, Vasco-Navarro-Aragonesa.

Academia Médico-Quirúrgica Española (*Spanish Academy of Medicine and Surgery*): Colegio de Médicos, Esparteros 11; f. 1891; 400 mems.; publ. *Anales.*
President: MANUEL DE QUADROS TEJEIRO.
Secretary: VICENTE POZUELO ESCUDERO.

Academia Iberoamericana de Historia Postal (*Spanish-American Academy of Postal History*): Palacio de Comunicaciones, Dirección General de Correos y Telecomunicación; f. 1930; publ. *Boletín* (quarterly).
President: RICARDO ORTIZ VIVAS.
Secretary-General: MANUEL ARIAS SÁNCHEZ.
Members, 31; hon., 66; foreign, 90.

Barcelona

Real Academia de Bellas Artes de San Jorge (*Royal Academy of Fine Arts*): Casa Lonja, Paseo de Isabel II, Piso 2°; f. 1849; library of 1,500 vols.; publs. historical, literary and artistic works.
President: FEDERICO MARÉS DEULOVOL.
Secretary-General: ANTONIO OLLÉ PINELL.
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Librarian: JUAN SUBÍAS GALTER.

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Real Academia de Ciencias y Artes de Barcelona (*Barcelona Royal Academy of Science and Arts*): Rambla de Estudios 115; f. 1764; library of 25,000 vols.; publs. *Nómina, Memorias, Boletín.*
President: Dr. D. JOSÉ PASCUAL VILA.
Secretary-General: Dr. ANTONIO TORROJA.
Librarian: Dr. D. RAMÓN MARGALEF LÓPEZ.

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MARCET, JAIME
MARGALEF, RAMÓN
MESTRE, CRISTÓBAL
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SANTOMÁ, LUIS
SOLÉ, LUIS
TORROJA, ANTONIO
VIVES, JOSÉ LUIS

Has affiliated:
Observatorio Astronómico Meteorológico y Sísmico Fabra: Tibidabo, Barcelona; f. 1905.
Director: Dr. E. FONTSERÉ.

Academia de Buenas Letras de Barcelona (*Barcelona Academy of Belles Lettres*): Calle de Casador 3; f. 1729; 24 mems.; publ. *Boletín.*
President: RAMÓN DE ABADAL Y DE VINYALS.
Secretary: MARTÍN DE RIQUER.
Treasurer: JOSÉ VIVES GATELL.
Librarian: FELIPE MATEU LLÓPIS.

Academia de Ciencias Médicas de Barcelona (*Barcelona Academy of Medicine*): Via Layetana 31; f. 1878; publ. *Anales de Medicina.*
President: Prof. JUAN GIBERT-QUERALTÓ.
Secretary: Dr. MODESTO GONZALEZ-RIBAS.
Members: 2,750.

Bilbao

Academia de la Lengua Vasca (*Academy of the Basque Language*): Ribera 6; f. 1919; 18 mems.; publ. *Euskera* (periodical).

Academia de Ciencias Médicas de Bilbao (*Academy of Medicine*): Concha 20-3°; f. 1897; 500 mems.; library of 4,000 vols.; publ. *Gaceta Médica del Norte.*
President: Dr. ANGEL URUÑUELA-MIRANDA.
Secretary: Dr. JOSÉ MARÍA GOCHI MENDIZABAL.

Cadiz

Real Academia Hispano-Americana (*Royal Spanish-American Academy*): Alameda de Apocada 19; f. 1910; 29 mems.; publ. *Boletín.*
Director: JOSÉ MARÍA PEMÁN Y PEMARTÍN.
Secretary: AUGUSTO CONTE LACAVE.

Córdoba

Real Academia de Ciencias, Bellas Letras y Nobles Artes (*Royal Academy of Science, Literature and Fine Arts*): Diputación Provincial; f. 1810; 28 mems., 9 elected mems., 28 corresponding mems.; publs. *Boletín* (half-yearly), scientific, historical and literary works.
Director: Dr. RAFAEL CASTEJÓN.
Secretary: RAFAEL AGUILAR PRIEGO.

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Corunna

Real Academia Gallega (*Royal Galician Academy*): Palacio Municipal; f. 1905; 40 mems.; library of 20,000 vols., including valuable collection of books on Galicia; publs. *Boletín, Diccionario Gallego-Castellano.*

President: Sebastián Martínez Risco.
Secretary: Francisco Vales Villamarín.
Treasurer: Leandro Carré Alvarellos.
Librarian: Juan Naya Pérez.

Málaga

Real Academia de Bellas Artes de San Telmo (*Royal Academy of Fine Arts*): f. 1849; 28 mems.

President: José Luis Estrada Segalerva.
Secretary: Baltasar Peña Hinojosa.

Seville

Real Academia Sevillana de Buenas Letras (*Seville Royal Academy of Belles Lettres*): Plaza del Museo 8; f. 1751; 30 mems., including 2 elected; library of 5,000 vols.; publ. *Boletín de Buenas Letras* (quarterly).

Director: Pbro. José Sebastián y Bandarán.
Deputy Director: Rafael Laffon y Zambrano.
Censor: R.P. Francisco de la Hoz, S.D.B.
Secretaries: Juan Rodríguez Mateos, Francisco Alvarez Scisidor.
Librarian: Gabriel Sánchez de la Cuista.
Treasurer: Manuel Beca Matios.

Real Academia de Bellas Artes de Santa Isabel de Hungria (*Royal Fine Arts Academy*): Plaza del Museo 8; f. 1660; 30 mems.; library of 1,327 vols.; publ. *Boletín* (annually).

President: José Hernández Díaz.
Secretary-General: Antonio Sancho Corbacho.
Treasurer: Manuel Lerdo de Tejada y Sánchez.
Librarian: Francisco Collantes de Terán.
Councillors: Santiago Martínez Martín, José Sebastián y Bandarán, Pedro Armero Manjón.

Real Academia de Medicina de Sevilla (*Royal Academy of Medicine of Seville*): Plaza de España; f. 1697; 28 mems.; corresponding mems.: Spanish 100, foreign 50; library of 6,000 vols.

President: Dr. D. Antonio Cortes Llado.
Secretary: Ildefonso Camacho Baños.
Librarian: Dr. Antonio González-Meneses.
Treasurer: Dr. José P. del Pobil.

Toledo

Real Academia de Bellas Artes y Ciencias Históricas de Toledo (*Toledo Royal Academy of Fine Arts and Historical Sciences*): f. 1916; 9 mems., 5 elected mems.; publ. *Boletín.*

Director: Julio Pascual Martín.
Secretary: Enrique Vera Sales.
Treasurer: José Gómez Luengo.
Archivist-Librarian: Emilio García Rodríguez.
Censor: Clemente Palencia Flores.

Valladolid

Real Academia de Bellas Artes de la Purísima Concepción (*Royal Academy of Fine Arts*): Calle del Rastro, Casa de Cervantes; f. 1746.

President: Dr. D. Nicomedes Sanz y Ruiz de la Peña.
Secretary: Dr. D. Nemesio Montero Pérez.
Members, 30.

Zaragoza

Real Academia de Nobles y Bellas Artes de San Luis (*Royal Academy of Fine Arts*): Plaza de José Antonio 6; f. 1792; library of 4,517 vols.; composed of 28 Academicians, 84 Spanish and 28 foreign corresponding members and variable number of delegates; comprises 5 sections (architecture, sculpture, painting, music, literature) and 3 permanent committees; publs. *Boletín* (irregularly), catalogues, works.

President: Teodoro Rios Balaguer.
Secretary-General: Joaquín Albareda Piazuelo.
Librarian: Mariano Burriel Rodrigo.

Academia de Ciencias Exactas, Físico-Químicas y Naturales (*Academy of Exact, Physiochemical and Natural Sciences*): Plaza de Paraíso 1; f. 1916; comprises sections on Exact Sciences, Physics and Chemistry, and Natural Sciences; publs. *Revista, Memorias, Conferencias.*

President: Francisco Pascual de Quinto.
Secretary: José Ma. Iñíguez Almech.
Librarian: Juan Martín Sauras.
Treasurer: José Estevan Ciriquian.
Members, 30; corresponding: Spanish, 30, foreign, 30.

Palma de Mallorca

Real Academia de Medicina y Cirugía de Palma de Mallorca (*Royal Academy of Medicine and Surgery*): 19 mems.

President: José Sampol Vidal.
Secretary: Santiago Forteza Forteza.

Academia Científico-Deontológica de La Hermandad Médico-Farmacéutica de San Cosme y San Damián: Calle Almudaina 28; f. 1932; 200 mems.; publ. *Actas.*

President: Dr. Santiago Forteza Forteza.
Secretary: Dr. Juan Gil Xamena.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Madrid

Asociación Española de Bibliófilos (*Spanish Association of Bibliophiles*): Av. de José Antonio 31; f. 1945; membership limited to 300; edits fine editions for mems. only; Hon. Pres. Eduardo Aunós; Pres. R.P. Luis Fullana.

Asociación de Escritores y Artistas Españoles (*Writers' and Artists' Association*): Calle del Rollo 2; f. 1872; Sec.-Gen. Juan Bautista Acevedo.

Asociación de Escritores Médicos (*Association of Medical Writers*): Fuencarral 113, Pral; f. 1929; 50 mems. in Madrid, 150 provincial corresponding; Dir. Dr. Juan Fernán Pérez; publs. and lectures on history, art and literature as related to medicine.

Asociación de Pintores y Escultores de España (*Association of Spanish Artists and Sculptors*): Infantas 30; f. 1910; Pres. Ramin Ferreiro; Perm. Sec. José Prados López; annual autumn exhibition in Palacio del Retiro; publ. *Gaceta de Bellas Artes.*

Asociación Española para el Progreso de las Ciencias (*Spanish Association for the Development of Science*): Calle de Valverde 24; f. 1908; Pres. Prof. Manuel Lora-Tamayo; Sec. Prof. José M. Torroja; publs. *Las Ciencias* (quarterly), *Tomos de los Congresos, Tomos de los Coloquios, Historia de la Filosofía Española* (7 vols.).

Asociación Nacional de Químicos de España (*National Association of Chemists*): Lagasca, 81, 1° Madrid-6; f. 1945; 3,500 mems.; Pres. Dr. Angel Vian Ortuño; Sec. Adelardo Sanchis Batalla; publs. *Química e Industria* (bi-monthly), technical and professional works.

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Ateneo Cientifico, Literario y Artistico (*Scientific, Literary and Artistic Athenæum*): Calle del Prado 21, Apdo. 272; f. 1820; 2,700 mems.; library of 180,000 vols. of modern works; Pres. VICENTE RODRIGUEZ CASADO; Libr. ANTONIO LUENGO; publs. *O crece o muere, Estafeta Literaria, Poesia Española.*

Inspeccion General de Excavaciones Arqueológicas (*General Commission for Archæological Excavations*): Apdo. 1039; f. 1939; library of 3,200 vols. and 160 periodicals; Dir. Prof. GRATINIANO NIETO GALLO; Sec. FRANCISCO J. PRESEDO VELO; publs. *Acta Arqueológica, Informes y Memorias, Noticiario Arqueológico Hispánico, Excavaciones Arqueológicas en España.*

Consejo Generale Colegios Oficiales de Peritos Agricolas de España (*College of Agricultural Experts*): Plaza de Santo Domingo 13-1°-B; f. 1947; formerly Asociación Nacional de Peritos Agrícolas, f. 1880; 2,402 mems.; library of 2,300 vols.; Pres. JOSÉ LUIS LINAZA DE LA CRUZ; Sec. CONSTANTINO LAGARON YAÑEZ.

Consejo Superior de Investigaciones Cientificas (C.S.I.C.) (*Council for Scientific Research*): Headquarters of the Council: Serrano 117; f. 1940; the object of the Council is to develop, direct and co-ordinate research in the fields covered by the universities, the various research institutes, schools and scientific bodies throughout the country, while endeavouring, at the same time, to preserve scientific initiative and encourage the contribution of the individual worker; it also sponsors systematic investigation in new branches of learning, or where work has hitherto been neglected or hindered by lack of financial support; library of 1,000,000 vols.; 11 Regional Delegations.

Librarian: AMADEO TORTAJADA FERRÁNDIS.

The C.S.I.C. is composed of eight *patronatos* (short descriptions of which are given below), covering the various branches of knowledge. It has a plenary council whose members are the honorary councillors of the organisation, and 180 ordinary members chosen from the *patronatos*; and an Executive Council composed of two representatives from each of the eight *patronatos* and of the following:

Honorary President: THE MINISTER OF NATIONAL EDUCATION.
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Patronato "Raimundo Lulio": Theological, Philosophical, Juridical Sciences; is composed of the following organistions:

Instituto "Francisco Suárez" de Teología.
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Maioricensis Schola Lullística de Palma de Mallorca.
Centro de Estudios Económicos, Jurídicos y Sociales de Barcelona.
Seminario de Estudios Internacionales "Alvaro Pelayo".
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Consejo de Estudios de Derecho Aragones.
Instituto Jurídico Español, en Roma.

Patronato "Marcelino Menéndez Pelayo": History, Philology and Art; library of 28,000 vols.; Librarian NICOLÁS FERNANDEZ VICTORIO; is composed of the following organisations:

Instituto "Antonio de Nebrija" de Filología Clásica: schools in Madrid, Barcelona and Salamanca.
Instituto "Miguel de Cervantes" de Filología Hispánica.
Instituto "Miguel Asín" de Estudios Arabes (*Arabic Studies*): schools in Madrid and Granada.
Instituto "Benito Arias Montano" de Estudios Hebraicos y Oriente Próximo (*Hebrew and Near East Studies*): schools in Madrid and Barcelona.
Seminario Filológico "Cardenal Cisneros".
Instituto "Jerónimo Zurita" de Historia.
(*a*) Escuela de Estudios Medievales.
(*b*) Escuela de Historia Moderna.
Instituto "Gonzalo Fernández de Oviedo" de Historia Hispano-Americana.
Escuela de Estudios Hispano-Americanos de Sevilla.
Instituto Histórico de Marina.
Instituto "Padre Enrique Flórez" de Historia Eclesiástica.
Instituto "Diego de Velázquez" de Arte.
Instituto "Antonio de Agustín" de Numismática.
Instituto Español de Arqueologia "Rodrigo Garo".
Instituto Español de Musicología de Barcelona.
Instituto "Padre Sarmiento" de Estudios Gallegos.
Institución "Alfonso el Magnánimo", Valencia.
Escuela Española de Historia y Arqueologia de Roma.
Instituto "Reyes Católicos", Granada.
Centro de Estudios e Investigación "San Isidoro", de León.
Centro de Estudios Jacobeos, Santiago de Compostela.
Centro de Etnología Peninsular de Barcelona (with a section in Madrid).
Instituto Español de Prehistoria.
Instituto "Luis de Salazar y Castro", Corporacion Española de Estudios Geneacologicos, Heraldias y Nobiliarios.
Instituto Internacional de Cultura Romanica.

Patronato "Santiago Ramón y Cajal": Medicine and Animal Biology; is composed of the following organisations:

Instituto "Bernardino de Sahagún" de Antropología y Etnología.
Museo Etnológico.
Instituto Español de Entomología.
Instituto "Santiago Ramón y Cajal" de Biologia.
Departamento de Anatomía de Zaragoza.
Instituto de Medicina Experimental.
Instituto de Farmacología Experimental.
Instituto "Gregorio Marañon".
Instituto de Cirugía Experimental.
Instituto de Investigaciones Médicas y Clínicas de la Universidad de Madrid.
Instituto Médico de Post-graduados de la Casa Salud "Valdecilla" de Santander.
Instituto "López-Neyra" de Parasitología de Granada.
Instituto Español de Medicina Tropical.
Departamento de Investigaciones Bromatológicas.
Instituto Español de Fisiología y Bioquímica.
Departamento de Farmacia Galénica.

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Departamento de Fisio-Patología de la Reproducción Humana.
Instituto "Arnaldo de Vilanova" de Historia de la Medicina y de las Ciencias Naturales.
Centro de Genética Animal y Humana de Barcelona.
Departamento de Medicina Psicosomática.
Centro de Investigaciones de la Facultad de Farmacia.
Departamento de Química Física Biológica.
Departamento de Biofísica.

Patronato "Alonso de Herrera": Agricultural Sciences and Plant Biology; is composed of the following organisations:
Instituto "Antonio José de Cavanilles" de Botánica.
Instituto "José de Acosta" Museo Nacional de Ciencias Naturales.
Jardín Botánico.
Instituto Botánico Municipal, Barcelona.
Instituto Nacional de Edafología y Agrobiología.
Instituto de Edafología y Fisiología Vegetal.
Instituto "José Celestino Mutis" de Farmacognosia.
Instituto "Jaime Ferrán" de Microbiología.
Misión Biológica de Galicia.
Instituto de Biología Aplicada de Barcelona.
Estación Experimental de Aula Dei.
Instituto de Aclimatación, de Almería.
Instituto "Lucas Mallada" de Investigaciones Geológicas.
Departamento de Zootecnia, Córdoba.
Instituto de Investigaciones Veterinarias.
Sección de Estadística Aplicada de Granada.
Sección de Genetica Experimental Agricola de Barcelona.
Estación Experimental del Zaidín de Granada.
Centro de Edafología y Biología Aplicada de Salamanca León.
Centro de Edafología y Biología Vegetal de Santiago.
Centro de Edafología y Biología Aplicada del Segura de Murcia.
Centro de Edafología y Biología Aplicada del Cuarto de Sevilla.
Departamento de Pruductividad y Economía Agraria.
Instituto de Orientación y Asistencia Tecnica del Sureste de Murcia.
Centro Experimental Económico-Agrario "La Mayora".
Estación Experimental y de Enseñanza "La Paveda".
Instituto de Estudios Biológicos de Galicia.
Instituto de Hidrología.

Patronato "Alfonso el Sabio": Mathematics, Physics and Chemistry; is composed of the following organisations:
Instituto Nacional de Matemática.
Instituto "Jorge Juan" de Matemáticas.
Instituto de Investigaciones Estadísticas.
Seminario Matemático de Barcelona.
Seminario Matemático de Zaragoza.
Consejo Nacional de Física.
Instituto "Alonso de Santa Cruz" de Física.
Instituto "Antonio de Gregorio Rocasolano" de Química Física.
Instituto Nacional de Geofísica.
Observatorio de Física Cósmica del Ebro de Tarragona.
Observatorio de Cartuja de Granada.
Observatorio Astronómico de Santiago de Compostela.
Unión Nacional de Astronomía y Ciencias Afines (U.N.A.C.A.).
Departamento de Cristalografía-Física.
Departamento de Química Inorgánica y Geoquímica.
Departamento de Química Analítica.
Departamento de Cálculo Electrónico.
Departamento de Fiscica de Zaragoza.
Instituto de Ciencias Físicas.

Patronato "Juan de la Cierva": Technical Research; is composed of the following organisations:
Instituto "Alonso Barba" de Química.
Instituto "Daza de Valdés" de Optica.
Instituto de Electricidad y Automática.
Instituto "Leonardo Torres Quevedo" de Instrumental Científico.
Instituto del Combustible (*Fuel*) (subsidiaries in Oviedo and Zaragoza).
Instituto de la Construcción y del Cemento (*Building and Cement*).
Instituto de Investigaciones Ténicas de Barcelona (*Technical Research*).
Instituto Especial de la Grasa y sus Derivados (*Fats and By-products*).
Instituto de Racionalización del Trabajo (*Rationalization of Labour*).
Instituto de la Soldadura (*Welding*).
Instituto del Hierro y del Acero (*Iron and Steel*).
Instituto Nacional de Electrónica (*Electronics*).
Centro Experimental del Frío Industrial (*Industrial Refrigeration*).
Instituto de Investigaciones Pesqueras (*Fishing Research*).
Departamento de Plásticos.
Departamento de Fermentaciones Industriales.
Asociación Electrotécnica Española.
Laboratorio de Investigaciones Electroacústicas "Laffon-Selgas".
División de Investigación Industrial de la Comisión de Piritas Españolas (I.N.I.).
Departamento de Química Vegetal.
Centro Experimental de la Empresa Nacional "Calvo Sotelo".
Departamento de Metales no Férreos.

Patronato "José Maria Quadrado": Local Studies and Researches:
Institución "Fernando el Católico" de Zaragoza.
Instituto de Estudios Ilerdenses, Lérida.
Instituto de Estudios Gerundenses, Gerona.
Instituto de Estudios Asturianos, Oviedo.
Instituto de Estudios Riojanos, Logroño.
Centro de Estudios Montañeses, Santander.
Instituto de Estudios Canarios, La Laguna.
Museo Canario, Las Palmas.
Junta de Cultura de Vizcaya.
Real Sociedad Vascongada de Amigos del País, de San Sebastián.
Institución "Fernán González", Burgos.
Academia "Alfonso X, el Sabio", Murcia.
Centro de Cultura Valenciana, Valencia.
Sociedad Castellonense de Cultura, Castellón.
Real Academia de Ciencias, Bellas Letras y Nobles Artes de Córdoba.
Institucion de Servicios Culturales Extremeños de Badajoz.
Instituto de Estudios Malagüeños, Málaga.
Instituto de Estudios Turolenses, Teruel.
Instituto "Diego de Colmenares", Segovia.
Institución "Tello Téllez de Meneses", Palencia.
Instituto de Estudios Ibicencos, Ibiza.
Museo de Pontevedra.
Instituto de Estudios Manchegos, Ciudad Real.
Instituto de Estudios Oscenses, Huesca.
Consejo de Cultura de Alava, Vitoria.

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Instituto de Estudios Madrileños, Madrid.
Instituto de Estudios Jiennenses, Jaén.
Instituto de Estudios Sorianos, Soria.
Institución Principe de Viana de Pamplona.
Museo Arqueologico de Linares.
Centro de Estudios Historicos Serezanos.
Casa de la Cultura, de Cáceves.
Instituto de Estudios Tarraconenses "Ramon Berenguer IV".
Institucion "Alonso de Madrigal", Avila.

Patronato "Diego Saavedra Fajardo": Geographical, Bibliographical and Economic Research and research on subjects affecting more than one *Patronato:*
Instituto "Juan Sebastian Elcano" de Geografía.
Instituto "Sancho de Moncada", de Economia, Biblioteconomia.
Departamento de Geografía Aplicada, Zaragoza.
Instituto "Nicolás Antonio" de Bibliografía.
Instituto de Estudios Africanos, Madrid.
Universidad Hispano-Americana de Santa María de la Rábida, Huelva.
Instituto de Estudios Pirenaicos, Zaragoza.
Instituto de Estudios Hispano-Mejicanos de Investigaciones Científicas, Madrid.

Other Cultural Centres:

Residencia de Investigadores: Pinar 21, Madrid.
Escuela-Residencia Femenina de Auxiliares de la Investigación: Jorge Manrique 27, Madrid.
Servicio de Defensa del Patrimonio Artístico Nacional: Ministerio de Educación Nacional; f. 1929; department for the protection of buildings and historic ruins; Dir. Francisco Iñiquez Almech; publs. catalogues and guides.

British Council, The (*El Consejo Británico*): Representative D. A. A. Traversi, o.b.e., Instituto Británico en España, Almagro 5; estab. 1940. There are also British Institutes in Barcelona and Seville.

Consejo General de Colegios Médicos de España (*General Council of Medical Colleges*): Villanueva 11; f. 1930; 21 mems.; Pres. Dr. Antonio Crespo Alvárez; publ. *Boletín Cultural e Informativo* (monthly).

Consejo General de Colegios Oficiales de Farmacéuticos (*General Council of Official Colleges of Pharmacists*): Villanueva 11-4°; f. 1938; Pres. Alberto García Ortíz; publ. *Boletín de Información.*

Consejo Nacional de Colegios Oficiales de Doctores y Licenciados en Filosofía y Letras y en Ciencias (*National Council of Official Colleges of Doctors and Licentiates in Philosophy, Letters and Science*): f. 1944; 11,020 mems.; Pres. Eugenio Lostau Román; Sec.-Gen. Ezequiel Puig Maestro-Amado; publs. *Boletín* (official), *Educación y Cultura* (Zaragoza Univ.), *Minerva* (Valladolid Univ.), *Boletín Informativo* (Madrid Univ.), etc.

Deutsches Archaeologisches Institut (*German Archaeological Institute*): Serrano 159; Dir. Prof. Dr. Helmut Schlunk.

Deutsches Kulturinstitut (*German Cultural Institute*): Plaza del Marqués de Salamanca 4, Madrid-6; also at Barcelona-7, Avda. de José Antonio, 591.

Dirección General de Arquitectura (*Dept. of Architecture*): Amador de los Rios 5; f. 1940; Dir. Francisco Prieto Moreno; publs. *Revista Nacional de Arquitectura* (monthly), *Boletín* (quarterly).

Dirección General de Relaciones Culturales (*Cultural Relations Department*): Ministerio de Asuntos Exteriores, Plaza de la Provincia 1, Madrid 12; f. 1926; exhibitions, exchange of professors and lecturers, scholarships, etc.; Dir.-Gen. José Miguel Ruiz Morales; publs. *Indice Cultural Español* (in English, French, Spanish and German), facsimiles of rare works, modern cultural works.

Estación de Fitopatología Agrícola (*Plant Pathology and Entomology Research Station*): Avda. Puerta de Hierro; f. 1888; attached to the Instituto Nacional de Investigaciones Agronomicas; Dir. Francisco Dominguez Garcia-Tejiro; publs. *Boletín de Patología Vegetal y Entomología Agrícola.*

Federación Española de Religiosos de Enseñanza (FERE) (*Spanish Federation of Religious Teaching*): Claudio Coello, 32, Apto. 1267; f. 1958; groups all the centres of elementary, secondary and higher education of the Catholic Church; there are 2,500 centres; publs. *Educadores* (Teachers' Review), *Boletin de la FERE.*

Federación Internacional Veterinaria de Zootecnia: Isabel la Católica 12, Apdo. 1200; 30 countries are members; Pres. A. de Vuyst (Louvain, Belgium); Sec.-Gen. Prof. Dr. C. L. de Cuenca (Madrid); publs. *Zootechnia* (*Acta Societatis Internationalis Veterinariorum Zootechnicorum*) (from 1952).

Fundación Juan March: Nunez de Balboa, 68; f. 1955; awards monetary prizes to Spanish professors and scholars in the arts and sciences; Sec. Alejandro Bergamo.

Institut Français (*French Institute*): 10 Marquès de la Ensenada; Dir. P. Guinard; also at Barcelona.

Instituto Arqueológico del Ayuntamiento de Madrid (*Archæological Institute of the City of Madrid*): Parque de la Fuente del Barro; conducts research into the archæology of Madrid and environs; library (9,572 vols.), laboratory and museum; Dir. Prof. Dr. Julio Martínez Santa-Olalla; Council Delegate D. Antonio Navarro Sanjurjo; publ. *Anuario de Arqueología Madrileña.*

Instituto de España (*Institute of Spain*): Amor de Dios 2; f. 1938; mems. of the Institute are Academicians of the Reales Academias (Española, de la Historia, de Bellas Artes, de Ciencias Exactas, Físicas y Naturales, de Ciencias Morales y Políticas, de Medicina); Pres. Leopoldo Eijo Garay, Patriarch of the Indies and Bishop of Madrid-Alcalá; 1st Vice-Pres. José María Pemán y Pemartín; 2nd Vice-Pres. Marques Del Saltillo; Sec. Vicente Castañeda y Alcover; Vice-Sec. Toribio Zuñiga Sánchez-Cerrudo; Censor José Antonio Ubierna Eusa; Auditor Luis Ceballos; Chancellor Baldomero Argente; Treas. Santiago Carro García; Librarian José Francés; publs. *Anuario*, related works, educational text-books.

Instituto "Antonio de Nebrija" de Filología (*Philological Institute*): Calle Duque de Medinaceli 4; Dir. Pascual Galindo Romeo; Vice-Dir. (Barcelona) Mariano Bassols; Vice-Dir. (Salamanca) Antonio Tovar; Vice-Dir. (Madrid) Manuel Fernández-Galiano; Sec. Luis Gil; attached to C.S.I.C.

Instituto Botánico "Antonio José Cavanilles" (*Botanical Institute*): Jardín Botánico, Plaza de Murillo 2; f. 1945; Dir. Dr. Salvador Rivas Goday; Sec. Dr. Pedro González Guerrero; publ. *Anales*; is a Department of the Consejo Superior de Investigaciones Científicas and supervises the Jardín Botánico.

Instituto Cajal (*Santiago Ranón y Cajal Institute of Biological Research*): Velázquez, 138, Madrid 6; f. 1906; library of 16,000 vols.; Dir. Julian Sanz Ibañez; Sec. Dr. A. Carrato Ibañez; a Department of the C.S.I.C.; publs. *Trabajos: Embriologia, Histologia, Anatomia Patológica.*

Instituto de Cultura Hispanica (*Institute of Hispanic Culture*): Avenida Reyes Católicos, Ciudad Universitaria; f. 1941; the Institute aims at promoting cul-

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tural understanding between Spain and Spanish America by helping university students, organising conferences, cultural exchanges, maintaining an information department and a department of technical co-operation, by arranging exchanges between university teachers, and by organising congresses and cultural exhibitions; there is a large library open to students and a radio, cinema and theatre unit; Dir. GREGORIO MARAÑÓN MOYA; Sec.-Gen. ENRIQUE SUÁREZ DE PUGA; publs. include *Fuentes del Derecho Indiano, Incunables Americanos, Historia y Geografía, Ambos Mundos, Colección Jurídica, Constituciones de Hispanoamérica, Códigos civiles iberoamericanos and* periodicals *Mundo Hispanico* (monthly), *Cuadernos Hispanoamericonos* (monthly).

Instituto de Estudios Africanos (*Institute of African Studies*): Castellana 5; f. 1945; 20 mems.; Dir. JOSÉ DIAZ DE VILLEGAS Y BUSTAMENTE; Sec. JOAQUÍN VENTURA BAÑARES Y LUÍS SAEZ DE GOVANTES; publs. *Africa* (monthly), *Archivos*.

Instituto de Estudios de Administración Local (*Institute for the Study of Local Government*): J. Garcia Morato 7; f. 1940; library of 15,802 vols.; Dir. CARLOS RUIZ DEL CASTILLO Y CATALÁN DE OCÓN; Librarian VICENTE SANCHEZ MUÑOZ.

Instituto de Estudios Políticos (*Institute of Political Studies*): Plaza de la Marina Española 8; f. 1939; the Institute organises lectures and seminars on political, economic, administrative and social questions.

Director: MANUEL FRAGA IRIBARNE.
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Library of 8,000 vols., access to the Senate Library of 100,000 vols.

Publications: *Revista de Estudios Políticos* (every 2 months), *Política Internacional* (every 3 months), *Revista de Administración Pública* (every 4 months), *Cuadernos de Política Social, Revista de Economía Política* (quarterly).

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Borras Prim, Ramón.
Cardenal Iracheta, Manuel.
Fernández Almagro, Melchor.
Legaz Lacambra, Luís.
Maravall Casesnoves, José Antonio.
Palacios, Leopoldo Eulogio.
Ridruejo Alonso, Pedro.

Instituto de Ingenieros Civiles de España (*Institute of Civil Engineers*): General Goded 38; f. 1905; 5,000 mems.; Pres. Gregorio López Bravo de Castro; Sec. Félix Gallego y Quero; publs. various; comprises the following associations:

Asociación de Ingenieros Agronómos: Pres. Gabriel Bornás y de Urcullu.

Asociación de Ingenieros de Montes: Pres. Luís Ceballos y Fernández de Córdoba.

Asociación de Ingenieros Navales: Pres. Gregorio López Bravo de Castro.

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Asociación de Ingenieros de Minas: Pres. Juan Sitges y Fernandez-Victorio.

Asociación de Ingenieros Aeronáuticos: Pres. Luis de Azcárraga y Pérez-Caballero.

Asociación de Ingenieros de Telecomunicación: Pres. Emilio Novoa González.

Servicio de Inseminación Artificial Ganadera del Patronato de Biologia Animal (*Artificial Insemination Service for Livestock*): Direccion General de Ganaderia, Ministerio de Agricultura, Avenida de Puerta de Hierro; f. 1947; Head of Service Dr. Domingo Carbonero Bravo, Head of Section Dr. José Crespo García.

Instituto Español de Hematología y Hemoterapia (*Institute of Hæmatology and Hæmotherapy*): Gral. Oraá 15; f. 1940; Dir. Dr. Carlos Elósegui; publ. *Anales*.

Instituto Español de Oceanografía (Ministerio de Marina) (*Spanish Institute of Oceanography*): Alcalá 27; f. 1919; comprises Physics, Chemistry and Marine Biology sections in Madrid, coastal laboratories at San Sebastián, Santander, Vigo, Málaga, Barcelona, Santa Cruz de Tenerife, and Palma de Mallorca; library of 6,000 vols.; research vessel "Xauen" (750 tons); 35 scientific mems.; 22 auxiliary; Dir.-Gen. Capitán D. Dámaso Berenguer y de Elizalde; Sub. Dir. J. Cuesta Urcelay; Sec. (Vacant); publs. *Boletín, Trabajos* (both irregularly).

Instituto Forestal de Investigaciónes y Experiencias (*Institute of Forestry Research*): Puerta de Hierro, Carretera de la Coruña, Km. 7, Apdo. 8111; f. 1922; library of 13,590 vols.; Dir. Plácido Virgilio Sorribes; Sec.-Gen. Miguel Aullo Urech; publs. *Anales, Boletin* and *Comunicación*.

Instituto Geográfico y Catastral (*Geographical and Cadastral Institute*): Calle Ibáñez de Ibero 3; f. 1870; library of 11,000 vols.; Director-General Vicente Puyal Gil; comprises the following sections:

Consejo de Geografía, Astronomia y Catastro:
President: Félix Ortiz e Iribas.
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Secretary: Guillermo Sanz Huelin.

National Commission of Astronomy:
President: Vicente Puyal Gil.
Secretary: Rafael Carrasco Garrorena.

Instituto Geológico y Minero de España (*Spanish Geological and Mining Institute*): Ministry of Industry, Rios Rosas 23; f. 1874; library of 40,000 vols.; Dir. Dr. Antonio Almela-Samper; Sec. Luis Badillo Diez; Sections: Geology, Mining Research, Geophysics, Subterranean Hydrology, Laboratories, Museum; publs. *Memoria General* (yearly), *Boletin, Notas y Comunicaciones* (quarterly), *Memorias del Instituto Geológico*.

Instituto Germano-Español de Investigación (*German-Spanish Research Institute for History*): Serrano 123.

Instituto Histórico de Marina (*Naval History Institute*): Ministerio de Marina, Montalbán 2; f. 1942; associated with the Consejo Superior de Investigaciones Científicas; for library *see* entry under Museo Naval; Dir. Cap. Julio F. Guillén.

Instituto Llorente (*Institute of Medicine*): Ferraz 9; f. 1894; library of 1,500 vols.; Dir. Dr. Gabriel Megías; publs. *Anales*, monographs.

Instituto Nacional de Estadística (*National Statistics Office*): Ferraz 41; f. 1945; library of 27,450 vols.; Dir. Francisco Torras Huguet; publs. *Anuarios, Censos de la Población de España, Censo Electoral, Movimiento de*

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Población, Boletines de Estadística, Estadísticas Especiales, Estadística Española, etc.

Instituto Nacional de Geofisica (*National Institute of Geophysics*): Serrano 123; f. 1941; 26 mems.; Dir. Luis Lozano Calvo; Sec. Guillermo Sans Huelin; publ. *Revista de Geofísica* (quarterly), *Boletín de Radioactividad* (yearly).

Instituto Nacional de Investigaciones Agronómicas (*National Institute of Agronomical Research*): Ministerio de Agricultura, Ávda. Puerta de Hierro; f. 1940; library of 10,000 vols.; 105 mems.; Pres. Ing. Agr. Miguel Echegaray Romea; Sec. Ing. Agr. Manuel Batanero Maseda; Librarian Miguel Oroz Pérez de Landa; publs. *Boletín* (bi-annual), *Anales* (quarterly).

Instituto Nacional de Medicina y Seguridad del Trabajo (*National Institute of Medicine and Safety in Industry*): Pabellón 8, Facultad de Medicina, Ciudad Universitaria, Madrid 3; Dir. Prof. Manuel Bermejillo Martinez.

Instituto Nacional de Psicología Aplicada y Psicotecnia (*National Institute of Applied Psychology and Psychotechnics*): C. Juan Huarte de San Juan, Ciudad Universitaria, Madrid 3; f. 1929; Dir. Dr. José Germain; Sec. Dr. Enrique García Moreno; publ. *Revista de Psicología General y Aplicada* (quarterly; Ed. Dr. José Germain).

Instituto Nacional de Reeducación de Inválidos (*National Institute for Training Cripples*): Carabanchel Bajo, Madrid 19; f. 1922; Dir. Agustin Lozano Azulas; publ. *Memorias y películas.*

Instituto Nacional del Libro Español (I.N.L.E.) (*National Institute of Spanish Books*): Ferraz 13; f. 1939; Dir. Julián Pemartín Sanjuan; publs. *El Libro Español* (monthly), *Catálogo General de la Librería Española, Guia de Editores y de Libreros.*

Istituto Italiano di Cultura (*Italian Cultural Institute*): Calle Mayor 86; Dir. Prof. Arnaldo Bascone.

Jardin Botánico (*Botanical Gardens*): Plaza de Murillo 2; f. 1781; Dir. Dr. Manuel Jordán de Urries Azara, Sec. Dr. Pedro González Guerrero.

Junta de Energia Nuclear: Ciudad Universitaria, Avendia Complutense 22, Madrid 3; f. 1951; controls and directs experiment and study in the application of nuclear energy to national purposes; 1,695 mems.; library of 8,500 vols., 35,000 reports, 40,000 microcards, 900 peridocials; Pres. José Maria Otero Navascues; Technical Sec.-Gen. Francisco Pascual Martinez; publ. *Energía Nuclear* (review).

Observatorio Astronómico de Madrid (*Madrid Astronomical Observatory*): Calle de Alfonso XII 3; f. 1854; attached to the Instituto Geográfico y Catastral; library of approx. 10,000 vols.; Dir. Rafael Carrasco Garrorena; publs. *Anuario Astronómico, Boletín Astronómico.*

Patrónato de Biologia Animal: Embajadores 68; f. 1933; library of 3,000 vols.; 200 periodicals; Chiefs of sections: Dr. Carlos L. de Cuenca, Dr. Gabriel Colomo de la Villa, Dr. Domingo Carbonero Bravo, Dr. Carlos Sáñchez Botija; Dir. Dr. Angel Campano Lopez; publ. *Revista del Patrónato de Biología Animal* (quarterly).

Real Sociedad Española de Física y Química (*Royal Spanish Society of Physics and Chemistry*): Facultad de Ciencias, Ciudad Universitaria; f. 1903; Pres. Prof. A. Durán Miranda; Sec. Prof. J. Morcillo Rubio; publ. *Anales* (monthly, in 2 parts: physics, chemistry).

Real Sociedad Española de Historia Natural (*Royal Spanish Natural History Society*): Museo Nacional de Ciencias Naturales; Pres. Prof. Francisco Hdez-Pacheco; Sec. Joaquin Templado; publ. *Boletín* (quarterly).

Real Sociedad Fotográfica Española (*Royal Spanish Photographic Society*): Calle del Príncipe 16; f. 1899; 320 mems.; Pres. Ignacio Barcelo Vidal; Sec. Rafael Romero.

Real Sociedad Geográfica (*Royal Geographical Society*): Calle de Valverde 24; f. 1876; Pres. Carlos Martinez de Campos y Serrano, Duque De La Torre; Perm. Sec. Dr. Juan Bonelli y Rubio; publ. *Boletín.*

Real Sociedad Matemática Española (*Royal Spanish Mathematical Society*): Serrano 123; Pres. Alberto Dou Mas de Xexas; Sec. Julio Fernandez Biarge.

Seminario de Astronomía y Geodesía de la Universidad de Madrid (*Research Centre of Astronomy and Geodesy of the University of Madrid*): Ciudad Universitaria; f. 1948; Dir. Prof. J. M. Torroja; publs. *Publicationes del Seminario de Astronomia y Geodesía* (irregular).

Seminario de Historia Primitiva (*Seminary of Primitive Cultures*): Serrano 41; f. 1939; affiliated to UNESCO; library of 19,327 vols. and 493 periodicals; Museum of prehistoric and ethnological exhibits from Spain, Sudan, Morocco, Iran and the Sahara (Dir. Bernardo Sáez Martín); brs. in the Universities of La Laguna (Canary Islands) (Dir. Prof. Dr. E. Serra Ráfols), Santiago (Dir. Prof. Dr. C. Alonso Del Real), and Valencia (Dir. Prof. Dr. J. San Valero Aparisi); Dir. Prof. Dr. Julio Martínez Santa Olalla; publs. *Cuadernos de Historia Primitiva* (half yearly), *Disertaciones Matritenses, Notas, Monografias.*

Servicio Meteorológico Nacional (*National Meteorological Service*): Parque del Retiro, Apdo. 285; f. 1893; library of 12,000 vols.; 408 mems., 3,000 correspondents; Dir. Luis Azcárraga; Dir. of Central Office Pio Pita; 4,000 stations; publs. *Boletín diario, Boletín mensual climatológico, Resúmenes anuales, Memorias, Textos, Instrucciones, Estadísticas, Calendario Meterofenológico.*

Sociedad de Pediatria de Madrid (*Paediatrics Society*): Villanueva 11; f. 1913; 516 mems.; Pres. Prof. Dr. C. Laguna; Sec.-Gen. Dr. M. Navarro; publ. *Boletín de la Sociedad de Pedriatria de Madrid* (6 numbers annually).

Sociedad Española de Antropología, Etnografía y Prehistoria (*Spanish Society of Anthropology, Ethnography and Prehistory*): Apdo. 1014; f. 1921; 543 mems; library 7,050 vols. and 217 journals; Pres. José Luis de Arrese; Sec. (Life) Dr. Julio Martínez Santa-Olalla; publs. *Actas y Memorias*, related works.

Sociedad Española de Patología Digestiva y de la Nutrición (*Society of Digestive and Nutritional Diseases*): Almagro 38; f. 1933; 700 mems.; Pres. Dr. Heliodoro G. Mogena; publ. *Revista Española de las Enfermedades del Aparato Digestivo y de la Nutrición.*

Sociedad Española de Radiología y Electrología Médicas y de Medicina Nuclear: Villanueva 11; f. 1946; 452 mems., 209 founder mems.; Pres. Dr. Fernando Manchón Azcóna; publ. *Boletín de la Sociedad Española de Radiología y Electrología Médicas y de Medicina Nuclear.*

Sociedad General de Autores de España (*General Society of Spanish Authors*): Fernando VI, 4, Apdo. 484; f. 1932; library of 20,000 vols., theatrical works only; Pres. Luis Fernández Ardavin; Man. Dir. Victor Ruíz Iriarte; Sec.-Gen. Carlos Galiano de Prados.

Sociedad Veterinaria de Zootecnia de España (*Spanish Veterinary Society of Zootechnics*): Apdo. 1200; f. 1945; 250 ord. mems., 3,500 corresp. mems.; Pres. Dr. R. Diaz Montillo; Technical Sec.-Dir. Prof. Dr. C. L. de Cuenca; publs. *Proceedings of the First and Second International Veterinary Congresses of Zootechnics* (Madrid, 1947 and 1951), *Zootechnica* (quarterly).

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Unión Nacional de Astronomía y Ciencias Afines (*National Union of Astronomy and Related Sciences*): Serrano 123; f. 1946; Sec. Rev. A. ROMAÑA, S.J.; publs. *Urania* (quarterly, with Soc. Astronómica de España y América), Affiliations: *Observatorio Geofísico de Cartuja* (Granada), *Observatorio de Física Cósmica del Ebro, Observatorio Astronómico de la Univ. de Santiago, Seminario de Astronomía y Geodesia de la Univ. de Madrid.*

U.S. Information Centers: Castellana 48; also at Barcelona, Bilbao and Seville.

Barcelona

Archivos de Enfermedades del Corazón y Vasos (*Archives of Diseases of the Heart and Vessels*): Mallorca 180, 2°, 1A; f 1922; Dir. Dr. MANUEL MARTÍNEZ-GONZÁLEZ.

Archivos Españoles de Medicina Interna (formerly Archivos del Instituto de Medicina Práctica): Mallorca 180, 2°, 1A; Dir. Prof. Dr. JUAN GIBERT-QUERALTÓ.

Asociación Amigos de los Museos (*Friends of the Museums' Association*): Palacio de la Virreina; f. 1933; 977 mems., 16 hon., 78 associates, 48 protecting; Pres. VIZCONDE DE GUELL; Vice-Pres. FEDERICO MARÉS; Sec.-Gen. CAMILO BAS; publs. *Historiales*, monographs.

Ateneo Barcelonés (*Barcelona Athenæum*): Calle Camuda 6; f. 1860; library of 115,100 vols.; 2,000 mems.; governed by a Directorate; Pres. PEDRO GUAL VILLALBÍ; Libr. FELIPE MATEU LLOPIS.

Colegio de Ingenieros Industriales de Barcelona: Vía Layetana 39-3° is an association of engineer-graduates of the School of Industrial Engineers of Barcelona; Pres. and Dean MANUEL GARCÍA MADURELL; Sec. JUAN VALLVÉ CREUS.

Colegio Oficial de Arquitectos de Cataluña y Baleares (*College of Architects of Catalonia and the Balearic Is.*): Plaza Nueva 5, Barcelona 2; f. 1931; Sec. ANTONIO DE MORAGAS GALLISSÁ; publs. *Cuadernos de Arquitectura, Indice de Artículos en Publicaciones Periódicas.*

Comisaría Provincial de Excavaciones Arqueológicas (*Provincial Commission of Archæological Excavations*): Puerto Príncipe 31; f. 1946; Pres. Baron D'ESPONELLA; Dir. of Excavations Prof. J. DE C. SERRA RÁFOLS; publs. *Memorias, Ampurias* (monthly).

Comisión Provincial de Monumentos Históricos y Artísticos de Barcelona (*Barcelona Provincial Commission for the Preservation of Historical and Artistic Monuments*): Calle del Obispo Cassador 3, Plaza de San Justo; f. 1844; Pres. PEDRO MAYORAL PARRACIA; Sec. FELIPE DE SALVADOR Y DE SOLA.

Instituto Agrícola Catalán de San Isidro (*Catalan Agricultural Institute*): Plaza de San José Oriol 4; f. 1851; Pres. Marqués DE CAMPS; Sec.-Gen. FRANCISCO BOLDÚ TOMAS; Librarian CARMEN CASES RAFEL; publs. *Revista* (monthly), *Calendario del Payés* (yearly).

Instituto Amatller de Arte Hispánico (*Institute of Hispanic Art*): Paseo de Gracia 41; f. 1941; Dir. Prof. JOSÉ GUDIOL RICART; Sec. SANTIAGO ALCOLEA.

Instituto Antituberculoso "Francisco Moragas" (*Antituberculosis Institute*): Paseo de San Juan 20; f. 1932; library of 5 400 vols., 68 periodical publs.; Dir. Dr. CONRADO XALABARDER; publ. *Publicaciones del Instituto* (biannually).

Institut d'Estudis Catalans (*Institute of Catalan Studies*): Carrer de Montcada 20, Apartat 1146; f. 1907; first installed in the Palau de la Generalitat, 1932 in the ancient Casa de Convalescència; the Pres. of the three Sections preside in turn for four months each year; Sec.-Gen. R. ARAMON I SERRA; publs. *Anuari, Memories de la Secció Històrico-Arqueològica, Arxius de la Secció de Ciències, Butlletí de Dialectologia Catalana, Estudis Romànics, Biblioteca Filològica, Flora i Fauna de Catalunya, Butlletí de la Biblioteca de Catalunya, Publicacions del Departament de Música de la Biblioteca de Catalunya*, related works.

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ALSINA I BOFILL, JOSEP
CARRERAS I ARTAU, JOAQUIM
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Societat Catalana de Biologia.
Societat Catalana de Ciències Físiques, Químiques i Matemàtiques.
Societat Catalana de Geografia.
Societat Catalana d'Estudis Històrics.
Societat Catalana d'Estudis Jurídics, Econòmics i Socials.
Biblioteca de Catalunya: library of 250,000 vols.

Instituto del Teatro (*Theatrical Institute*): Calle Elisabets 12; f. 1913; exhibitions of scenery, lectures, etc.; Dir. Dr. GUILLERMO DÍAZ-PLAJA; Sec. MONSERRATE GALMÈS MELIS; publs. works on the theatre.

Instituto Municipal de Historia de la Ciudad: Calle de Santa Lucía 1, Casa del Arcediano; f. 1943; the Institute has taken over and added to the activities of the former Archivo Histórico de la Ciudad; it organises excavations in Barcelona, lectures, exhibitions, visits to places of historical interest, and a series of weekly broadcast talks; library of 100,000 vols. Archives of Municipal records and local press; Dir. Dr. PEDRO VOLTES; publs. include *Barcelona: Divulgación Histórica, Estudios y Documentos.*

Instituto Químico de Sarria (*Chemical Institute of Sarria*): Dr. Amigant 31; f. 1916; 1,300 mems.; library of 12,000 vols.; training centre for engineering and industrial chemistry; Dir. Dr. PEDRO FERRER PI, S.J.; Sec. Prof. JOHN JOSEPH MUÑOZ FERNÁNDEZ; publ. *Afinidad* (bimonthly).

Instituto y Jardín Botánico de Barcelona (*Botanical Institute*): Parque de Montjuich, Avenida de Montañans. (See page 936).

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Sociedad Astronómica de España y América (*Spanish and American Astronomical Society*): Av. del Generalísimo 377; f. 1911; 450 mems.; library of 2,350 vols.; lectures, courses, etc.; Acting Pres. Dr. JOACHIM FEBRER; Sec. ANTONIO PALUZIE-BORRELL; publ. *Urania* (quarterly), *Suplemento de Urania* (irregular).

Cadiz

Instituto y Observatorio Astronómico de Marina (*Naval Institute and Astronomical Observatory*): San Fernando; f. 1953; library of 21,500 vols., 8,000 maps and plans; Dir. FRANCISCO FERNÁNDEZ DE LA PUENTE Y GOMEZ; Libr. DAVID ALMORZA; collaborate with the British and the American Nautical Almanac Offices, Le Bureau des Longitudes and Das astronomische Recheninstitut; publs. *Almanaque Náutico* (annual), *Efemerides Astronómicas* (annual), *Almanaque Aeronáutico* (quarterly), *Anales, Boletín.*

Granada

Observatorio de Cartuja (*Observatory of Cartuja*): Apdo. 32; f. 1902; Dir. R.P. ANTONIO DUE ROJO, S.J.; publs. *Boletín Mensual* (monthly), *Trabajos Científicos*, Series A and B (A, Astronomy; B, Geophysics).

Málaga

Sociedad Malagüeña de Ciencias (*Málaga Scientific Society*): Rodríguez Rubí 3; f. 1872; Pres. Dr. ROMÁN CASARES BESCANSA; publs. *Boletín* (interrupted), *Anales.*

Oviedo

Instituto de Estudios Asturianos (*Institute of Asturian Studies*): Plaza de Porlier 5; f. 1946; 50 mems.; Dir. JOSE VIRGILI VINADÉ; publs. *Boletín*, related works.

San Sebastián

Real Sociedad Vascongada de los Amigos del País (*Royal Society of Friends of the Basque Country*): Museo de San Telmo; f. 1764, the first of such societies in Spain; 24 mems.; organised Museo de San Telmo and Museo Naval, also Conservatorio Municipal de Música; f. Editorial de Libros Vascongados *Books in Basque*; collaborated in archæological exploration of the prehistoric cave dwellings of the district; is the Guipuzcoan Office of the Consejo Superior de Investigaciones Científicas, Madrid (*see above*); Asst. Dir. FERNANDO DEL VALLE LERSUNDI; publs. *Boletín* (quarterly), *Egan* (literary supplement).

Seminario de Filología Vasca "Julio de Urquijo" (*"Julio de Urquijo" Seminary of Basque Philology*): Palacio de la Diputación de Guipúzcoa; f. 1953 to encourage the use and scientific study of the Basque language; attached to the University of Valladolid; Dir. LUIS MICHELENA.

Sociedad de Estudios Vascos Eusko-Ikaskuntza (*Society for Basque Studies*): Palacio de la Diputación de Guipúzcoa, f. 1918; Pres. JULIÁN ELORZA; Gen. Sec. PEDRO DE GARMENDIA; Sec. ANGEL DE APRAIZ.

Grupo de Ciencias Naturales "Aranzadi": Museo de San Telmo; f. 1947; attached to the Real Sociedad Vascongada de los Amigos del Pais; aim: to encourage interest in the various branches of natural science; 1,520 mems.; Pres. EDUARDO CHILLIDA; Sec. JESUS ELOSEGUI; publs. *Munibe* (quarterly), *Eusko-Folklore* (annual), *Aranzadiana.*

Tarragona

Real Sociedad Arqueológica Tarraconense (*Archæological Society*): Mayor 39; f. 1844; 440 mems.; Pres. MIGUEL ALEU PADRENY; Sec. ANTONIO ADSERA MARTORELL; publ. *Boletín Arqueológico* (quarterly).

Tortosa

Observatorio del Ebro (*Ebro Observatory*): Apdo. 9; f. 1904; library of 16,000 vols., rare works dating from 1499; Dir. Rev. P. Dr. ANTONIO ROMAÑÁ, S.J.; Chiefs of Sections: Rev. P. J-O. CARDÚS, S.J., Rev. P. ED. GALDÓN, S.J.; Rev. P. J. CASANOVAS, S.J.; publs. *Boletín* in five series: (*a*) Heliophysics; (*b*) Meteorology; (*c*) Seismology; (*d*) Terrestrial Magnetism, Telluric Currents, Atmospheric Electricity; (*e*) Ionosphere; publs. *Memorias, Miscelanea*, etc.

Valencia

Instituto Aula de "Mediterráneo": Universidad de Valencia; f. 1942; 545 mems.; Dir. Dr. F. SÁNCHEZ-CASTAÑER; publ. *Mediterráneo, Guión de Literatura* (quarterly).

Instituto de Estudios Ibéricos y Etnología Valenciana (*Institute of Iberian Studies and Valencian Ethnology*): Diputación Provincial, Caballeros 2; f. 1950; Spanish mems. 22, foreign mems. 5; Dir. Prof. Dr. JULIAN SAN VALERO APARISI; Sec. Prof. JOSÉ CANO MARQUÉS; publs. *Estudios Ibéricos* (4 vols.), *Etnología Valenciana* (3 vols.).

Servicio de Investigación Prehistórica de la Excelentísima Diputación Provincial: Palacio de la Baylia, Plaza de Manises 2; f. 1927; palæolithic, neolithic, Bronze and Iron Ages, Iberian and colonial exhibits, Prehistoric Americana; Dir. DOMINGO FLETCHER VALLS; publs. *La Labor del S.I.P. y su Museo, Trabajos Varios, Archivo de Prehistoria Levantina* (*Anuario*).

Zaragoza

Institución "Fernando el Católico" de la Excma. Diputación Provincial (C.S.I.C.): Palacio Provincial, Plaza de España; f. 1943; Sections: Philology, Literature, Art, Archæology and Numismatics, Folklore, History, Medicine, Geography, Economic and Social Studies, Exhibitions and Films, Architecture, culture, religion and agricultural studies; Pres. ANTONIO ZUBIRI VIDAL; Sec. ANTONIO SERRANO MONTALVO; Council of 14 representing the Church, University, Academies, Learned Societies and Municipal Corporations; mems.: 30 ordinary, 11 ex-officio, 31 hon., 69 corresp.; includes the Colegio de Aragón, whose Hon. Pres. JOSÉ IBÁÑEZ MARTÍN; Dean JOSÉ GASCÓN Y MARÍN; 40 mems.; periodical publs. *Archivo de Filología Aragonesa, Cesaraugusta, Seminario de Arte Aragonés, Estudios Pedagógicos, Archivos de Estudios Médicos Aragoneses, Cuadernos de Historia "Jerónimo Zurita", Cuadernos de Historia Diplomática, Zaragoza.*

Instituto de Arte (*Art Institute of the University of Zaragoza*): f. 1953; Dir. Prof. JULIO MARTINEZ SANTA-OLALLA; Sec. Prof. MILAGROS NAVARRO PÉREZ; Librarian Ma. PILAR FIGUERAS UCELAY.

Mahón, Minorca, Balearic Is.

Ateneo Científico, Literario y Artístico (*Scientific Literary and Artistic Athenaeum*): Calle Cifuentes 25; f. 1905; library of 14,000 vols.; 420 mems.; Pres. JUAN VICTORY DE FEBRER; Secs. ANDRÉS MURILLO, LORENZO LAFUENTE HERNÁNDEZ; publ. *Revista de Menorca* (quarterly).

Palma de Mallorca, Balearic Is.

Centro Meteorológico de Baleares (*Meteorological Station*): Calle Antonio Planas 23; f. 1934; library of 300 vols.; Dir. JOSÉ MA. JANSÁ GUARDIOLA; publ. *Boletín* (monthly).

Sociedad Arqueológica Luliana (*Archæological Society*): Almudaina 8; f. 1880; 208 mems.; library; museum; Pres. JUAN PONS Y MARQUÉS; Sec.-Librarian JUAN MUNTANER; publ. *Boletín* (quarterly).

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Las Palmas, Canary Is.

El Museo Canario (Sociedad de Ciencias, Letras y Artes) (*Scientific, Literary and Art Society*): Dr. Chil 33; f. 1879; incorporated with the Consejo Superior de Investigaciones Científicas; museum of Archæology, Ethnography, Anthropology and Natural Sciences; laboratories; important library (34,000 vols.), archives and periodicals relating to the history and primitive peoples of the Canaries; Pres. MANUEL MORALES RAMOS; Sec. JOSÉ MIGUEL ALZOLA; Dir. Dr. JUAN BOSCH MILLARES; Curator SIMÓN BENÍTEZ PADILLA; patronises the "Escuela Luján Pérez"; publ. *El Museo Canario* (quarterly).

Tenerife, Canary Is.

Real Sociedad Económica de Amigos del País de Tenerife (*Royal Economic Society of Friends of Tenerife*): La Laguna de Tenerife, Calle San Agustin 23; f. 1777, sections: *Intereses Morales, Intereses Materiales; Intereses Culturales, Intereses Económicos*; Dir. Coronel JOSÉ ZAMORANO LOMELINO; publs. works relating to the Canary Islands; library of 9,000 vols.; museum.

LIBRARIES

Madrid

Archivo Histórico Nacional (*National Historical Archives*); Calle Serrano 115; f. 1866; Dir. L. SÁNCHEZ BELDA; Sec. MARÍA TERESA DE LA PEÑA MARAZUELA; publs. catalogues, indexes, historical documents, private library, 8,000 vols.

Biblioteca Central de Marina (*Central Naval Library*): Ministerio de Marina, Montalbán 2; f. 1856; 42,585 vols.; Dir. JOSÉ MARÍA GUITIÁN VIEITO.

Biblioteca Central Militar (*Army Library*): Calle Martires de Alcalá 9; f. 1932; 186,021 vols. on military history; rare books, engravings, photographs, maps and plans; Dir. Col. JOSÉ MATEOS REBOLLO.

Biblioteca Central del Ministerio del Aire (*Central Library of the Air Ministry*): Plaza de la Moncloa; f. 1927; reorganised 1942; 30,000 vols. on aeronautics, engineering, meteorology, chemistry, mathematics and military subjects; Dir. LUIS CUADRA.

Biblioteca Central del Ministerio de Hacienda (*Central Library of the Ministry of Finance*): Calle de Alcalá 11; f. 1852; 16,143 vols. on economics, finance and Government legislation; Librarian ANTONIO MATILLA TASCÓN.

Biblioteca de la Asociación Nacional de Ingenieros Industriales (*Library of the National Association of Industrial Engineers*): Layetana 39-30; f. 1863; 1,200 mems.; 13,000 vols.; Pres. MANUEL GARCÍA MADURELL; Librarians ISABEL TRABAL, ESTHER RUBÍN.

Biblioteca Ducal de Lerma: Genova 28; 14,500 vols., 600 MSS.; Librarian PEDRO LONGAS.

Biblioteca del Ministerio de Asuntos Exteriores (*Library of the Ministry of Foreign Affairs*): Plaza de la Provincia 2, f. 1900; 35,094 vols.; works on history, geography; literature, international law, political and civil law; Dir. LUIS GARCÍA RIVES.

Biblioteca del Ministerio de Educación Nacional (*Library of the Ministry of National Education*): Alcalá 34; f. 1900; reorganised 1941; 26,000 vols.; Dir. LUIS DE LA CUADRA ESCRIVÁ DE ROMANÍ; publs. *Catálogo General con Apéndices (1944-53), Catálogo de la Sección de Educación y Enseñanza* (3 vols. 55, 59, 60).

Biblioteca del Ministerio de Información y Turismo (*Library of the Ministry of Information and Tourism*): Zurbaran 1; f. 1942; 28,384 vols., and a newsprint collection of 11,710 vols., and 172,000 pamphlets; Dir. RAMON FERNANDEZ POUSA.

Hemeroteca Municipal de Madrid (*Madrid Library of Spanish and Foreign Periodicals*): Plaza de la Villa 3; f. 1918; 18,000 bound vols., 3,600 periodicals; the library maintains a microfilm service and organises the exchange of scientific literature; Dir. Dr. EULOGIO VARELA HERVIAS.

Biblioteca Nacional (*Nat. Library*): Av. de Calvo Sotelo 20; f. 1712 as Royal Library; over 1,500,000 vols., 25,000 vols. of MSS., 3,000 incunabula, 45,000 rare books, prints, music, maps, reviews; magnificent Sala de Cervantes; Research Room; loan service for specialists and students; Dir. (acting) RICARDO BLASCO GÉNOVA; Sec. JOSÉ IBÁÑEZ CERDA; publs. catalogues, bibliographies, classics.

Biblioteca de la Escuela Técnica Superior de Ingenieros de Caminos Canales y Puertos (*Library of Special School for Road, Canal and Port Engineers*): Alfonso XII 3; f. 1799; 49,489 vols.; Dir. LUIS MARTÍN DE VIDALES; Librarian TOMÁS GARCÍA DIEGO.

Biblioteca de la Escuela Técnica Superior de Ingenieros Industriales (*Library of the Special School for Industrial Engineers*): Paseo de la Castellana 86; f. 1905; 9,200 vols., 3,915 periodicals; Dir. MANUEL SOTO REDONDO; Librarian MARIA MOLINER RUIZ.

Biblioteca del Palacio Real (*Library of the Royal Palace*): Palacio Real; f. 1716; 200,000 vols.; fine collections of MSS., incunabula, music, rare editions dating from the 16th century, engravings and drawings; research library exclusively; Dir. MATILDE LÓPEZ SERRANO publs. historical works, catalogues.

Biblioteca de la Dirección General de Plazas y Provincias Africanas (*Library of the Department for African Provinces*): Paseo de la Castellana 5; f. 1949; works on Africa and Moorish Spain; Librarian MARÍA ASUNCIÓN DEL VAL.

Biblioteca de la Universidad de Madrid (*Madrid Univ. Library*): f. 1341; second in importance in Madrid, one of the most complete in Spain; 407,984 vols., 208,000 pamphlets; Dir. JAVIER LASSO DE LA VEGA.

Biblioteca Hispánica (del Instituto de Cultura Hispánica): approx. 180,000 vols.; includes library of Spanish and Latin American press and periodicals; Dir. José IBÁÑEZ CERDÁ; Chief, Publications Exchange Division, EL BARON DE COBAS DE BELCHITE.

Servicio de Publicaciones del Ministerio de Trabajo (*Publication Service of the Ministry of Labour*): Plaza Nuevos Ministerios; library with 65,000 vols. excluding pamphlets and newspapers; publs. *Revista de Tarbajo* (quarterly), *Boletín Oficial del Ministerio de Trabajo* (monthly), etc.

El Escorial

Real Biblioteca de San Lorenzo de El Escorial (*The Escorial Library*): El Escorial; f. 1575; 50,000 vols., 650 incunabula; MSS.: 2,000 Arabic, 2,090 Latin and vernacular, 72 Hebrew, 580 Greek; many rare and unique editions, including complete copy of the *Biblia Poliglota Complutensis* and of the *Biblia Poliglota* of Antwerp on parch-

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ment, and *Epitome de Anatomía*, by Vesalius, also on parchment; 10,000 engravings and prints; Dir. P. GREGORIO DE ANDRÉS.

Barcelona

Archivo de la Corona de Aragon (*Royal Archives of Aragon*): Condes de Barcelona 2; f. 9th century; auxiliary library of 6,870 vols.; Dir. FEDERICO UDINA MARTORELL; Vice-Dir. VICENTE SALAVERT ROCA; Sec. ANTONIO-M. ARAGÓ CABAÑAS; Chiefs of Sections: MARTA LLOVET SANZ, MERCEDES COSTA PARETAS; publs. several works on the Royal House of Aragon, Guides, Catalogues and Indexes.

Archivo Episcopal (*Archives of the Bishopric*): Palacio Episcopal; f. 11th century, registers (1,200) from 1302; Diocesan Archivist Pbro. JOSÉ SANABRE SANROMÁ; publ. *Guia del Archivo Diocesano* (1934).

Biblioteca Central de la Diputación Provincial de Barcelona (Biblioteca de Cataluña): Apdo. 1077, Carmen 47; f. 1914; 470,000 vols.; 14 special sections: Bibliografía Española de Italia (Colección Toda); Cervantina (Colección Bonsoms); Clásicos Griegos y Latinos; Raros (16th to 18th centuries); Bibliografía de Mosén Jacinto Verdaguer; Ediciones del Kempis (Colección Janer); Libros de Ajedrez (chess) (Colección Paluzie); Bibliografía de San Juan de la Cruz (Colección Soler); incunabula; Grabados, Mapas y Planos; Hemeroteca antigua; MSS., Documentos (Archivo de la Junta de Comercio); Música (Colecciónes Carreras, Pedrell, Peña, etc.); Dir. Dr. FELIPE MATEU Y LLOPIS; Sec. Srta. ENRIQUETA CASAS; Honor. Keeper of Music Mons. HIGINO ANGLÈS; Keeper D. J. LLORENS; Keeper of MSS Dr. PEDRO BOHIGAS; Keeper of the *Sección Cervantina* LUIS M. PLAZA; publ. *Guia* of the Central Library.

Dirección de Bibliotecas Populares y Especiales (*Barcelona Central Administration of Popular and Specialised Libraries*): Carmen 47, Apdo. 1077; f. 1914; Dir. Dr. FELIPE MATEU Y LLOPIS; Chief Srta. JUSTA BALLÓ; publs. *Anuario de la Biblioteca Central y de las Populares y Especiales.*

Biblioteca Balmes (*Balmes Library*): Durán y Bas 9-11; f. 1923; 25,000 vols.; Dir. José VIVES; publs. *Analecta Sacra Tarraconensia.*

Biblioteca de la Asociación Nacional de Ingenieros Industriales (*Library of Nat. Assen. of Industrial Engineers*): Layetana 39-3°; f. 1863; 1,200 mems.; 13,000 vols.; Pres. MANUEL GARCÍA MADURELL; Librarian ISABEL DE P. TRABAL TALLADA.

Biblioteca de la Cámara Oficial de Comercio y Navegación de Barcelona (*Library of Chamber of Commerce and Navigation*): Casa Lonja del Mar, Paseo de Isabel II; specialises in economic and commercial literature; 39,561 vols.; Dir. MERCEDES MASVIDAL COLL.

Biblioteca de la Cámara Oficial de la Industria de Barcelona (*Library of Barcelona Chamber of Industry*): Calle Ancha 11; f. 1912; 17,723 vols.; Sec.-Gen. JOSÉ DAURELLA; Librarian JOSÉ BOFILL: publs. *Anuario Industrial de Cataluña, Boletín Informativo* (monthly), *Noticiario de Commercio Exterior.*

Biblioteca de la Delegación en Barcelona del Instituto Nacional del Libro Español (I.N.L.E.) (*Library of the National Book Institute, Barcelona Office*): Via Layetana 158; f. 1930; 8,500 vols. on bibliography, copyrights, history and technology of books, etc.

Biblioteca de la Delegación Provincial de Barcelona de la Organización Nacional de Ciegos (*Braille Library*): Calle Ancha 2; f. 1939; 3,995 vols.; loan service.

Biblioteca del Centro Excursionista de Cataluña (*Library of the Mountaineering Centre*): Paradis 10; f. 1876; 3,000 mems.; *ca.* 17,000 vols., mostly on mountaineering; Lib.-Dir. JOSÉ GIRONA; publ. *Montaña* (every two months).

Biblioteca del Colegio de Abogados de Barcelona (*Barcelona College of Lawyers' Library*): Mallorca 283; f. 1832; 3,200 mems.; 83,464 vols.; Dean FEDERICO RODA VENTURA; Librarian JOSÉ L. SAGARRA; publ. *Revista Jurídica de Cataluña.*

Biblioteca del Colegio Notarial de Barcelona (*Library of College of Notaries*): Notariado 4; f. 1862 in present form, though in existence before 1395; 4,500 vols., 48,500 protocols from 13th century; Dean RAMÓN FAUS; Sec. FRANCISCO VIRGILI.

Biblioteca del Colegio Oficial de Farmacéuticos de Barcelona y su Provincia (*Library of Barcelona Province College of Pharmaceutists*): Via Layetana 94; f. 1926, reorg. 1942; 6,304 vols.; Dir. JOSÉ MARIA CALZADA BADÍA; publ. *Circular Farmacéutica, Boletín anéxo.*

Biblioteca del Fomento del Trabajo Nacional (*Library of Dept. of Trade Development*): Via Layetana 32 and 34; f. 1889; 66,003 vols.; Librarian JUAN F. PALOMAR SAEZ; publs. *El Trabajo Nacional* (monthly).

Biblioteca del Instituto Municipal de Historia de la Ciudad: Casa del Arcediano, Calle de Santa Lucia 1; 100,000 vols., includes the collections of the Archivo Histórico de la Ciudad and the auxiliary library; the latter is divided into four sections: general and miscellaneous works published in Barcelona from the 16th century; the Massana Library, containing works on iconography and the history of costume; and a manuscripts section. The newspaper section has a collection of 6,000 periodicals dating from the earliest Spanish origins.

Biblioteca Luis Faraudo de Saint-Germain (*Private Library*): Ali Bey 15, Piso 3; 6,000 vols.; specialises in works relating to Catalonia, Valencia, Balearic Is., Roussillon and Sardinia.

Biblioteca Universitaria y Provincial: Av. José Antonio 585; f. 1847; 350,000 vols., of which more than 5,000 are of the 16th century, 914 incunabula, 2,000 MSS. dating from 10th century; Dir. IGNACIO RUBIO CAMBRONERO.

Biblioteca y Colección Cervantina Sedó Peris-Mencheta (*Cervantes Collection*): Ronda San Pedro 23; f. 1926; 1,350 eds. of *Don Quijote de la Mancha* in some 50 languages; 538 eds. of other works by Cervantes, largest being *Viaje del Parnaso*; Founder and Propr. JUAN SEDÓ PERIS-MENCHETA.

Colección Teatral de Don Arturo Sedó (*Theatrical Library, owned by Arturo Sedó Guichard*): Gerona 89; f. 1940; 100,000 works, including Catalonian, Valencian and foreign theatres, MSS., autographs, rare eds., music, correspondence, theatrical history, programmes, etc.

Asociación Nacional de Archiveros y Bibliotecarios y Arqueólogos (Delegación de Cataluña y Baleares) (*National Association of Archivists and Librarians*): Biblioteca Central de la Diputación Provincial de Barcelona, Carmen 47 y Hospital 56, Apdo. 1077; Archivo de la Corona de Aragón, Calle Condes de Barcelona 2; Sec. FRANCINA SOLSONA CLIMENT.

Granada

Archivo de la Real Chancillería de Granada (*Archives of the Royal Chancery of Granada*): Palacio de la Audiencia Territorial, Plaza Nueva; f. 1505 by Ferdinand and Isabella; consists of 20,231 files of documents and 304 printed books of lawsuits settled by the *Tribunal de la Real Chancillería* from 1490 to 1830, covering the terri-

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tory south of the Tagus; Dir. ELADIO DE LAPRESA MOLINA.

Jerez de la Frontera, Cadiz

Biblioteca, Archivo y Colección Arqueológica Municipal (*Town Library and Archæological Museum*): Plaza de la Asunción 1; library f. 1873 museum; 1933 27,000 vols.; historical series neolithic to Renaissance; important coin collection, Hispanic, Roman, Arab, ancient Spanish; increased by collections of objects recovered from excavations in Asta Regia relating to the Mediterranean Bronze Age I; archives include documents dating from the reconquest of Jérez by Alfonso El Sabio; Dir. MANUEL ESTEVE GUERRERO.

La Coruña

Archivo Regional de Galicia (*Regional Archives of Galicia*): f. 1775; comprise a total of 34,000 bundles of documents dating back to 1480, concerning 800,000 disputes and lawsuits relative to the clergy, the nobility and private persons; library of 3,500 vols. closely related to the archives and of special interest for research; Dir. Dr. ANTONIO GIL MERINO.

Pereleda (Gerona)

Biblioteca del Palacio de Pereleda (*The Palace of Pereleda Library*): f. 1882 by the Count of Pereleda; contains 55,000 vols., 200 incunabula, 20,000 pamphlets and 6,000 parchments on History and Art; Librarian Don MARTÍN COSTA.

Sabadell

Archivo Histórico de la Ciudad (*Historical Archives*): f. 1793; documents date from 1200; MS. of *El Libro de Privilegios y Formularios Notariales*, one dating from the 14th century; collection of local journals and reviews dating from 1853; Dir. ERNEST MATEU VIDAL.

Santander

Biblioteca de Menéndez Pelayo (*Menéndez Pelayo Library*): Rubio 6; comprises: (1) the private library of this writer, 45,000 volumes, not to be increased in number, left by him to the town; opened to the public 1915; (2) **Biblioteca de Menéndez Pelayo—Sección de Fondos Modernos** (*Section of Modern Works*) now housed in an adjacent building; opened to the public 1908; 70,000 vols.; both sections of Menéndez Pelayo Library inaugurated 1923 by Alfonso XIII; Dir. IGNACIO AGUILERA SANTIAGO; Sec. NICANOR DE LA OCEJA; publ. *Boletín* (quarterly).

Segovia

Archivo General Militar (*Military Archives*).

Seville

Archivo de la Casa de Medinaceli (*Medinaceli Archives*): Plaza de Pilatos 1; archives of IX-XX centuries; 6,000 files; Archivist JOAQUIN GONZALES MORENO; publ. *Historica.*

Archivo General de Indias (*Archives of the Indies*): f. 1785; over 20,293 vols., 38,903 files; Dir. JOSÉ DE LA PEÑA; publs. include *Catálogo de Pasajeros a Indias durante los siglos* XVI, XVII and XVIII, *Catálogo de Documentos de la Sección Novena, Archivo General de Indias de Sevilla, Guía del Visitante Madrid* 1958.

Biblioteca Capitular Colombina: The Cathedral; f. 1450; 83,100 vols.; Dir. Dr. FRANCISCO ALVAREZ S.; Asst. Dir. FRANCISCO GUERRERO.

Simancas, Valladolid

Archivo General de Simancas (*Simancas General Archives*): f. 1545; 61,505 filed documents and 5,196 vols. of documents; library of 6,479 vols. on history; Dir. RICARDO MAGDELENO REDONDO; publs. *Guía del Investigador, Guia del Visitante* and 23 catalogues of 30 volumes each.

Toledo

Archivo y Biblioteca Capitulares (*Archives and Library of the Cathedral Chapter*): Catedral de Toledo; the *Archivo Capitular* contains 10,000 documents and files dating from 1086; the library contains 3,000 manuscripts dating from the 8th and 9th centuries, and 1,500 printed books; Dir. JUAN FRANCISCO RIVERA RECIO (*Canónigo Archivero Bibliotecario*).

Valencia

Archivo del Reino de Valencia: Calle Angosta de la Compañía 3; f. 1419; 47,228 manuscript books (13th to 19th centuries), 7,317 files of manuscripts, 51,553 charters, deeds, etc. from the 13th century onwards; Dir. ROSA RODRÍGUEZ TRONCOSO.

Palma de Mallorca, Balearic Is.

Archivo Histórico de Mallorca (*Historical Archives of Majorca*): Palma, Lulio 5; f. 13th century; 15,345 vols.; *Códice de los Reyes* dated 1334; Dir. JUAN PONS Y MARQUÉS; publs. *Memoria descriptiva del Archivo Histórico de Mallorca* (1921), *El Códice de Privilegios de Mallorca* (1952), *Boletín de la Dirección General de Archivos y Bibliotecas X* (1962).

MUSEUMS

Madrid

Casa de Sorolla (*Sorolla's House*): General Martínez Campos 33; f. 1932; permanent exhibition of some 350 of the artist's works, including drawings, water-colours, portraits, and his own art collections; Pres. of Com. MANUEL BENEDITO VIVES; del. mem. FRANCISCO PONS SOROLLA, Jr.

Instituto de Valencia de Don Juan (*Don Juan Institute of Valencia*): Fortuny, 43; f. 1916; historical archives, historical and art library of 10,024 vols.; illuminated MS. *Les Statuts de la Toison d'Or* with miniatures; museum of ancient Spanish industrial arts; Dir. PEDRO LONGÁS BARTIBÁS.

Museo Arqueológico Nacional (*National Archæological Museum*): Serrano 13; f. 1867; library of 14,371 vols., medieval MSS. include Huesca Bible of 12th century, Cardeña *Beato* of 12th or 13th century, *Regla de San Benito* and *Calendario* of the Abbey of Las Huelgas de Burgos of 13th century; most notable archæological library in Spain; very rich collections relating to national prehistory, Iron Age, Roman Spain, medieval and modern times, numismatics, ivory carvings, Spanish pottery, Islamic pottery, brocades, tapestries; Dir. Dr. JOAQUÍN M. DE NAVASCUÉS Y DE JUAN; Librarian Dr. LUIS VÁZQUEZ DE PARGA.

Museo Cerralbo: Ventura Rodriguez 17; f. 1924; the late Marquis of Cerralbo left his house to the nation as a Museum, together with his collection of paintings, drawings, engravings, porcelain, arms, carpets, coins, furniture; the paintings include pictures by El Greco, Ribera, Titian, Van Dyck, Tintoretto; Dir. CONSUELO SANZ-PASTOR FZ. DE PIÉROLA.

Museo de Arte Contemporaneo: Paseo de Recoletos 20; f. 1959; Spanish and foreign contemporary art; Dir. FERNANDO CHUECA.

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Museo Nacional de Ciencias Naturales (*Natural Science Museum*): Paseo de la Castellana 84; f. 1771 as Gabinete de Historia Natural by Carlos III; based on the valuable collections of Pedro Franco Dávila; mineral section noteworthy for rich exhibits from the Americas sent by the Viceroys; Dir. Dr. FRANCISCO HERNANDEZ-PACHECO DE LA CUESTA.

Museo del Ejército (*Army Museum*): Méndez Núñez 1; f. 1804; some 8,000 exhibits; Dir. GUSTAVO URRUTIA GONZALEZ; publ. *Guía del Visitante.*

Museo Etnológico (*Anthropological and Ethnological Museum*): Paseo de Atocha 11; f. 1875; some 4,000 exhibits and about 1,000 skulls; famous collections from Spanish Guinea and the Philippines, and a complete collection of Chiu-Chiu mummies from Bolivia; Dir. Prof. JOSÉ TUDELA DE LA ORDEN; publ. *Cuadernos del Museo Etnológico, Consejo Superior de Investigaciones Científicas.*

Museo Nacional de Ciencias Naturales (*Geological Museum*): Avda. del Generalísimo 84; f. 1771; sections of Geology, Physical Geography, Mineralogy, Palæontology; notable exhibits from the Americas; Dir. FRANCISCO HERNANDEZ-PACHECO; publs. *Anales del Museo, Boletín de la Real Sociedad Española de Historia Natural.*

Museo de Historia Primitiva: Enrique d'Almonte 1; Curator JULIO MARTINEZ SANTA-OLALLA. (*See under* Seminario de Historia Primitiva.)

Museo Municipal de Madrid (*Madrid Museum*): Calle Fuencarral 787, Madrid-4; f. 1928; portraits, paintings, designs, engravings, plans, silversmiths' work, coins, ceramics, porcelain, paintings by Bayeu and Castillo for the Royal Madrid Looms, theatrical and bull-fighting relics, all showing history of Madrid; Dir. ENRIQUE PASTOR MATEOS.

Museo Nacional de Artes Decorativas (*National Museum of Decorative Arts*): Montalbán 12; f. 1912; ceramics, glass, textiles, embroidery, stamped leather, furniture, wood, iron, carpets, *nacimientos* (representations of the Nativity); Dir. PILAR FERNÁNDEZ VEGA.

Museo Nacional de Arte Moderno (*National Museum of Modern Art*): Paseo de Recoletos 20; f. 1894; collections show Spanish art from 1800, including paintings by Anglada, Sorolla, Zuloaga, Solana and Regoyos; Dir. ENRIQUE LAFUENTE FERRARI.

Museo Naval (*Naval Museum*): Ministerio de Marina, Montablán 2; f. 1843; library of 10,500 vols.; engravings of sea battles; 1,202 vols. of manuscripts; some 12,000 original maps of the Americas and the Philippines dating from 1600; files containing over 17,800 photographs; Dir. Admiral JULIO F. GUILLÉN.

Museo del Prado (*National Museum of Paintings and Sculpture*): Calle de Felipe IV; f. 1819; paintings by Botticelli, Rembrandt, Velazquez, El Greco, Goya and Murillo, Reynolds, Holbein, Tiepolo, Ribalta, Rubens, Titian, Veronese, Tintoretto, Moro, Juanes, Menendez, Poussin, Ribera, etc.; Renaissance sculpture and silverwork; Dir. FRANCISCO J. SÁNCHEZ CANTÓN; publs. *Dibujos de Goya*, Catalogues.

Museo de Pintura y Salas de Escultura: Alcalá 13.

Museo del Pueblo Español (*Museum of the Spanish People*): Plaza de la Marina 9; f. 1934; 15,000 exhibits, with special reference to folklore; Dir. PEDRO HERRERA CALVO; Sec. JOSÉ PÉREZ VIDAL; publs. Catalogues.

Museo de Reproducciones Artísticas (*Reproductions of Works of Art*): Alfonso XII 28; f. 1878; library of 5,958 vols.; 3,219 reproductions of Oriental, Greek, Roman and Hispano-Roman statuary, medieval and Renaissance art, classical and medieval decorative arts; Dir. Dr. ENRIQUE LAFUENTE; Sec. FRANCISCO ROCHER JORDA; Librarian FRANCISCA RUIZ PEDROVIEJO.

Museo Romántico (*Museum of the Romantic Epoch*): San Mateo 13; paintings, furniture, books and decorations of the Spanish romantic period; Dir. MARÍA ELENA GÓMEZ-MORENO; Sec. RAÚL-ALBERTO DIEZ SÓMEZ.

Barcelona

Instituto Municipal de Ciencias Naturales (*Municipal Institute of Natural Science*): Parque de la Ciudadela, Apdo. de Correos 593; f. 1882; Acting Dir. Dr. JAIME MARCET RIBA; publ. *Trabajos.* Affiliated institutions:

Museo de Geología (*Museo Martorell*): Parque de la Ciudadela; f. 1882; Curators (Petrography) Prof. Dr. ALFREDO SAN MIGUEL ARRIBAS, (Palæontology) Prof. Dr. J. MARCET-RIBA.

Museo de Zoología: Parque de la Ciudadela; f. 1882; Curators: Entomology: FRANCISCO ESPAÑOL COLL; publs. *Trabajos* and *Miscelanea Zoológica.*

Instituto y Jardín Botánico de Barcelona: Parque de Montjuich, Avda. de Montañans; f. 1917; Dir. ANTONIO DE BOLÓS Y VAYREDA; publs. *Collectánea Botánica, Memorias, Iconografía,* and other works.

Museo Etnológico y Colonial: Parque de Montjuich; f. 1948; Curator AUGUSTO PANYELLA GÓMEZ.

Museo de Arte de Cataluña (*Museum of Ancient Art*): Palacio Nacional, Parque de Montjuich; f. 1934; collections of Romanesque and Catalan Gothic paintings and sculpture; Renaissance and Baroque paintings; Dir. JUAN AINAUD DE LASAPTE.

Museo de Arte Moderno: Palacio de la Ciudadela; Dir. JUAN AINAUD DE LASARTE; publs. *Boletín y Anales de los Museos de Barcelona,* catalogues; library of 25,000 vols. on art (f. 1946).

Museo Arqueológico de Barcelona (*Archæological Museum*): f. 1932; collections of prehistoric, Greek, Phoenician Visigothic and Roman art; library of 18,000 vols.; Dir. E. RIPOLL PERELLO; publ. *Ampurias,* and monographs.

Museo Etnológico-Sección Hispanica (*Spanish Section of the Ethnographical Museum*): Pueblo Español, Parque de Montjuic; Dir. AUGUSTO PANYELLA GOMEZ; Curator (Vacant).

Museo de Historia de la Ciudad: Casa Padellás (mansion del s. XV) Real Capilla y Salon del Trono ("Tinell") (s.XIV); f. 1943; Roman and Visigothic sections with remains *in situ*; sculpture, funeral remains, Jewish and Arabic rooms, etc.; Dir. FEDERICO UDINA.

Museo del Arte Escénico del Instituto del Teatro (*Museum of Scenic Arts of the Theatre Institute*): Conde del Asalto No. 3; f. 1954 exhibits to show the evolution of the theatre, plane and solid scenery, fashions, costumes, pictures, posters, personal mementoes, etc.; Dir. GUILLERMO DIAZ-PLAJA, Curator MONSERRATE GALMES MELIS.

Museo Marítimo de Barcelona (*Maritime Museum*): Reales Atarazanas; f. 1941; Dir. JOSÉ M. MARTÍNEZ-HIDALGO Y TERÁN.

Museo Monografico de Ampurias (*Monographic Museum of Ampurias*): f. 1946; collection of excavations of the Greco-Roman city; Dir. M. ALMAGRO.

Museo de Música: Bruch 110; f. 1946; valuable collections of antique instruments; Founder Dr. TOMÁS CARRERA ARTAU; Dir. J. RICART MATAS.

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Bilbao

Museo de Bellas Artes y de Arte Moderno de Bilbao: Parque de Doña Casilda Iturriza; f. 1913; 1,923 exhibits of paintings, sculpture, furniture; famous works by E. Greco, Goya, Velázquez, Jordaens, Teniers, Riberal Gauguin and many others; Dir. CRISANTO LASTERRA.

Burgos

Museo Arqueológico de Burgos: Casa de Miranda, Calle de la Calera, No. 25; f. 1871; collections of ivories, enamels, pictures and sculpture; notably an enamel of Christ and the Apostles (7 ft. × 2 ft.), an Arabic ivory case (10th century) from the workshop of Medina Azahara, the statue of Don Juan de Padilla praying, and a 16th-century painting, "Ecce Homo"; Dir. BASILIO OSABA Y RUIZ DE ERENCHUN; publ. *Anales*.

Cartagena

Museo Arqueológico Municipal: Calle de Canales; f. 1943; important collections of Roman remains, including mining exhibits; Dir. Dr. FRANCISCO JORDÁ CERDA; publs. *Publicaciones de la Junta Municipal, Boletín Arqueológico del Sudeste Español, Crónicas de los Congresos Arqueológicos*.

Chipiona, Cádiz

Museo Misional de Nuestra Señora de Regla: Colegio de Misioneros Franciscanos; f. 1939; about 600 exhibits of early Roman Christian relics, ancient Egyptian and other North African objects, antique coins, etc.; Dir. R. P. RECTOR DEL COLEGIO.

Córdoba

Museo Arqueológico Provincial de Córdoba: f. 1898; 10,470 archæological and historical exhibits; Dir. Dr. SAMUEL DE LOS SANTOS JENER.

Gerona

Museo Diocesano: Plaza de España 2 (Palacio de Carles); f. 1942; antiquities of Iberian, Hellenistic and Roman art; paintings, sculpture, ceramics, glass, gold and silverwork, ironwork, furniture, textiles, manuscripts and books, numismatics and other collections; Dir. Dr. JAIME MARQUÉS CASANOVAS.

Ibiza

Museo Arqueológico de Ibiza: Plaza de la Catedral 3; f. 1907; 5,000 exhibits, almost exclusively Carthaginian; Dir. JOSÉ MA. MANÁ DE ANGULO.

Lérida

Colección Provincial Arqueológica: Prehistoric and ancient art; attached to the Instituto de Estudios Ilerdenses, in the old Hospital de Santa María de Lérida.

Gabinete Numismático de Lérida: Instituto de Estudios Ilerdenses; Roman, Iberian exhibits, local collections.

Museo de la Paherra de la Ciudad de Lérida: Historical documents and objects belonging to the municipality; archæological finds of Lérida.

Museo Diocesano: carpets, medieval paintings and sculpture.

Museo Morera: housed in the Old Hospital of Santa María, Avda. de Blondel; museum of modern paintings, including works by Morera, C. Haes and others.

Mérida, Badajoz

Museo Arqueológico de Mérida (*Archæological Museum*): Plaza de Santa Clara 5; f. before 1838, in present form 1929; pre-Roman and Roman, early Christian, Visigothic, Arab; heraldry, etc.; Dir. JOSÉ ALVAREZ SÁENZ DE BURUAGA.

Pontevedra

Museo de Pontevedra: Calle de la Pasantería, Apdo. 104; f. 1927, opened 1929; library of 11,000 vols. on art and archæology of Galicia; ancient industrial and naval history of Galicia; prehistoric jewellery and jet ornaments; Dir. JOSÉ FILGUEIRA VALVERDE; publs. *El Museo de Pontevedra, Cancionero Musical de Galicia, Archivo de Mareantes, Grabados Compostelanos, Materiales para la Carta Arqueológica de la Provincia de Ponteredra* and many others; series of drawings, monographs.

Sabadell, Barcelona

Museo de la Ciudad de Sabadell: San Antonio 13; f. 1931; palæontological, prehistoric, archæological, numismatic collections, native handicrafts; Dir. LUIS MÁS GOMIS; Sec. PEDRO ROCA GARRIGA; publs. *Anuario, Arrahona. Comunicaciones, Circulares, Boletin Informativo* (European Activity in Vertebrate Palæontology).

San Roque, Cádiz

Museo Histórico de San Roque: Ayuntamiento, San Roque, Prov. Cadiz; f. 1956; documents of Gibraltar and museum of Carteyan excavations; Dir. José DOMINGO DE MENA; Chief of Archæological Section JULIO MARTINEZ SANTA-OLALLA.

San Sebastián, Guipúzcoa

Museo Municipal de San Telmo: housed in an ancient Convent dating from the reign of Charles V; inaug. 1902 by Alfonso XIII; prehistoric, archæological, anthropological, numismatics; paintings by Vicente López, El Greco, Goya, etc., and moderns; the ancient chapel decorated with 11 famous murals by José Ma. Sert; Museo Vasco, Ethnographical Section, shows the rural life of the Basques; weapons, history of San Sebastián; Dir. GONZALO MANSO DE ZÚÑIGA, governed by a Junta de Patronato.

Museo Naval y Aquarium (*Naval Museum*): Sociedad de Oceanografía de Guipúzcoa, Muelle; f. 1914; models of famous ships, portraits of navigators, local fishing tackle, and aquarium; oceanographic museum and marine laboratory.

Santander

Museo Provincial de Prehistória y Arqueología (*Regional Prehistoric and Archaeological Museum*): f. 1926; attached to the *Centro Internacional de Investigaciones Prehistóricas*; important paleolithic and neolithic collections from the caves of the Gran Caverna de El Pendo, Camargo; El Castillo, Puenteviesgo; El Rey, Villaescusa; Valle, Rasines; Hornos de la Peña, Buelna; Gruta de Altamira, etc.; 4 unique gigantic Celtic steles connected with sun-worship; pottery, coins and jewellery from a Roman town discovered near Reinosa by Dr. Carvallo; collection of Phoenician ceramics from the necropolis of Cadiz; gallery of prehistoric art with 115 reproductions of paleolithic pictures; Dir. Dr. MIGUEL ANGEL GARCÍA GUINEA; Vice-Dir. JOAQUÍN GONZÁLEZ ECHEGARAY; publ. *Investigaciones Prehistóricas*.

Seville

Museo Arqueológico Provincial: Plaza de América (Parque de María Luisa); f. 1880; *c.* 10,000 exhibits; Roman statues, lead coffins; incorporates the municipal collections; Dir. CONCEPCION FERNANDEZ-CHICARRO Y DE DIOS; Asst. Dir. JUAN MARÍA VAZQUEZ; publs. *Guía, Catálogo de los Retratos Romanos del Museo, Catálogo del Museo Arqueológico de Sevilla, Trajano el Militar*, and various monographs.

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Museo Provincial de Bellas Artes: Plaza del Museo 8; f. 1835; housed in the old Convento de la Merced; collections include works by Zurbarán, Murillo, Valdes Leal, Pacheco, Esquivel, etc.; Pres. of the Patronato del Museo José Hernández Diaz; Dir. Alfonso Grosso Sánchez.

Sitges

Museo del "Cau Ferrat": f. 1893; ironwork, glass, painting; Dir. J. Ainaud de Lasarte.

Soria

Museo Celtibérico (*Celtiberian Museum*): Calle de los Caballeros 17; f. 1932; prehistoric, proto-historic and Roman archæological collections, comprising 2,505 objects; Dir. Dr. Ricardo de Apraiz.

Museo Numantino (*Numancio Museum*): Paseo del General Yagüe; f. 1906; neolithic iron age and Roman archæological collections, comprising 13,815 objects excavated at Numancia; Dir. Dr. Ricardo de Apraiz.

Tarragona

Museo Arqueológico Provincial (*Archæological Museum*): Plaza del Rey; f. 1834; archæological, historical, local Roman exhibits; Dir. Samuel Ventura Solsona; publ. *Boletín Arqueológico*.

Museo Paleocristiano: Carretera de Alcolea 34; f. 1930; objects discovered during excavation of the Roman-Christian necropolis; Dir. Samuel Ventura Solsona.

Toledo

Casa del Greco: Fundaciones Vega Indán (*El Greco's House*): the artist's house, furniture of the period, and a collection of the artist's paintings and those of his followers; 16th-century furniture; Curator María Elena Gomez-Moreno.

Museo del Greco: El Greco's paintings, including portraits of Christ and the Apostles and other paintings of the sixteenth and seventeenth centuries.

Museo Parroquial de San Vicente (*San Vicente Parish Museum*): f. 1929; Church vessels in precious metals, sculptures, paintings (El Greco), carpets; Dir. S. Hernández Pérez.

Sinagoga del Tránsito fundaciones Vega-Inclán: Iglesia del Tránsito; Jewish temple built in the 14th century by Samuel Ha-Levi, treasurer to King Don Pedro I, "The Cruel"; converted into Christian church 1494; national monument.

Valencia

Museo de Bellas Artes (*Museum of Fine Arts*): housed in the old Papal Palace, Calle de San Pio V 9; f. 1753; 3,000 wood engravings, some dating from the 15th and 16th centuries; a few paintings; Dir. Manuel González Marti.

Valladolid

Casa de Cervantes (*Cervantes' House*): furniture and possessions of the writer; Dir. Narciso Alonso Cortés; Dir. of the Library N. Sanz y Ruiz de La Peña.

Museo Arqueológico: Dir. M. del Socorro G. de Madrid.

Museo Nacional de Escultura Policromada: Cadenas de San Gregorio 1; f. 1933; housed in the old Colegio de San Gregorio, dating from end of 15th century; works by Gregorio Fermández, Alonso de Berruguete, Juan de Juni, and others; Dir. D. Federico Wattenberg; Sub-Dir. D. Esteban García Chico.

Vich, Barcelona

Museo Arqueológico Artístico Episcopal de Vich (*Archæological and Artistic Episcopal Museum*) f. 1891; medieval arts, provincial Romanesque, Gothic precious metalwork, textiles, embroideries, liturgical vestments, forged iron, etc.; Curator Dr. Eduardo Junyent.

Zamora

Museo Provincial de Bellas Artes: Calle de Sta. Clara 57; f. 1877; paintings, sculpture, models, etc.; pictures by Carducci, Madrazo, Padró, Melgosa, Ramón Zaragoza, Acosta, Esquivel, Miguel Flamenco, Mateo Milano, Nani, Van de Parc; sculptures by Berruguete, Benlliure, R. Alvarez, Quintin de Torre; photographs and plastic reproductions of historic and artistic monuments of the province; metalwork, ceramics, coins; archæological exhibits of the 6th-11th centuries; Dir. Victoriano Velasco Rodríguez.

Zaragoza

Museo Provincial de Bellas Artes: Plaza de José Antonio 6; f. 1880; archæological; prehistory, Roman, Arab; Gothic, Moorish, Romanesque and Renaissance exhibits; primitive arts and crafts, paintings from 14th to 19th centuries, contemporary Aragonese artists; Dir. Joaquín Albareda Piazuelo; Asst. Dir. Dr. Antonio Beltrán Martinez; Sec. Dr. Juan González Navarrete.

Las Palmas, Canary Islands

El Museo Canario: Dr. Chil 33; f. 1879; library of 34,000 vols.; especially on the Canary Islands; section of the Museum devoted to local archæology and anthropology; Curator Simón Benítez Padilla; Dir. Juan Bosch Millares; publ. *El Museo Canario* (quarterly).

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Colegio Mayor Hispanoamericano "Fray Junipero Serra": Paseo de San Juan Bosco 45, Barcelona; f. 1952; Dir. ISIDORE GARCÍA DIAZ.

Colegio Mayor "San Jorge": Maestro Nicolau 13, Barcelona; f. 1952; Dir. PABRO MARTÍN CABALLERO.

Colegio Mayor Universitario "Monterols": Corinto 3, Barcelona; f. 1951; Dir. RAFAEL SOLÍS GARCÍA.

Colegio Mayor Femenino "Santa Eulalia": Pasaje Mercader 11-13 y 15, Barcelona; f. 1950; Dir. PILAR RODRÍGUEZ GARCÍA.

Colegio Mayor Femenino "Mater Salvatoris": Ganduxer 59, Barcelona; f. 1946; Dir. MARÍA FÉLIX TORRES.

Colegio Mayor Femenino "Virgen Immaculada": Brusi 61, Barcelonia; Dir. CONCEPCIÓN RODRÍGUEZ RODRÍGUEZ.

Colegio Mayor Universitario "Nuestra Señora de Montserrat": Plaza de Pio XII (Ciudad Universitaria); Dir. CARMEN LÓPEZ DEL PECHO.

Colegio Mayor "Loyola": Dr. Amigant 31, Sarriá-Barcelona 17; Dir. R.P. Dr. PEDRO FERRER, S.J.

Colegio Mayor "Alfonso Sala": Colón, 2 Tarrasa; Dir. MIGUEL CAMARASA ALONSO.

Colegio Mayor Femenino "Lestonnac": Aragón, 284B; f. 1962.

Colegio Mayor de Medicina de la Sta. Cruz y San Pablo: Avda. José Ma Claret 167; f. 1962.

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DOMINGUEZ, P. DIONISIO (Catechism).
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GARCÍA NIETO, P. MANUEL (Pastoral Theology).
GONZALEZ QUEVEDO, JESUS (Dogmatic Theology).
GUTIÉRREZ, P. CONSTANCIO (Patristics, Christian Archæology Ecclesiastical History).
HERNÁNDEZ, P. EUSEBIO (Asceticism).
LOSADA, P. JOAQUIN (Fundamental Theology).
MARTIN PATINO, P. JOSÉ (Liturgy).
MARTÍNEZ BALIRACH, P. JESÚS (Moral Theology).
MARTINEZ, P. MARCELO, (Dogmatic Theology).
MARTINEZ SIERRA, P. ALEJANDRO (Dogma).
MORÁN, APOLINAR (Fundamental Theology)
PÁRAMO, P. SEVERIANO DEL (New Testament).
RODRÍGUEZ PRIETO, P. FRANCISCO (Liturgiology).
SACO, P. JOSE (Spiritual Theology).
SALAVERRI, P. JOAQUÍN (Fundamental Theology).
SANTOS, ANGEL (Oriental Theology).

Faculty of Canon Law:
BOZAL, P. JOSÉ (Canon Law).
CORRAL, P. CARLOS (Canon Law).
FERNÁNDEZ REGATILLO, P. EDUARDO (Canon Law).
GARCÍA, P. GUMERSINDO (Canon Law).
LODOS, P. FRANCISCO (Canon Law).
MARTÍNEZ, P. GONZALO (Civil Law).
RODRIGO, P. LUCIO (Canon Law).
URRUTIA, P. JOSÉ (Canon Law).
WAHNER, P. GODEHARDUS (History of Canon Law, International Law).

Faculty of Philosophy:
ALEJANDRO, P. JOSÉ MARIA (Logic and Critique).
DIEGO, P. TEOFANES DE (Theodicy).
GONZÁLEZ, P. IRENEO (Ethics, Sociology, Methodology).
MUÑOZ, P. JESÚS (Rational and Experimental Psychology).
PARDO, P. PABLO (Cosmology).
RIAZA, P. JESÚS MARÍA (Scientific problems connected with Philosophy).
SACO, P. JOSE (Ontology).
SOLA, P. JOSÉ (Texts of Aristotle and St. Thomas).
TEJERINA, ANGEL (Ontology).
VALVERDE, P. CAROLUS, (History of Philosophy).
ZULUETA, P. ADRIAN (Biology, Anthropology, Philosophy).

There are other Theological and Philosophical Faculties in Spain conferring degrees, which are partly associated with the Pontifical Universities, as follows:

Colegio de S. Francisco de Borja: San Cugat del Vallés, Barcelona; Jesuit College for the Province of Tarragona; f. 1863; Tel. 259.

Chancellor: M.R.P. JUAN B. JANSSENS, S.I.
Vice-Chancellor: R.P. PEDRO RIBAS, S.I.
Rector: R.P. ANTONIO QUERALT, S.J.
Registrar: P. HIGINIO MAJEM, S.I.
Librarian: P. JOSÉ MA. FONDEVILA, S.I.

Number of teachers: 36.
Number of students: 200.

Publications: *Pensamiento, Estudios Eclesiásticos, Manresa, Selecciones de Teología, Unitas (versión española), Studia Papyrologica, Selecciones de Libros, Bibliográfica de Teología y Filosopía.*

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DEANS:

Dean of Theology: P. ALFREDO MONDRÍA, S.I.
Dean of Philosophy: P. RAMÓN PUIGREFAGUT, S.I.

Colegio Máximo (*Jesuit College*): Apdo. 32, Granada; f. 1939.

Grand Chancellor: A.R.P. JUAN B. JANSSENS, S.J.
Vice-Grand Chancellor: R.P. JOSÉ A. DE SOBRINO, S.J.
Rector and Prefect of Studies: R.P. HECTOR DOMINGUEZ, S.J.
Board of Administration: R.P. RAFAEL CRIADO, S.J., R.P. RICARDO FRANCO, S.J., R.P. CANDIDO POZO, S.J.
Secretary: RICARDO FRANCO, S.J.
Librarian: R.P. AUGUSTO SEGOVIA, S.J.

Library: 81,428 vols.
Number of professors: 22.
Number of students: 241.

Publications: *Archivo Teológico Granadino, Anuario de Teológia Postridentina* (once yearly). *Biblioteca Teológica Granadina* (collection of text-books and theses), *Centro de Cultura Religiosa Superior* and *Boletín del Instituto de Pedagogia Religiosa, Proyección*; in collaboration with other Spanish Jesuit reviews: *Estudios Eclesidsticos, Manresa, Razón y Fe, Sacrae Teologiae Summa* (4 vols.).

PROFESSORS:

Faculty of Theology:

ARREDONDO, AGUSTIN (Socio-Economic Morals).
BARON, ENRIQUE (Fundamental Theology).
COLLANTES, JUSTO (Fundamental Theology).
CRIADO, RAFAEL (Scripture).
DUE, ANTONIO (Fundamental Theology, Hebrew).
FRANCO, RICARDO (Dogmatic Theology, Liturgy).
GONZALEZ, LUIS (Ascetics).
GUTIERREZ, PASTOR (Holy Scriptures).
HUELIN, JOSÉ M. (Dogmatic Theology).
LEAL, JUAN (Scripture).
MOORE, EDUARDO (Moral and Pastoral Theology).
OLIVARES, ESTANISLAO (Canon Law).
POZO, CANDIDO (Dogmatic Theology).
PRADOS, MARIANO (Dogmatic Theology).
RAMOS, MANUEL (Dogmatic Theology).
RODRIGUEZ MOLERO, FRANCISCO X. (Biblical Hebrew and Greek).
SEGOVIA, AUGUSTO (Dogmatic Theology, History of Dogma).
SOTOMAYOR, MANUEL DE (Ecclesiastical History, Patrology, Christian Archæology).

Studies of Philosophy:

COLLANTES, JUSTO (Pedagogy).
ESPADERO, JESÚS (Sacred Oratory).
GARCIA GUTIERREZ, JOSE IGNACIO (Ethics and Natural Law).
HUELIN, JOSÉ M. (Ontology).
PEREZ, ARGOS BALTASAR (Natural Theology).
PRADOS, MARIANO (Physics).

Colegio Máximo de San Francisco Javier: Oña, Burgos; f. 1880.

Rector: BASIL AGUIRRE.
Prefect of Studies: JESÚS SOLANO.
Secretary: JOSEPH ANTHONY OCHOA.
Librarian: DAVID PEREZ DELGADO.

Library: over 100,000 vols.
Teaching personnel: 19.
Number of students: 150.

Publications: *Razón y Fe* (monthly), *Pensamiento* (philosophical quarterly), *Estudios Eclesidsticos* (theological quarterly), *Manresa* (quarterly), *Estudios Onienses* (series of historical, theological and philosophical volumes).

Facultad Filosofica Complutense S.J. (*Complutensian Faculty of Philosophy*): Campo del Angel, Alcala de Henares; Tel. 380; f. 1894.

Chancellor: M.R.P. JUAN BAUTISTA JANSSENS, S.J.
Vice-Chancellor: P. JOSÉ ARROYO, S.J.
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Registrar: P. JOSÉ GÓMEZ CAFFARENA, S.J.
Librarian: P. LUIS MARTÍNEZ GÓMEZ, S.J.

Number of teachers: 10.
Number of students: 118.

PROFESSORS:

BELDA, FRANCISCO (Ethics).
GÓMEZ CAFFARENA, JOSÉ (Theology).
GÓMEZ NOGALES, SALVADOR (Ontology and Methodology).
HELLIN, JOSÉ (Special Subjects).
MARTINEZ GÓMEZ, LUIS (History of Philosophy).
ROLDÁN, ALEJANDRO (Experimental Psychology and Pedagogy).
SALCEDO, LEOVIGILDO (Logic and Criticism).
SANZ CRIADO, LUIS (Cosmology, Introductory Science and Philosophy).
TORNOS, ANDRÉS (Philosophical Anthropology).

UNIVERSIDAD DE GRANADA

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Founded 1526, established 1532, charter granted 1531

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Treasurer: Dr. JOSÉ M. STAMPA BRAUN.
Comptroller: Dr. J. MA. SUÑÉ ARBUSÁ.
Librarian: Dra. MARÍA PARDO LÓPEZ.

University Library: 73,170 vols., 35 incunabula, 14th-century MS. *Historia Natural de Alberto Magno;* Faculty libraries: 136,707 vols.

Number of teachers: 217.
Number of students: 5,314.

Publications include: *Boletín de la Universidad de Granada* (Editor Dr. ANTONIO GALLEGO MORELL, Director of Publications), *Archivo de Derecho Público, Miscelánea de Estudios Arabes y Hebraicos, Anales del Desarrollo, Colección Filológica, Anales de la Catedra Suarez.*

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BOSCH VILÁ, JACINTO (Islamic History and Law).

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CABANELAS, DARIO (Arabic).
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GIBERT, RAFAEL (History of Law).
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Director: Dr. SECO DE LUCENA Y PAREDES.

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Director: Dr. GUIRAO PÉREZ.

Instituto de Investigaciones Médicas, Sección de Farmacologia (*Pharmacological Section of the Institute of Medical Research*).
Director: Dr. MUÑOZ FERNANDEZ.

Instituto Lucas Mallada, Sección de Estratigrafia (*Stratigraphical Section of the Lucas Mallada Institute*).
Director: Dr. FONTBOTÉ.

Instituto Nacional de Parasitologia (*Institute of Parasitology*):
Director: Dr. GUEVARA POZO.

Estación Experimental del Zaidin (*Experimental Station*).
Director: Dr. HOYOS DE CASTRO.

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Secretary-General: EULOGIO ALONSO-VILLAVERDE Y MORIS.
Librarian: EMILIO GONZÁLEZ DÍAZ DE CELIS.

Library: 59,132 vols.
Number of professors: 18.
Number of students: 911.
Publications: *Revista de Historia, Biblioteca Filológica* (quarterly).

DEANS:

Faculty of Law: Dr. JOSÉ MA. HERNÁNDEZ RUBIO Y CISNEROS.
Faculty of Sciences: Dr. BENITO RODRIGUEZ RIOS.
Faculty of Letters: Dr. JESÚS HERNÁNDEZ PERERA.

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MADRID

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Secretary-General: ISIDORO MARTIN MARTINEZ.
Librarian: JAVIER LASSO DE LA VEGA.

Number of students: 25,000.

Library: second in importance in Madrid; 407,984 vols., 208,000 pamphlets; comprises the libraries of the different Faculties and Institutes.

Publications: *Revista de la Universidad de Madrid* (quarterly).

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Faculty of Philosophy and Letters: JOSÉ CAMÓN AZNAR.
Faculty of Science: ARMANDO DURÁN MIRANDA.
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Faculty of Medicine: BENIGNO LORENZO VALÁZQUEZ Y VILLANUEVA.
Faculty of Pharmacy: ANGEL SANTOS RUIZ.
Faculty of Political Science and Economics: EUGENIO PÉREZ BOTIJA.
Faculty of Veterinary Medicine: CARLOS LUIS DE CUENCA Y GONZÁLEZ OCAMPO.

PROFESSORS:

Faculty of Philosophy and Letters:
ALEMANY SELFA, BERNARDO (Latin Philology).
ALMAGRO BASCH, MARTÍN (Pre-history).
ALONSO FERNÁNDEZ DE LAS REDONDAS, DÁMASO (Romance Philology).
ANGULO IÑIGUEZ, DIEGO (History of Art).
BALBÍN LUCAS, RAFAEL DE (Literary Criticism and Grammar).
BALLESTEROS GAIBROIS, MANUEL (History of Pre-Hispanic America).
CALVO SERER, RAFAEL (History of Spanish Philosophy).
CAMÓN AZNAR, JOSÉ (History of Medieval Art).
CANTERA Y BURGOS, FRANCISCO (Hebrew Language and Literature).
CONTRERAS Y LÓPEZ DE AYALA, JUAN (History of Spanish-American Art).
ENTRAMBASAGUAS, Y. PEÑA, JOAQUÍN DE (History of Spanish Language and Literature).
FERNÁNDEZ-GALIANO Y FERNÁNDEZ, MANUEL (Greek Philology).
FERRANDIS TORRES, MANUEL (History of Civilisation).
FERRARI NÚÑEZ, ANGEL (History of the Middle Ages).
GALINO CARRILLO, MARIA DE LOS ANGELES (History of Pedagogy).
GARCÍA Y BELLIDO, ANTONIO (Archæology).
GARCÍA GÓMEZ, EMILIO (Arabic).
GARCÍA HOZ, VÍCTOR (Education).
GIL FAGOAGA, LUCIO (Experimental Psychology).
GONZÁLEZ ALVAREZ, ANGEL (Ontology, Natural Theology).
GONZALEZ Y GONZALEZ, JULIO (Spanish History).
LAPESA MELGAR, RAFAEL (Spanish Historical Grammar).
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MILLÁN PUELLES, ANTONIO (History of Philosophy and Philosophy of Education).
MONTERO DIAZ, SANTIAGO (Prehistory and Ancient History).
MORALES OLIVER, LUIS (Spanish Language and Spanish-American Literature).
MUNOZ ALONSO, ADOLFO (History of Philosophy).
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PABÓN Y SUÁREZ DE URBINA, JOSÉ MANUEL (Latin Philology).
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RODRIGUEZ ADRADOS, FRANCISCO (Greek Philology).
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SAUMELLS PANADÉS, ROBERTO (Cosmology).
STEIGER GOTIER, ARNALD (French Medieval Philosophy).
TERÀN ALVAREZ, MANUEL DE (Geography).
TERÉS SÁDABA, ELÍAS (History of Classical Arabic and Spanish-Arabic Literatures).
VIÑAS MEY, CARMELO (Spanish Ancient History).
YELA GRANIZO, MARIANO (Psychology).

Faculty of Science:
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ALVARADO BALLESTER, RAFAEL (Zoology).
ALVARADO FERNÁNDEZ, SALUSTIO (Animal Organography and Physiology).
AMOROS PORTOLÉS, JOSÉ LUIS (Crystallography).
ANCOCHEA QUEVEDO, GERMÁN (Descriptive Geometry).
BALTÁ ELÍAS, JOSÉ (Physics).
BERNIS MADRAZO, FRANCISCO (Zoology).
BOTELLA RADUAN, FRANCISCO (Analytical Geometry and Topography).
BRU VILASECA, LUIS (Physics).
BURRIEL MARTÍ, FERNANDO (Analytical Chemistry).
BUSTINZA LACHIONDO, FLORENCIO (Plant Anatomy and Physiology.
CARRATO E IBAÑEZ, ALFREDO (Histology).
CRESPI Y JAUME, MIGUEL (Kinetic Chemistry).
DOMÍNGUEZ RUIZ AGUIRRE, RAFAEL (Mathematics, Physics).
DOU MAX DE XEXAS, ALBERTO (History of Mathematics).
DURÁN MIRANDA, ARMANDO (Optics).
FOZ GAZULLA, OCTAVIO (Physical Chemistry and Electro-Chemistry).
FUSTER CASAS, JOSE M. (Petrology).
GARCÍA SANTESMASES, JOSÉ (Industrial Physics).
GÓMEZ-MENOR ORTEGA, JUAN (Zoology).
GUTIERREZ JODRA, LUIS (Physical Chemistry of Industrial Processes).
GUTIERREZ RIOS, ENRIQUE (Inorganic Chemistry).
HERNANDEZ-PACHECO DE LA CUESTA, FRANCISCO (Physical Geography and Applied Geology).
LLOPIS LLADO, D. NOEL (Stratigraphy, Historical Geology).
LORA TAMAYO, MANUEL (Organic Chemistry).
LOZANO CALVO, LUIS (Geophysics).
MELÉNDEZ MELÉNDEZ, BERMUDO (Palæontology and Historical Geology).
MORÁN SAMANIEGO, FRANCISCO (Physics).
NAVARRO BORRÁS, FRANCISCO DE ASÍS (Rational Mechanics).
PÉREZ DE BARRADAS Y ALVAREZ DE EULATE, JOSÉ (Anthropology).
RIOS GARCÍA, SIXTO (Statistics).
RODRÍGUEZ BACHILLER, TOMÁS (Mathematical Analysis).
SAN JUAN LLOSÁ, RICARDO (Mathematical Analysis).
SÁNCHEZ DEL RIO Y SIERRA (Atomic and Nuclear Physics).
TERRAZA MARTORELL, JOSÉ (Metallurgy).
TORROJA MENÉNDEZ, JOSÉ MARÍA (Astronomy and Geodesy).
VELAYOS HERMIDA, SALVADOR (Physics).
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Faculty of Law:
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BAYÓN CHALÓN, GASPAR (Labour Law).
CASTIELLA MAÍZ, FERNANDO (History of International Law).
CASTRO BRAVO, FEDERICO DE (Civil Law).
CONDE GARCÍA, FRANCISCO JAVIER (Political Law).
GARCÍA GALLO, ALFONSO (History of Spanish Law).
GARCÍA-VALDECASAS Y GARCÍA-VALDECASAS, ALFONSO (Civil Law).
GARRIGUES Y DÍAZ CAÑABATE, JOAQUÍN (Mercantile Law).
GUASP DELGADO, JAIME (Law of Procedure).
HERNÁNDEZ GIL, ANTONIO (Civil Law).
HERNANDEZ-TEJERO, JORGE FRANCISCO (Roman Law).
IGLESIAS SANTOS, JUAN (Roman Law).
LÓPEZ RODÓ, LAUREANO (Administrative Law).
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SÁNCHEZ AGESTA, LUIS (Political Law).
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TROBO HERMOSA, PEDRO (Prosthetic Stomatology).
VARA LÓPEZ, RAFAEL (Surgical Pathology).
ZABALA RUBIO, GERARDO (Odontology).

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LUCAS GALLEGO, JOSÉ (Applied Animal Physiology).
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Escuela Técnica Superior de Ingenieros de Montes: f. 1848. Dir. PIO GARCÍA ESCUDERO; 37 teachers, 248 students.

Escuela Especial de Ingenieros Navales.

Escuela Especial de Ingenieros Aeronáuticos.

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Founded 1915.

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Librarian: Prof. ANDRÉS SOBEJANO.

Library: f. 1916; general library 25,400 vols.; specialised libraries: 21,655 vols.
Number of teachers: 21.
Number of students: 1,500.
Publications: *Anales de la Universidad de Murcia* (four issues a year).

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UNIVERSIDAD ECLESIÁSTICA DE SALAMANCA

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In 1134 the Maestrescuela or Head of the Ecclesiastical School of Salamanca Cathedral, Bishop Berengario, conducted studies in the Cathedral Cloisters, which became the Estudio General of Salamanca when the educational plan of Alfonso IX took shape between 1218 and 1226. The foundation was confirmed by Alfonso's son, Fernando III el Santo, in 1243, and later by Papal Bulls. The School was named a University by Alfonso X el Sabio in the beginning of his reign, and was granted funds. It was reorganised in 1416 by Pope Benedict XIII. The University had ceased to function by the end of the 18th century, but was restored to its former activities in 1940 by Pope Pius XII.

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General Secretary: Rev. R.P. Rafael L. de Munain, O.F.M.
Director of Library: R.P. Luis Arnaldich, O.F.M.

The Library contains 58,000 volumes and numerous MSS.
Publications: *Salmanticensis, Helmantica, Incunable*; many religious works.

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Alonso, Sabino (Roman Law Institutions).
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Marcos, Florencio (Palæography and Archives).
Miguélez, Lorenzo (Special Course).
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Faculty of Philosophy:

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García, Juan (Latin Language and Literature).
Hermosílla, Juan, O.P. (Fundamental Theology).
Jaenisch, Julio (German).
López de Munain, Rafael, O.F.M. (Fundamental Critique).
López Oreja, Juan (Greek Language and Literature).
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Riesco Terrero, José (Ontology).
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Vice-Rector: Dr. FELIPE LUCENA CONDE.
Secretary: Dr. LUIS SÁNCHEZ GRANJEL.
Librarian: Dr. CÉSAR REAL DE LA RIVA.

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Number of teachers: 146, including 48 professors.
Number of students: 3,109 men, 487 women.

Publications: *Acta Salmanticensia*, 4 series (Letters, Law, Sciences, Medicine); *Theses et Studia Philologica Salmanticensia* (Classical Philology); *Tesis y Estudios Salmantinos* (Romance Philology and Literature), *Discursos Académicos, Cuadernos de la Cátedra Miguel de Unamuno* (Faculty of Philosophy and Letters), *Zephyrus* (Archæology), *Boletín del Seminario de Derecho Político, Cuadernos de Historia de la Medicina Española* (Faculty of Medicine).

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Faculty of Science: Dr. JOAQUÍN DE PASCUAL TERESA.
Faculty of Medicine: Dr. FERNANDO CUADRADO CABEZÓN.

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CARRETER, FERNANDO LÁZARO (Spanish Grammar and Literature).
CRUZ HERNÁNDEZ, MIGUEL (Philosophy).
DÍAZ, MANUEL (Latin Philology).
ESPINOSA, RICARDO (Greek Philology).
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LAINEZ ALCALÁ, RAFAEL (History of Art).
REAL, CÉSAR (History of Spanish Language and Literature).
SÁNCHEZ RUIPÉREZ, MARTÍN (Greek Philology).
TOVAR, ANTONIO (Latin Philology).
ZAMORA, ALONSO (Romance Philology).
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TIERNO GALVÁN, ENRIQUE (Politics).

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PASCUAL TERESA, JOAQUÍN DE (Organic Chemistry).

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CUADRADO, FERNANDO (Surgery).
FARRERAS, PEDRO (Clinical Pathology and Medicine).
GANDARIAS, MANUEL (Physiology).
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GRANJEL, LUÍS (History of Medicine).
MORAZA, MIGUEL (Surgery).
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Colegio Mayor Universitario Hispanoamericano Hernán Cortés: f. 1950.
Rector: JOSÉ GONZÁLEZ IBEAS.

Colegio Mayor Universitario Fray Luis de León: f. 1954.
Rector: MIGUEL CRUZ HERNÁNDEZ.

Colegio Mayor Universitario San Miguel Arcángel:
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Colegio Trilingüe: Salamanca Section of the Consejo Superior de Investigaciones Científicas.
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General Library: 100,000 vols., over 100 incunabula, prayer book of Fernando I of Castile (11th century); other special libraries in the faculties; Librarian SALVADOR PARGA Y PONDAL.

Number of students 3,200.

Director, Publications Section: Dr. PABLO LUCAS VERDU.
Publications: *Boletín, Archivos de Anatomía, Publicaciones de la Cátedra "Vázquez de Mella", Anales, Memoria, Publicaciones del Jardín Botánico,* catalogues.

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SAN SEBASTIAN

Founded 1956

Director-General: R.P. Ignacio Errandonea Goicoechea, B.LITT. (Oxon.).
Principal: R.P. Jose Ostolaza, S.I.
Secretary-General: R.P. José Antonio Berra, S.I.

Centro de Estudios Superiores de Ciencias: f. 1940.
Dean: Dr. Carlos Santamaria Ansa.

Centro de Estudios Superiores de Derecho: f. 1939.
Dean: R.P. José Antonio Ezcurdia, S.I.

Escuela Superior de Tecnica Empresaria (E.S.T.E.) (*School of Business Administration*): f. 1956; 6-year courses in business administration, including psychology and sociology, productivity studies, accounting, economics, business law, operational research and modern languages.
Dean: R.P. Santos Elespe, S.J., M.BUS.ADMIN.
Number of teachers: 72.
Number of students: 469.

UNIVERSIDAD INDUSTRIAL
(Technological University)

URGEL, 187, BARCELONA

Affiliated Schools:

Barcelona

Escuela Especial de Ingenieros Industriales: f. 1950.
Director: Damián Aragonés Puig.
Secretary: Luis Santacana Faralt.
Librarian: Santiago Escofet Giralt.
Library: 17,576 vols.
Number of students: 3,000.

Escuela Técnica de Peritos Industriales: f. 1904.
Director: Benjamín Tremosa Nou.
Secretary: Pablo Alegre Pí.
Librarian: Olga Kirchner Catalán.
Library: 5,200 vols.
Teaching Staff: 80.
Number of students: 2,476.

Escuela de Trabajo.
Director: Benjamin Fremosa Nou.
Secretary: Ramón Oliveras Ferrer.
Librarian: Magdalena Bonamich Font.
Library: 17,700 vols.
Number of students: 5,715.

Escuela Técnica de Peritos Agricolas y de Especialidades Agropecurias: f. 1912.
Director: José Cases Queralt.
Secretary: Ramón Rierola Isern.
Librarian: Ana María Gay Pons.
Library: 20,379 vols.
Teaching Staff: 25.
Number of students: 308.
Publication: *Anales.*

Instituto de Investigaciones Técnicas.
Director: Antonio Cumella Pau.
Sub-Director: León Bergadá Girona.

Laboratorio General de Ensayos y Análisis.
Director: Antonio Cumella Pau.

There are also three private foundations of University status. Students attending them sit at the Public University if they wish to take a degree.

Deusto: directed by the Jesuits; attached to the University of Valladolid.

El Escorial: directed by the Augustin Fathers; attached to the University of Madrid.

Sacromonte: directed by a "Patronato"; attached to the University of Granada.

COLLEGES

Technology

Escuela Especial de Ingenieros de Caminos, Canales y Puertos (*School of Road, Canal and Port Engineers*): Calle de Alfonso XII, Madrid, 3; attached to the Ministry of Public Works; Pres. of the Governing Body The Minister of Public Works; Dir. of the School Luis Martín de Vidales y Orueta; Sec.-Gen. Joaquín Serrano Tormo; library of 47,644 vols.; publ. *Anuario, Revista de Obras Publicas.*

Escuela Técnica Superior de Ingenieros de Telecomunicación (*School of Telecommunication Engineers*): Calle Conde Penalver, 17 & 6, Madrid.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): Urgel 187, Barcelona; Dir. Damian Aragones Puig.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): Prolongación de Alda. Urquijo, Bilbao.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): P° de la Castellana, 86 Fernando Rodríguez Avial, Madrid.
Director: Manuel Soto Redondo.
Secretary: Luis Ruiz-Castillo Basala.
Library of 9,618 vols.

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Escuela Técnica Superior de Ingenieros Industriales: Sección Textil, Tarrasa: Barcelona; f. 1904.

Director: J. CEGARRA.
Vice-Director: C. MAS.
Secretary: F. LÓPEZ-AMO.

Escuela Técnica Superior de Ingenieros de Minas (*School of Mining Engineers*): Rios Rosas 7, Madrid; f. 1777 in Almadén; number of teachers 45; number of students 444; library of 40,000 vols.; Dir. of School PEDRO ARSUAGA DABÁN; Sec. JOSÉ ANTONIO BRIS; Librarian JUAN ANTONIO COMBA.

Instituto Católico de Artes e Industrias (I.C.A.I.) (*Catholic Arts and Industries Institute*): Alberto Aguilera, 23, Madrid 15; f. 1908; sup. school for Mechanical and Electrical Engineering; number of students 325; Dir. of Studies FELIX S. BLANCO, S.J.

MILITARY SCIENCE

Escuela de Estado Mayor (*Military Staff School*): Santa Cruz de Marcenado 9, Madrid; f. 1842; number of lecturers 52; number of students 189; library of 117,866 vols.; Dir. Brig.-Gen. ABEL GONZÁLEZ DE MENDOZA Y DORVIER; Librarian Major CARLOS ALVÁREZ ZALBA.

SOCIAL STUDIES

Escuela de Estudios Hispánicos Contemporáneos (*School of Contemporary Hispanic Studies*): Avenida de los Reyes Católicos, Ciudad Universitaria, Madrid; attached to the Instituto de Cultura Hispánica (*see* page 1914); f. 1951; courses on "Contemporary Man" under various aspects (literature, art, economics, medicine, politics, philosophy, etc.), with special relation to the study of Spain and the Hispanic countries); Dir. JOSÉ Ma. SOUVIRÓN.

Escuela Social de Madrid (*School of Social Studies*): Amador de los Ríos 7, Madrid; f. 1925; Dir. FRANCISCO AGUILAR Y PAZ; Sec. GABRIEL GÓMEZ GARCIA. Similar schools are located in Barcelona (Amadeo Vives 3), Valencia, Granada, Salamanca, Oviedo, Zaragoza and Santiago, the six last named being attached to the universities of those towns.

SCHOOLS OF ART, ARCHITECTURE AND MUSIC

Madrid

Escuela de Arte Dramático (*School of Dramatic Art*): Calle del Pez 38; Dir. FERNANDO FERNÁNDEZ DE CÓRDOBA.

Escuela Nacional de Bellas Artes de San Fernando (*Madrid School of Fine Arts*).

Escuela Nacional de Artes Gráficas (*Madrid School of Graphic Arts*): Calle de la Libertad 15; f. 1911.
Number of teachers: 16.
Number of students: 325.
Publ. *Bolétin*.

Escuela Superior de Arquitectura de Madrid (*Madrid School of Architecture*): Ciudad Universitaria; f. 1845; teaching personnel 40; students 900; Dir. Prof. PASCUAL BRAVO; Deputy Dir. RAFAEL FERNANDEZ-HUIDOBRO PINEDA; Sec. ANTONIO CAMUÑAS PARADES.

Real Conservatorio de Música de Madrid (*Royal Academy of Music*): San Bernardo 44; f. 1832; 2,712 registered students and 3,029 free students; Dir. JOSÉ MARÍA FRANCO Y DE BORDONS; publ. *Anuario*.

Barcelona

Escuela Superior de Bellas Artes de San Jorge (*Barcelona School of Fine Arts*).

Escuela Técnica Superior de Arquitectura de Barcelona (*School of Architecture*): Avda. Generalisimo Franco s/n., Zona Universitaria; f. 1874; library, 5,000 vols.; Dir. ROBERTO TERRADAS VÍA; Sec. LEOPOLDO GIL NEBOT; Librarian SANTIAGO DE VILLALONGA GUSTÁ; 28 mems.

Conservatorio Superior de Música de Barcelona: incorporates the Conservatorio Superior Municipal de Música (formerly the Escuela Municipal de Música) and the Conservatorio de Música del Liceo (formerly Conservatorio del Liceo Isabel II).

Cadiz

Conservatorio de Música (*Academy of Music*).

Córdoba

Conservatorio Profesional de Música y Escuela de Arte Dramático (*Academy of Music and School of Dramatic Art*): Angel de Saavedra 2; f. 1862; 507 students; Dir. JOAQUÍN REYES CABRERA.

Málaga

Conservatorio Profesional de Música y Escuela de Arte Dramático: number of students (1962-63): 450; Dir. JOSÉ ANDREU NAVARRO.

Murcia

Conservatorio Profesional de Música y Escuela de Arte Dramatico: Plaza Romea; f. 1916; 400 students; Dir. MANUEL MASSOTTI LITTEL.

San Sebastián

Conservatorio Profesional Municipal de Música.

Seville

Conservatorio Profesional de Música y Declamación: Dir. NORBERTO ALMANDOZ.

Escuela Superior de Bellas Artes de Santa Isabel de Hungria de Sevilla (*Seville School of Fine Arts*): Gonzalo Bilbao 7-9; f. 1940; 106 students; Dir. JOSÉ HERNÁNDEZ DÍAZ; Vice-Dir. ANTONIO SANCHO CORBACHO; private specialised library.

Valencia

Escuela Superior de Bellas Artes de San Carlos (*Valencia School of Fine Arts*): Calle del Museo 2; f. 1756; library 1,802 vols.; teaching personnel, 26; students, 182; Dir. FELIPE MARIA GARIN ORTIZ DE TARANCO; Sec. ENRIQUE GINER CANET.

Conservatorio de Música.

Conservatorio de Música: Dir. MANUEL PALAU; Sec. DANIEL DE NUEDA.

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THE SUDAN

Population 12,109,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: Central Office, New Aboul Ela Building, Khartoum (P.O. Box 1253, Khartoum); cultural activities, library and reading-room; provincial centre at Wad Medani; reading-rooms at Atbara and El Obeid; Rep. Dr. N. A. DANIEL.

Centre Cultural Français: Khartoum; Dir. B. G. MARCHAND.

Goethe Institut: Murada-Omdurman, P.O.B. 11; Dir. Dr. WOLFGANG VOLLMER.

Ministry of Animal Resources, Department of Animal Production, Research Division: P.O. Box 293, Khartoum, Sudan.

Assistant Director of Research: Dr. AMIN ABDULLA EL KARIB, DIP.VET.SC.

Senior Veterinary Research Officers: Dr. GAAFAR KARRAR, B.V.SC., D.T.V.M., Dr. ABDUL QUDDUS KHAN, B.V.SC., DIP.BACT.

Veterinary Research Officers: Dr. AMIN MAHMOUD EISA, B.V.SC., M.S., Dr. MOHAMED TAWFIK-FAWI ABDU, DIP.VET.SC., M.SC.

Assistant Veterinary Research Officer: Dr. AHMED ALI MUSTAFA, DIP.VET.SC.

Veterinary Officers: Dr. EL AMIN EL MUBARAK DALIL, B.V.SC., Dr. HAMID MAHMOUD ABDULLA, B.V.SC., Dr. OMER FADL IDRIS, B.V.SC.

Entomologist: SAYED ALI IBRAHIM YAGI, B.SC., M.SC.

Philosophical Society: Khartoum; covers many subjects, including archæology, ethnology, and natural history; publ. *Sudan Notes and Records.*

Research Division, Ministry of Agriculture: Wad Medani; includes the following sections: Agronomy and Plant Physiology; Botany and Plant Pathology; Entomology (pest control, etc.); Cotton Breeding; Soil Science; Plant Propagation; also directs the **Central Rainlands Research Station** (f. 1952) at Tozi, Wad el Nail, Singa District, and the **Southern Provinces Research Station** (f. 1947) at Yambio, Equatoria Province.

Chief, Research Division: A. D. HANNA, B.SC., A.R.C.S., PH.D.

Library (*see* below).

Stack Medical Research Laboratories: Khartoum; f. 1935;

Director: MANSOUR ALI HASEEB, D.K.S.M., DIP.BACT.
Bacteriologist: (Vacant).
Government Analyst: D. N. GRINDLEY, F.R.I.C.
Pathologist: (Vacant).
Chemist: E. H. W. J. BURDEN.
Medical Entomologist: D. J. LEWIS, M.A.
Biologist: S. B. MARKOWSKI.

Library (*see* below).

U.S. Information Center: Sharia Mek Nimer, Khartoum.

LIBRARIES

Bakht er Ruda Institute of Education Library: Khartoum; central library, postal library for teachers.

Flinders Petrie Library: P.O. Box 178, Khartoum; f. 1946. number of volumes 4,746.

Geological Survey Library: P.O. Box 410, Khartoum; f. 1904; 2,000 volumes; publs. *Annual Report, Bulletin.*

Library of the University of Khartoum: Khartoum; contains 78,000 volumes and receives 1,550 periodicals and journals; includes a special Sudan and African collection; acts as a depository library for U.N., F.A.O., I.L.O., W.H.O. and U.N.E.S.C.O. publications; both are under the general charge of the University Librarian (Vacant).

Omdurman Public Library: Omdurman; f. 1951; 17,650 vols.

Research Division Library: Ministry of Agriculture, Wad Medani; f. 1931; approx. 6,500 vols., 13,710 pamphlets, 250 current journals; Librarian K. K. KHALIFA.

Stack Medical Research Laboratories Library: Khartoum; f. 1904 (as part of Wellcome Tropical Research Laboratories); 7,000 pamphlets, 6,000 vols.

Wellcome Chemical Laboratories Library: Khartoum; f. 1904; Librarian, Government Analyst; 1,300 pamphlets, 1,080 vols.

MUSEUMS

Halfa Museum: Wadi Halfa; antiquities (ethnological).

Khalifa's House Museum: Omdurman; historical relics of the Mahdi; Curator SADIK NUR, F.R.I.A., A.M.A.

Merowe Museum: Merowe, Northern Province; antiquities and general.

Sudan Natural History Museum: University of Khartoum, P.O. Box 321, Khartoum; f. 1920; transferred from the Ministry of Education to the University of Khartoum, and reorganised 1956; Keeper Prof. J. L. CLOUDSLEY-THOMPSON, M.A., PH.D., D.SC., F.L.S.; Curator AHMED MOHAMMED EL SAYED.

Sudan Museum: P.O. Box 178, Khartoum; f. 1905; Departments of Antiquities and Ethnology; Dir. Sayed THABIT HASSAN; Commissioner for Archæology; Curator Sayed SADIK NUR; publs. *Report on the Antiquities Service and Museums, Kush* (annually), occasional papers, museum pamphlets, etc.

UNIVERSITIES

THE UNIVERSITY OF KHARTOUM

P.O.B. 321, KHARTOUM

Telephone: 72271

The University of Khartoum came into being on July 24th, 1956, having developed immediately from the University College of Khartoum which had, in turn, been established in 1951 by the fusion of the Gordon Memorial

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College (f. 1903), and the Kitchener School of Medicine (f. 1924). The University grants its own degrees in all Faculties. The language of instruction is English except in the departments of Arabic and Sharia Law.

Chancellor: Sayed Farik Ibrahim Abboud.

Vice-Chancellor: Prof. El Nazeer Dafalla, dip.vet.sc., dip.bact.

Chairman of the Council: Sayed Mohamed Ibrahim El Nur.

Registrar: Ahmed El Mardi Gobara, b.a., b.sc.

Administrative Secretary: Ahmed El Sayed Osman, m.a.

Academic Secretary: Mohamed Omer Beshir, b.sc. (Econ.)

Librarian: Abdel Rahman El Nasri, m.a., dip.lib.

Number of teachers: 202.
Number of students: 1,800 approx.

Deans:

Agriculture: Dr. Mohammed Abdalla Nour, b.sc., ph.d.

Arts: Prof. Abdalla El Tayeb.

Economic and Social Studies: Dr. Omer Mohamed Osman, b.com., m.a., ph.d.

Engineering: Prof. B. O. Kuzmanovic, dip.eng., dr.sci.tech.

Law: E. Tenenbaum, m.a., b.c.l.

Medicine: Prof. H. Butler, m.a., m.d.

Science: Dr. Mustafa Hassan Ishag, b.sc., ph.d.

Veterinary Science: A. A. El Karib, dipl.vet.sc.

Professors:

Abdalla El Tayeb, ph.d. (Arabic).
Adam, K. R., b.sc., ph.d. (Biochemistry).
Butler, H., m.a., m.d., b.chir. (Anatomy).
Cloudsley-Thompson, J. L., m.a., ph.d., d.sc., f.l.s. (Zoology).
D'arcy, P. F., b.phar., ph.d. (Pharmacy).
De La Chard, F., b.sc., m.sc. (History).
Drover, D. P., b.sc., ph.d. (Agricultural Chemistry and Pedology).
Dunbar, J. M., b.sc., m.b., ch.b., m.d. (Bacteriology).
Hudson, J. P., b.sc., m.sc., ph.d. (Horticulture).
Kuzmanovic, B. O., dip.eng., dr.sci.tech. (Civil Engineering).
Lumsden, J. F. W., m.b., ch.b. (Obstetrics and Gynæcology).
Lynch, J. B., m.d., ch.b., f.r.c.s. (Pathology).
Macleay, K. N. G., b.sc., ph.d., f.l.s. (Botany).
Mekki, El Tayib Sheibeika, ph.d. (History).
Morgan, H. V., m.a., b.m., b.chir., f.r.c.p. (Medicine).
Murray, W. A., m.a. (English).
Nicholls, M. F., c.b.e., m.chir., f.r.c.s. (Surgery).
O'Brien, P. A., b.sc., m.sc., ph.d. (Physics).
Oliver, J., b.a., f.r.met.sc., f.r.g.s. (Geography).
Potter, J. A., b.a., f.r.i.b.a. (Architecture).
Radojococ, M., dr.sci. (Mathematics).
Sanderson, G. N., m.a., ph.d. (History).
Timmer, W. J., m.sc., ph.d. (Agricultural Organisation).
Torenbohm, H., f.k., f.m., f.l., f.d. (Philosophy).
Whiteman, A. J., b.sc., ph.d. (Geology).

Visiting Professors:

Bosworth, T. J., m.a., b.sc., m.r.c.v.s., d.v.s.m. (Veterinary Science).
Klontz, H. E., b.a., ph.d. (Economics and Commerce).
Lamb, G. G., b.sc.(eng.), m.s.(eng.), ph.d. (Engineering).
Sahyoun, Philip F., m.d. (Medicine).
Turner, H. A. (Political Science).
Williams, F. A., m.a., ph.d. (Rural Economy).

Attached Institutes:

Arid Zone Research Unit: f. 1961; scientific investigations into problems of the fauna, flora and geology of the arid regions of the Sudan; Sec. Prof. A. J. Whiteman.

Hydrobiological Research Unit: f. 1951; scientific investigations into the problems of the hydrobiology of the Nile, with special reference to inland fisheries; financed by the Government; Sec. L. Berry.

University Farm: Shambat; experimental agriculture; Dir. Dr. M. S. Bayoumi.

CAIRO UNIVERSITY—KHARTOUM BRANCH

KHARTOUM

Founded October 1955, as a branch of Cairo University.
No. of students: 1,138.
Faculties of Arts, Law and Commerce.

COLLEGES AND INSTITUTES

KHARTOUM TECHNICAL INSTITUTE

Founded 1950

Principal: Sir El Khatim El Khalifa.
Vice-Principal (Technical): Kamal El Jack.
Vice-Principal (Administration): Farah Mohd Farah.
Chief Inspector of Technical Intermediate Schools: Abdalla Rabih.
Registrar: Hassan Meccawi.
Administration Assistant: (Vacant).

Heads of Schools and Departments:

Secondary Technical School: M. A. El Maghrabi.
School of Engineering: J. G. Thorn, a.m.i.mech.e.
School of Building: Yousif Ibrahim Andrawis, b.sc.
School of Fine and Applied Arts: Bastawi Baghdadi, n.d.d.
School of Commerce: Mohd Abu Bakr.
Department of English and Extra-Curricular Studies: J. R. B. Vanstone.
Department of Mathematics and Science: Ahmed Salim Saidan.
Department of Further Education: Wadie Shihata.

Number of students:
Post Secondary Education: 1,097 (full-time).
Further Education: 2,264 (part-time).
Technical Intermediate and Post Intermediate: 2,025 (full-time).

Number of lecturers: 100 (approx.).

Courses are offered to the level of Higher National Certificate and K.T.I. Advanced Diploma.

HIGHER TEACHERS' TRAINING INSTITUTE

Founded 1961

A site near Kerreri has been allocated.
No. of students: 51 men, 9 women; total 60.

Four-year courses in Arabic, Arabic Literature and Islamic Studies; English Language and Literature; History; Geography; Chemistry; Physics; Biology and Mathematics.

SHAMBAT AGRICULTURAL INSTITUTE

SHAMBAT

No. of teachers: 13.
No. of students: 60.

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SWEDEN

Population 7,542,459

PRIZE FOUNDATIONS

THE NOBEL PRIZE FOUNDATION

Nobelstiftelsen (*The Nobel Foundation*): was established in pursuance of the provisions of the will of Alfred Nobel (1833-96), by which the whole of his fortune (more than 30 million Kronor) was bequeathed to a fund, the interest of which should be annually paid out to those who during the preceding year "have conferred the greatest benefit on mankind." The interest is divided into five equal parts, to be allotted as follows: "One part to the person who shall have made the most important discovery or invention in the domain of *physics*; one part to the person who shall have made the most important *chemical* discovery or improvement; one part to the person who shall have made the most important discovery in the domain of *physiology* or *medicine*; one part to the person who shall have produced in the field of *literature* the most distinguished work of an idealistic tendency; and one part to the person who shall have done most to promote the *fraternity of nations*, the abolition or diminution of standing armies, and the formation and propagation of a Peace Congress."

The funds and other moneys of the Foundation are administered by a Board: A. W. K. TISELIUS (Pres.), N. K. STÅHLE (Exec. Dir.), E. G. RUDBERG, J. WALLENBERG, S. A. FRIBERG; Deputies G. SÖDERLUND (for Pres.), A. ÖSTERLING, B. LINDBLAD (Sturegatan 14, Stockholm).

Prizes are distributed annually (for the first time in 1901) on the festival day of the Foundation, i.e. Dec. 10th, and are awarded by the following:

Physics: The Royal Swedish Academy of Sciences.
Chemistry: The Royal Swedish Academy of Sciences.
Medicine: The Royal Caroline Medico-Chirurgical Institute.
Literature: The Swedish Academy.
Peace: Nobel Committee of the Norwegian Parliament.

(For Prizewinners, *see* European Prize Foundation chapter.)

Publs. *Les Prix Nobel* (annual), *Nobelstiftelsens Kalender* (biennial), *Code of Statutes, Alfred Nobel och Hans Släkt* (English Edition: *Life of Alfred Nobel* (1929)), *Nobel: the Man and His Prizes* (1950, n.ed. 1962), *Alfred Nobel: The Man and His Work* (1962).

THE HAMMARSKJÖLD FOUNDATION

Dag Hammarskjöld Foundation: Stockholm; f. 1963; set up to finance training of national leaders and technicians in underdeveloped countries; administered by an international Board of Directors.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Svenska Akademien (*Swedish Academy*): Börshuset, Stockholm; f. by Gustavus III in 1786 on the model of the French Academy; the Academy annually awards the Nobel Prize in Literature; Pres. changed every six months; there are eighteen members; publs. *Svenska Akademiens Handlingar* (annually) and a dictionary of the Swedish language.

Permanent Secretary: Dr. ANDERS ÖSTERLING.

MEMBERS:

EKEBERG, BIRGER.	WESSÉN, ELIAS.
ANDERSSON, INGVAR.	LAGERKVIST, PÄR.
NYBERG, HENRIK.	JOHNSON, EYVIND.
SIWERTZ, SIGFRID.	EKELÖF, GUNNAR.
OLSSON, HENRY.	MARTINSON, HARRY.
HEDBERG, OLLE.	JOHANNISSON, GUSTAF.
BERGMAN, BO.	GIEROW, KARL.
ÖSTERLING, ANDERS.	LINDEGREN, ERIK.
JOSEPHSON, RAGNAR.	LÖNNROTH, ERIK.

Secretary of the Nobel Committee: Dr. UNO WILLERS.

Kungl. Vitterhets-Historie-och Antikvitets-Akademien (*Royal Academy of Letters, History and Antiquities*): Storgatan 41, Stockholm; f. 1753 to promote the study of the humanities, history and archæology; approx. 90 Swedish, 50 foreign mems.; Pres. Prof. B. KARLGREN; Sec. and Dir.-Gen. of the Central Office and of the Museum of National Antiquities (Riksantikvarie) G. SELLING; publs. *Fornvännen* (journal), *Handlingar* (memoirs), *Arkiv* (archives), *Årsbok* (yearbook), monographs and catalogues of Museum of National Antiquities; library and archives, *see* page 980.

Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälle (*Royal Society of Arts and Sciences*): Universitetsbiblioteket, Göteborg; f. 1778; Sec. Dr. J. V. JOHANSSON; publ. *Göteborgs K. Vetenskaps- och Vitterhets-Samhälles Handlingar*; 125 Swedish and 67 foreign mems.

AGRICULTURE

Kungl. Skogs- och Lantbruksakademien (*Royal Swedish Academy of Agriculture and Forestry*): Hovslagargatan 2, Stockholm C.; f. 1811 to apply science to the development and improvement of agriculture and forestry; Pres. Bo HAMMARSKJÖLD; Sec. Prof. KÅRE FRÖIER; 15 hon., 165 working mems.; 75 foreign mems.; 62,000 vols. in library; publs. *Kungl. Skogs-och Lantbruksakademiens Tidskrift* (6 numbers yearly), *Acta Agriculturae Scandinavica*.

ARCHITECTURE

Svenska Arkitekters Riksförbund (*National Assen. of Swedish Architects*): Odengatan 3, Stockholm; f. 1936; objects are "to promote the art of building and to watch over the general interests of architects"; 1,500 mems.; Chair. ANDERS TENGBOM; Sec. RAGNAR UPPMAN; Sec.-Gen. Bo FRITZELL; publs. *Arkitekten* (fortnightly), *SAR:s Tävlingsblad* (six times yearly).

Svenska Arkitektföreningen (*Swedish Architects' Society*): Brunkebergstorg 20, Stockholm; f. 1888; 383 mems.; Chair. GÖRAN SIDENBLADH; Sec. BERNT SAHLIN; publs. *Byggmästaren, Arkitektur* (both monthly).

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Art

Kungl. Akademien för de fria Konsterna (*Royal Academy of Fine Arts*): Fredsgatan 12, Stockholm; f. 1735 to promote the development of painting, sculpture, architecture and allied arts; the Academy superintends the Kungl. Konsthögskolan; 66 mems., 12 hon. mems.; Pres. P. Hedqvist; Vice-Pres. Stellan Mörner; Sec. S. Karling; publ. *Meddelanden från Kungl. Akademien för de fria Konsterna* (*yearly*).

Svenska Slöjdföreningen (*Swedish Society of Industrial Design*): Nybrogatan 7, Stockholm 7; f. 1845; 17,000 mems.; Pres. Arthur Hald; Man. Dir. Sven A. Hansson; publs. *Form* (10 a year); *Kontur* (annual).

Sveriges Allmänna Konstförening (*Swedish General Art Assn.*): Stora Nygatan 5, P.O.B. 2151, Stockholm 2; f. 1832; approx. 20,000 mems.; Pres. Johan Nordenfalk; Dir. Konstnären Magnus Creutz; Sec. Direktör Kjell Hägglöf; publ. *Sveriges Allmänna Konstförenings årspublikation* (Swedish General Art Association's annual publication).

International Cultural Institutes

British Centre: Kommendörsgatan 30, Stockholm Ö, f. 1954; object: to spread knowledge of the English language and England; library of 7,000 vols.; employs 75 British teachers of English in provincial towns throughout the country; also runs a school of English in Hove, Sussex, England; Dir. Ian Dunlop, M.A.

British Council: c/o The British Embassy, Strandvägen 82, Stockholm NO; f. 1941; Rep. A. D. Thomas, O.B.E.

Centre Français: Artillerigatan 26, Stockholm; f. 1947; object: to further knowledge of the French language in Sweden; employs 30 French teachers in provincial towns; Dir. Marcel Bouvier.

Deutsches Kulturinstitut (Goethe Institut): Deutsche Bibliothek, Hovslagergatan 2, Stockholm.

Deutsches Zentrum: Grevturegatan 9, Stockholm; object: to stimulate interest in German language and culture; employs 40 German teachers stationed in provincial towns; Dir. Gunnar Rosén.

Ibero-American Institute: Vasagatan 3, Gothenburg; f. 1939; information, research, courses; library of 24,000 vols.; Dir. Nils Hedberg; publ. regular cultural series, monographs, five-year reports.

Institut Français: Strandvägen 5a, Stockholm; f. 1937; object: to encourage cultural relations between France and Sweden; Dir. Marcel Gigout.

Istituto Italiano di Cultura "C. M. Lerici": Gärdesgatan 14, Stockholm; Dir. Prof. Sergio Ponzanelli.

Stiftelsen Wenner-Gren Centre for Scientific Research: Sveavägen 166, Stockholm VA; f. 1962; residence and meeting place for foreign visiting scientists.

Svenska Institutet för Kulturellt Utbyte med Utlandet (*The Swedish Institute for Cultural Relations*): Kungsgatan 42, Stockholm 3; f. 1945; object: to promote a wider knowledge of Sweden abroad; Pres. Dr. Gunnar Sundblad; Man. Dir. Tore Tallroth.

Sverige-Amerika Stiftelsen (*The Sweden-America Foundation*): Grevturegatan 14, Stockholm; f. 1919 to increase understanding between Sweden and the United States and, since 1950, Canada; awards fellowships for Swedes to study in the United States and Canada and advises students from those countries about studies in Sweden; Chair. Bengt Petri; Dir. Adèle Heilborn; publs. *Resor och Studier i U.S.A., Travel, Study and Research in Sweden.*

U.S. Information Center: Norrmalmstorg 1, Stockholm.

Engineering

Ingeniörsvetenskapsakademien (*Royal Swedish Academy of Engineering Sciences*): Box 5073, Stockholm 5; f. 1919 to promote technical research; 200 mems.; Dir. Prof. Sven Brohult; Asst. Dir. G. Ljungberg; publs. *Meddelanden*, Swedish contributions to *Acta Polytechnica Scandinavica* (monographs), *TVF, Teknisk-vetenskaplig forskning* (periodical, 8 issues per year).

Svenska Teknologföreningen (*Swedish Association of Engineers and Architects*): Brunkebergstorg 20, Stockholm C; f. 1861; 1,300 mems.; Pres. Bengt Wijkman; Man. Dir. Bertil Sjögren; publ. *Teknisk Tidskrift* (weekly).

Svenska Konsulterande Ingenjörers Förening (*Swedish Association of Consulting Engineers*): Grevturegatan 30, Stockholm; f. 1910; 241 mems.; Pres. Gustaf Löfgren; Man. Dir. Ragnar Widegren.

Ethnology

Kungl. Gustav Adolfs Akademien (*Royal Gustavus Adolphus Academy*): Uppsala: f. 1932; Pres. Prof. Dag Strömbäck; Vice-Pres. Prof. Gösta Berg; Sec. Prof. Jöran Sahlgren.

Geography and Geology

Geologiska Föreningen (*Geological Society*): Stockholm 50; f. 1871; 600 mems.; Pres. Prof. Dr. G. Regnéll; Sec. Fil. lic. E. Åhman; Editor Fil. Dr. A. Martinsson; publ. *Geologiska Föreningens i Stockholm Förhandlingar* (quarterly).

Kungl. Fysiografiska Sällskapet i Lund (*Royal Physiographical Society of Lund*): Lund; f. 1772; 160 mems., 85 foreign correspondents; Pres. Prof. Johan Rasmusson; Sec. Prof. G. Glimstedt; publs. *Fysiografiska Sällskapets Handlingar, Fysiografiska Sällskapets Förhandlingar* (both annually).

Svenska Sällskapet för Antropologi och Geografi (*Swedish Society for Anthropology and Geography*): Stockholms Universitet, Stockholm; f. 1880; aims: to forward the development of anthropology and geography in Sweden, to communicate with foreign societies with the same objectives, and to support investigations into anthropology and geography; 1,100 mems.; library of 10,000 vols.; Pres. Gunnar Hoppe; Sec. Bertil Hedenstierna; publs. *Geografiska Annaler, Ymer, Atlas of Sweden.*

International Affairs

Utrikespolitiska Institutet (*The Swedish Institute of International Affairs*): Birger Jarlsgatan 20, Stockholm; f. 1938; object: to promote the studies of international affairs; Pres. Prof. Hilding Eek; Man. Dirs. Dr. Karl E. Birnbaum, E. Holm.

Law

International Law Association: Swedish Branch; f. 1922; Pres. Judge Algot Bagge, Sture Petrén; Council: Bertil Ahrnborg, Nils Berglund, Sigurd Dennemark, Hilding Eek, Torsten Gihl, Emanuel Högberg, Alvar Lindencrona, Håkan Nial, Sten Rudholm, G. von Sydow, Östen Undén, Hugo Wikander, Claes Palme; Hon. Sec. and Treas. C. Palme, Wahrendörffsgatan 1, Stockholm.

Literature

Samfundet de Nio (*Nine Swedish Authors' Society*): Villagatan 14, Stockholm; f. 1913; Pres. Eva Andén (lawyer); Sec. Elsa Björkman-Goldschmidt (essayist); mems. John Landquist, Algot Werin, Olle Holmberg (professors), Hjalmar Gullberg (poet), Margit

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ABENIUS (essayist), STINA ARONSON (novelist), SARA LIDMAN (novelist); publ. *Svensk Litteraturtidskrift* (quarterly).

Sveriges Författareförening (*Swedish Authors' Society*): Författargården Lilla Hornsberg, Stockholm K; f. 1893; to protect the intellectual and economic interests of authors; 507 mems.; Pres. STELLAN ARVIDSON; Sec. HILDING ÖSTLUND; publ. *Medlemsblad för Sveriges Författareförening* (journal for members).

MATHEMATICS

Matematiska Föreningen, Universitetet, Uppsala (*Mathematical Society*): The University, Uppsala; f. 1853; 30 mems.; Sec. ARNE NORDLANDER.

Lunds Matematiska Sällskap (*Lund Mathematical Society*): Matematiska Institutionen, Lund; f. 1923; 180 mems.; Sec. and Treas. PER MIKAEL STERNBERG.

MEDICINE

Kungl. Medicinalstyrelsen (*National Board of Health*): Vallingatan 2, Stockholm; public health and hospital administration; f. 1663; Gen. Dir. ARTHUR ENGEL, M.D.; publs. *Allmän Hälso-och Sjukvård* (Official Statistics of Sweden: Public Health in Sweden), annual report.

Svenska Läkaresällskapet (*Swedish Medical Society*): Box 558, Stockholm 1; f. 1807; 3,500 mems.; Chair. Prof. G. VON BAHR, M.D.; Sec. JOHN LUNDQUIST, M.D.; publs. *Hygiea, Svenska Läkaresällskapets Förhandlingar.*

MILITARY SCIENCE

Kungl. Krigsvetenskaps Akademien (*Royal Military Academy*): Ostermalmsgatan 87, Stockholm; f. 1796 to advance military science and disseminate knowledge in the services; 330 mems.; Pres. Lieut.-Gen. K. R. KOLMODIN; Sec. Brig. C. H. JENTZEN.

MUSIC

Kungl. Musikaliska Akademien (*Royal Academy of Music*): Stockholm; f. 1771 for the promotion and protection of the art and science of music; approx. 170 mems.; library; Pres. Prof. C.-A. MOBERG; Sec. STIG WALIN; publ. *Kungl. Musikaliska Akademiens Årsskrift* (year book) (*see also under* Universities).

Musikaliska Konstföreningen (*Musical Art Association*): Post Box 16,265, Stockholm 16; f. 1859 for the publication of Swedish music; Chair. G. MORIN; Sec. C. GENETAY.

Svenska Samfundet för Musikforskning (*Swedish Society for Musicology*): Stockholm; f. 1919; approx. 270 mems.; Pres. Prof. I. BENGTSSON, Uppsala University; Sec. Dr. Phil. A. HELMER, Höganäsgatan 8B, Uppsala; publs. *Svensk Tidskrift för Musikforskning* (year book), *Monumenta Musicae Svecicae.*

NATURE STUDY

Svenska naturskyddsföreningen (*The Swedish Society for the Conservation of Nature*): Riddargatan 9, Stockholm; mem. of IUCN; 40,000 mems.; publ. *Sveriges Natur* (bi-monthly) and a yearbook.

SCIENCE

Kungl. Svenska Vetenskapsakademien (*Royal Swedish Academy of Science*): Stockholm 50; f. 1739 by a society among whose members was Carl Linnaeus, for the promotion of mathematics and natural sciences; 150 mems., 108 foreign corresps.; Pres. RAGNAR GRANIT; Perm. Sec. ERIK RUDBERG; publs. *Kungl. Svenska Vetenskapsakademiens Handlingar, Arkiv för matematik, Arkiv för astronomi, Arkiv för fysik, Arkiv för geofysik, Arkiv för kemi, Arkiv för mineralogi och geologi, Arkiv för botanik, Arkiv för zoologi, Stockholms Observatoriums Annaler, K. Vetenskapsakademiens Årsbok* (year book), etc.; library, *see* Libraries.

Kungl. Vetenskaps-Societeten (*Royal Society of Sciences at Uppsala*): St. Larsgatan 1, Uppsala; f. 1710; 130 mems., 100 foreign corresps.; Pres. Prof. SVEN HÖRSTADIUS; Sec. Prof. GUNNAR MALMQUIST; Libr. Fil. Lic. ÅKE DINTLER; publs. *Nova Acta Regiæ Societatis Scientiarum Upsaliensis, Kungl. Vetenskaps Societetens Årsbok* (annually).

STATISTICS

Statistiska Föreningen (*Statistical Society*): Linnégatan 87, Fack, Stockholm 97; f. 1901; forms a link between practising statisticians and laymen interested in statistics, and by means of lectures, discussions and reports contributes to the analysis of problems in this field of science; 400 mems.

RESEARCH COUNCILS AND RESEARCH INSTITUTES

RESEARCH COUNCILS

Statens råd för Atomforskning (*Swedish Atomic Research Council*): Stockholm; f. 1945; objects are to co-ordinate and lead the activities concerning nuclear research within the country and to promote the work in this field, *inter alia* by grants to scientists and scientific institutions; 12 mems.; Pres. Governor MATS LEMNE, Vänersborg; Sec.-Gen. Dr. GÖSTA FUNKE, Stockholm.

Statens rad för Byggnadsforskning (*Swedish National Council for Building Research*): Linnégatan 64, Stockholm Ö; f. 1960; aim is to follow and promote technical research in the building industry; 9 mems.; Pres. HJALMAR OLSON, DR.TECH.; Dir. MEJSE JACOBSSON, DR.TECH.; publs. *Handlingar* (Transactions), *Rapporter* (Reports), *Småskrifter* (Pamphlets).

Statens medicinska forskningsråd (*Swedish Medical Research Council*): Uppsala; f. 1945; the Medical Research Council was established under the Ministry of Ecclesiastical Affairs and Public Instruction to administer funds provided annually by the Swedish Parliament for the promotion of scientific research in medicine; in the fiscal year of 1963-64 the fund amounted to 8,855,000 Swedish Kr.; 17 mems.; Chair. B. PETRI, Chancellor of the Universities of Sweden; Sec. Prof. BENGT E. GUSTAFSSON, M.D.

Statens naturvetenskapliga forskningsråd (*Swedish Natural Science Research Council*): Stockholm; f. 1946; object is to promote, by grants and in other ways, scientific research work within the country, and also to further co-operation between this work and investigations within kindred fields of learning; 12 mems.; Pres. Prof. BERTIL LINDBLAD, Saltsjöbaden; Sec. Dr. GÖSTA FUNKE, Stockholm; publ. *Svensk naturvetenskaps.*

Statens råd för Samhällsforskning (*The Swedish Council for Social Science Research*): Wenner-Gren Centre, Sveavägen 166, Stockholm Va; f. 1947; encourages and promotes scientific research in the fields of social science, legal science, psychology and education; Chair. Prof. TORGNY SEGERSTEDT; Secs. ÅKE BRUHN-MÖLLER and NILS-ERIC SVENSSON; library *see under* Statens Psykologisk-Pedagogiska Bibliotek.

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RESEARCH INSTITUTES

Agriculture, Forestry

Jordbrukstekniska Institutet (*Swedish Institute of Agricultural Engineering*): Ultuna, Uppsala 7; f. 1945; 1,800 vols. in library; Dir. Gustaf Aniansson, M.Sc.Agr.; Research Engineer Dr. Sigfrid Bjerninger; publ. *Meddelanden* (bulletins on the various investigations; at irregular intervals).

Träforskningscentrum (*Swedish Wood Research Centre*): 53-67 Drottning Kristinas väg, Stockholm; f. 1944; carries out investigations of forest products, their development and use; trains scientists and engineers; approx. 230 mems.

Svenska Träforskningsinstitutet (*Swedish Forest Products Research Laboratory*): Head of Wood Technology Dept. B. Thunell, Dr.Techn.; Head of Wood Chemistry Dept. B. Lindberg, Dr.Sc.; Head of Paper Technology Dept. B. Steenberg, Dr.Sc.; Sec. E. Westberg; Librarian Mrs. M. Haeggström.

Centrallaboratorier (*Central Laboratories*): Heads: Cellulose Industry Laboratory L. Stockman, Dr.Techn.; Graphic Arts Research Laboratory Gösta Carlsson, Chem.Eng.; Paper Mills Laboratory O. Brauns, Chem.Eng.; Wood Industry Laboratory B. Thunell, Dr.Techn.; Fibre Board Industry Laboratory E. Back, Dr.Techn.

Publications: *Meddelanden fran: Svenska träforskningsinstitutet, Träteknik, Träkemi och Pappersteknik, Cellulosaindustriens Centrallaboratorium, Grafiska Forskningslaboratoriet, Pappersbrukens Centrallaboratorium, Trätekniska Centrallaboratoriet, Wallboardindustriens Centrallaboratorium.*

Statens Växtskyddsanstalt (*National Institute for Plant Protection*): Solna 7; f. 1932; research into diseases and pests of cultivated plants; number of scientists 40; the library contains 9,000 vols.; Dir. of the Inst. and Head Dept. of Botany D. Lihnell, Ph.D.; Head Dept. of Zoology E. Sylvén, Ph.D.; Head Advisory Dept. B. Tunblad, B.A.; Head Dept. of Supervision and Plant Quarantine C. Holmberg, B.Agr.; Head Dept. of Chemistry S. Renvall, M.A.; Head Branch Station at Alnarp, Åkarp. J. Mühlow, B.A.; Head Branch Station at Linköping B. Wahlin, M.A.; Head Branch Station at Skara Å. Borg, M.A.; Head Branch Station at Teg H. Hellqvist, M.Agr.; Head Branch Station at Kalmar U. Haegermark, M.Agr.; publs. *Meddelanden från Statens Växtskyddsanstalt, Flygblad från Statens Växtskyddsanstalt* (irregular), *Växtskyddsnotiser* (6 times a year).

Economics

Industriens Utredningsinstitut (*The Industrial Institute for Economic and Social Research*): Stockholm 5; f. 1939; 20 research fellows; Pres. Ragnar Bentzel, Ph.D.; English summaries of most publications available.

Företagsekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Business Research Institute at the Stockholm School of Economics*): *see under* Handelshögskolan i Stockholm (below).

Geology

Oceanografiska Institutionen vid Universitet i Göteborg (*Dept. of Oceanography at the University of Gothenburg*): Stibergstorget 8, Box 1038, Göteborg 4; f. 1939; investigation of physical and chemical oceanography, deep-sea deposits, radioactive elements in ocean waters, etc.; acts as centre of research on material from the Swedish Deep-Sea Expedition, and editorial office for its reports; library of 2,000 vols.; Dir. Prof. B. Kullenberg; Sec. and Librarian Miss Stina Mellgren; Chief Scientist Dr. N. Jerlov; 12 mems.; publs. *Meddelanden från Oceanografiska Institutionen i Göteborg, Reports of the Swedish Deep-Sea Expedition.*

Sveriges Geologiska Undersökning (*Geological Survey of Sweden*): Stockholm 50; f. 1858; Government institute for scientific and practical research on the geology of Sweden; library of 40,000 vols.; Dir. K. A. Lindbergson; publs. geological maps, *Årsbok* (yearbook).

Medicine

Statens Institut för Folkhälsan (*The National Institute of Public Health*): Stockholm 60; f. 1938; objects are to prepare and promote preventive measures designed to preserve and improve public health; 220 mems.; library of 5,000 vols.; Dir. Prof. E. Brunius; publs. *Vår Föda, Berättelse över verksamheten vid statens institut för folkhälsan.*

Statistics

Kungl. Statistiska Centralbyrån (*Central Bureau of Statistics*): Linnégatan 87, Stockholm NO; postal address: Fack, Stockholm 27; f. 1858; Chief Dir. Dr. Ingvar Ohlsson; five sections for special statistical branches: (1) Vital and Electorial Statistics, Population Census, Dir. Ture Widstam; (2) Agriculture, Fisheries, Dir. Knut Medin; (3) Local Government Finance, Tax Assessment Income and Property, Economy of Manufacturing and Commercial Enterprises, Local Savings Banks, State and Local Government Employees, Dir. John Bredal-Bauer; (4) Judicial and Criminal Statistics, Road Traffic Accidents, Dir. Cecil Hammarberg; (5) Educational Statistics, Dir. Klas Wallberg. Other sections: Chancellery, Dir. Sten Högberg; Library, Archives, Statistical Abstract and Statistical Review, Dir. Margit Vinge; Division of Civil Registration, Dir. Alf Olsson; Machine Tabulation Services (with Register of Motor Vehicles), Dir. Åke Pernelid; Survey Research Centre, Dir. Gunnar Jacobsson; publs. include *Statistical Abstract of Sweden, Statistical Review*; library *see* Libraries.

Technology

Institutet för metallforskning (*Swedish Institute for Metal Research*): Drottning Kristinas väg 48, Stockholm Ö; f. 1919, reorganised 1943 and 1962; institute is equipped with furnaces for high-frequency melting and for heat-treatment of metals, apparatus for gas analysis, spectral analysis, optical and electronic microscopy, X-ray and micro X-ray investigations, electron probe analyser, etc.; 2,000 monographs and 120 periodicals; Pres. Prof. Roland Kiessling, D.Sc.; Sec. Mrs. G. Bergman; Librarian B. Bergman, Air Commodore (retd.).

Statens Provningsanstalt (*The National Institute for Materials Testing*): Stockholm O; f. 1920 (Testing Institute of the Royal Institute of Technology, 1896-1920); object is to carry out, on behalf of Government institutions and private firms, impartial expert tests of raw products and manufactured articles, and to investigate and report on their mechanical, physical and chemical properties and their commercial utilisation; library of 8,000 vols.; Dir. L. Simonsson; publs. *Meddelanden* (Proceedings), *Cirkulär* (Circulars).

Svenska Textilforskningsinstitutet (*Swedish Institute for Textile Research*): Gibraltargatan 5F, Göteborg S; f. 1943; technical and scientific research on textile materials and processes; library of 2,500 vols.; Dir. Prof. Nils Gralén; publ. *Meddelanden från Svenska Textilforskningsinstitutet.*

Statens Skeppsprovningsanstalt (*Swedish State Shipbuilding Experimental Tank*): Göteborg 24; f. 1940; testing and research work; library of 1,150 vols.; Dir. Dr. Hans

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EDSTRAND; publ. *Meddelanden från Statens Skeppsprovningsanstalt* (in English or English summary).

Statens Geotekniska Institut (*Swedish Geotechnical Institute*): Banérgatan 16, Stockholm NO; f. 1944; staff of 60; research and consulting work in soil mechanics and foundation engineering; Dir. JUSTUS OSTERMAN; Research Dept. G. LINDSKOG; Consulting Dept. S. ODENSTAD; Mechanical Dept. (Vacant); Laboratory Dept. R. KARLSSON; publs. *Meddelanden, Proceedings, Reprints and Preliminary Reports.*

Flygtekniska Försöksanstalten, FFA. (*The Aeronautical Research Institute of Sweden*): Ranhammarsvägen 12, Box 1121, Bromma 11; f. 1940; 300 mems.; Dir.-Gen. Bo LUNDBERG; Chief of Aerodynamics Dept. I: E. PETERSOHN; Chief of Aerodynamics Dept. II: G. DROUGGE; Chief of Structures Dept. G. WALLGREN; Chief of Physics Dept. (Vacant); Chief of Engineering Dept. C. NELANDER; Chief of Secretary's Office G. NAESMAN; Librarian Mrs. B. BERG; publ. *FFA Medelanden* (Reports).

Stiftelsen för Skeppsbyggnadsteknisk Forskning (*The Swedish Shipbuilding Research Foundation*): Gustaf Dalénsgatan 8, Gothenburg H; f. 1955; research on ship mechanics and hydrodynamics; Pres. H. NIELSEN; Dir. of Research L. SWENSON.

VETERINARY SCIENCE

Statens veterinärmedicinska anstalt (*State Veterinary Medical Institute*): Stockholm 50; f. 1911 (reorganised 1944); research, diagnostic work, preparation of sera and vaccines, consultative work concerning control and prophylaxis of animal diseases; consists of six departments: Bacteriological, Pathological, Serological, Parasitological, Chemical and Consultative; library of 10,000 vols.; Dir. H.-J. HANSEN, V.M.D.; Sec. R. JOBSON; Librarian K. ISAKSSON; scientific staff 36, technicians and other employees 130; publ. *Collected Papers of the State Veterinary Medical Institute* (issued annually).

LIBRARIES AND ARCHIVES

PRINCIPAL PUBLIC LIBRARIES

Bibliotekskonsulenterna i Kungl. Skolöverstyrelsen (*The Library Advisers to the National Board of Education*): Fack, Stockholm 8 (office at Sveavägen 21); supervises and advises the state-supported public libraries; runs a library school and courses for part-time librarians; library of 6,000 vols. (books on librarianship, bibliographies, reference books, and a basic collection of books for public and school libraries); Dir. BENGT HJELMQVIST.

Borås stadsbibliotek (*City Library and County Library of Älvsborgs län*): Sturegatan 36, Borås; f. 1898; 146,000 vols.; Chief Librarian JÖRGEN ELGSTRÖM.

Eskilstuna stadsbibliotek (*City Library and County Library of Södermanlands län*): Teatergatan 5, Eskilstuna; f. 1925; 150,000 vols.; Chief Librarian GUNBORG NYMAN.

Gävle stadsbibliotek (*City Library and County Library of Gävleborgs län*): S. Strandgatan 6, Gävle; f. 1907; 146,000 vols.; Chief Librarian THORD PLÆNGE JACOBSON.

Göteborgs stads folkbibliotek (*City Library and County Library of Göteborgs och Bohus län*): S. Allégatan 4, Göteborg SV; f. 1861; 688,000 vols.; Chief Librarian SIGURD MÖHLENBROCK.

Halmstads stadsbibliotek (*City Library and County Library of Hallands län*): Fredsgatan 2, Halmstad; f. 1922; 106,000 vols.; Chief Librarian NILS ROTH.

Jämtlands läns bibliotek (*City Library of Östersund and County Library of Jämtlands län*): Rådhusgatan 25, Östersund; f. 1833; 163,000 vols.; Chief Librarian INGEMAR KALÉN.

Jönköpings stadsbibliotek (*City Library and County Library of Jönköpings län*): V. Storgatan 35, Jönköping; f. 1916; 113,000 vols.; Chief Librarian HERLUF AF TROLLE.

Kalmar stadsbibliotek (*City Library and County Library of Kalmar län*): Slottsvägen 1, Kalmar; f. 1922; 101,000 vols.; Chief Librarian BRITA VON ZWEIGBERGK.

Luleå stadsbibliotek (*City Library and County Library of Norrbottens län*): Köpmangatan 17, Luleå; f. 1903; 116,000 vols.; Chief Librarian OLGA BARDH.

Malmö stadsbibliotek (*City Library and County Library of Malmöhus län*): Regementsgatan 3, Malmö; f. 1905; 475,000 vols.; Chief Librarian BENGT HOLMSTRÖM.

Örebro stadsbibliotek (*City Library and County Library of Örebro län*): Fabriksgatan 2, Örebro; f. 1862; 195,000 vols.; Chief Librarian KARL GUSTAV WIRDE.

Stifts- och landsbiblioteket i Linköping (*State County Library, Östergötlands län*): Ågatan 65, Linköping; f. 1926; 315,000 vols.; Chief Librarian ÅKE VRETBLAD.

Stifts- och landsbiblioteket i Skara (*State County Library, Skaraborgs län*): Biblioteksgatan, Skara; f. 1938; 178,000 vols.; Chief Librarian BENGT STENBERG.

Stifts- och landsbiblioteket i Västerås (*State County Library, Västmanlands län*): Domkyrkoesplanaden 12-14, Västerås; f. 1952; 161,000 vols.; Chief Librarian HELGA LINDSTEN.

Stifts- och landsbiblioteket i Växjö (*State County Library, Kronobergs län*): Domkyrkoplatsen, Växjö; f. 1954; 192,000 vols.; Chief Librarian ERIC EILERT.

Stockholms stadsbibliotek (*City Library of Stockholm*): Sveavägen 73, Stockholm; f. 1927; 967,000 vols.; Chief Librarian GERT HORNWALL.

Umeå stadsbibliotek (*City Library and County Library of Västerbottens län*): Kungsgatan 80, Umeå; f. 1903; 105,000 vols.; Chief Librarian SVEN-OLA HELLMÉR.

Uppsala stadsbibliotek (*City Library and County Library of Uppsala län*): Ö. Ågatan 19, Uppsala; f. 1906; 151,000 vols.; Chief Librarian PAUL HARNESK.

OTHER LIBRARIES

STOCKHOLM

Riksarkivet (*Public Record Office*): Arkivgatan 3, Stockholm 2; f. 1618; National Archivist Dr. C. INGVAR ANDERSSON; publ. *Meddelanden från Svenska riksarkivet.*

Handelshögskolans Bibliotek (*Library of the Stockholm School of Economics*): Sveavägen 65, Stockholm Va; f. 1909; 100,000 vols.; economic subjects; Librarian M. LUNDÉN.

Kungl. Biblioteket (*Royal Library*): Stockholm 5; f. early 17th century; 900,000 vols., 14,000 MSS., including the *Codex aureus*, a Latin book of Gospels written in Canterbury about A.D. 750, and the celebrated "Devil's Bible" (*Gigas librorum*), a parchment MS. of Bohemian origin dating from about the year 1200; also very valuable collections of old Icelandic MSS. and Elzevir books; Japanese collection of A. E. Nordenskiöld; Goethe and Wagner collection of Vult von Steyern; Chief Librarian UNO WILLERS; publs. *Accessionskatalog* (since 1886), comprising the titles of all books not printed in Sweden acquired by the greater libraries of Sweden (annual), *Svensk bokförteckning* (Swedish National Bibliography), *Handlingar* (Publications), *Acta.*

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Kungl. Karolinska Mediko-Kirurgiska Institutets Bibliotek (*Royal Caroline Medico-Surgical Institute Library*): Stockholm 60; f. 1810; 138,000 vols., 115,000 theses, 850 MSS.; Chief Librarian Dr. E. J. KNUDTZON; publs. quarterly book list, list of current periodicals.

Kungl. Krigsarkivet (*Royal Swedish Military Record Office*): f. 1805; documents and maps from military authorities and regiments; Chief Keeper Dr. BERTIL BROOME.

Kungl. Musikaliska Akademiens Bibliotek: Nybrokajen 11, P.B. 16265, Stockholm 16; f. 1771; about 37,500 books on music, 580,000 scores of music, 21,400 MSS. and about 21,000 letters; the library is especially rich in 18th century music; Chief Librarian G. MORIN.

Kungl. Tekniska Högskolans Bibliotek (*Royal Institute of Technology Library*): Valhallavägen 79, Stockholm 70; f. 1826; 150,000 vols.; Chief Librarian C. BJÖRKBOM; publs. monthly book lists.

Kungl. Svenska Vetenskapsakademiens Bibliotek (*Library of the Royal Swedish Academy of Science*): Stockholm 50; f. 1739; 250,000 vols., 400,000 pamphlets, chiefly devoted to natural sciences, 4,000 MSS., including the valuable Bergius and Swedenborg collections; open to the public; Chief Librarian Dr. WILHELM ODELBERG.

Kungl. Utrikesdepartementets Arkiv och Bibliotek (*Archives and Library of The Royal Swedish Ministry for Foreign Affairs*): Gustav Adolfs torg 1, Stockholm 16; the archives contain documents relating to Swedish foreign affairs from 1900; the library contains works on modern history and politics, law, international law, economy and statistics; not open to the public; Head of Division ÅKE KROMNOV; First Archivist Dr. WILHELM CARLGREN; First Librarian IVAR BESKOW.

Kungl. Vitterhets Historie och Antikvitets Akademien Bibliotek och Arkiv (*Library and Archives of the Royal Academy of Letters, History and Antiquities*): Storgatan 41, Stockholm; f. 1786; 130,000 vols., 3,060 MSS., 20,000 maps and drawings, 360,000 photographs, 20,000 slides; special collection of antiquarian-topographical material; open to the public; Librarian S. RINMAN; Archivist Dr. S. STENSTROM.

Riksdagsbiblioteket (*Parliamentary Library*): Stockholm; f. 1851; central administrative library intended to serve the Riksdag and the administrative services; 250,000 vols.; chiefly devoted to law, political science, administration and social science; Chief Librarian LARS FRYKHOLM; Librarian BROR-GÖSTA CEDERSTRÖM; publs. *Årsberättelse* (Annual Report), *Förteckning över nyförvärv* (Annual list of acquisitions), *Årsbibliografi över Sveriges offentliga publikationer* (Annual bibliography of the official publications of Sweden), *Riksdagsregister* (Annual Index of parliamentary papers).

Skogsbiblioteket (*Library of Royal School of Forestry*): Stockholm 51; f. 1918; 80,000 vols.; Librarian Miss INGRID MATÉRN; publ. *Meddelanden från Skogsbiblioteket* (Reports of the Forestry Library) printed in *Svenska skogsvårdsföreningens tidskrift.*

Stadsarkivet i Stockholm (*Stockholm City Archives*): f. 1930; City Archivist Dr. NILS STAF.

Statens Psykologisk-Pedagogiska Bibliotek (*State Library of Psychology and Education*): Hantverkargatan 29, Stockholm; 118,000 vols.; Librarian ELIN EKMAN.

Statistiska Centralbyråns Bibliotek och Arkiv (*Library and Archives of the Central Bureau of Statistics*): Fack, Stockholm 27; f. 1858; library 108,000 vols.; archives, 4,000 metres; statistics, specially official statistics and international statistical surveys; Dir. of Documentation Unit MARGIT VINGE; Librarian S. SÖDERMAN.

Sveriges Radio, Dokumentarkivet (*Archives of the Swedish Broadcasting Corporation*): Box 955, Stockholm; f. 1963; documents relating to Swedish broadcasting and television; Archivist JON PETER WIESELGREN.

University of Stockholm Libraries:

Humanistiska Biblioteket: f. 1922; 178,000 vols., 25,000 pamphlets; Librarian N. MOLIN, Odengatan 59, Stockholm 6.

Juridiska Biblioteket: f. 1907; 52,000 vols., 10,500 pamphlets; Librarian Miss G. BODMAN, Norrtullsgatan 2, Stockholm Va.

Matematisk-naturvetenskapliga Biblioteket: f. 1943; 16,000 vols.; Librarian A. KÅRE, Kungstensgatan 45, Stockholm Va.

Utrikesdepartementet (*Library of The Royal Swedish Ministry of Foreign Affairs*): Gustav Adolfs torg 1, Stockholm; works on modern history and politics, law, international law, economy and statistics; not open to the public; First Archivist IVAR BESKOW.

GÖTEBORG

Chalmers Tekniska Högskolas Bibliotek (*Chalmers University of Technology Library*): Storgatan 43, Göteborg; f. 1829; 150,000 vols. in library; Chief Librarian ERIK HEMLIN.

Göteborgs Universitetsbibliotek (*Göteborg University Library*): General Section, Göteborg 5; Medical Section, Medicinaregatan 4, Göteborg SV; f. 1890; 800,000 vols. 350,000 pamphlets; Chief Librarian G. OTTERVIK; publs. *Årsberättelse* (Annual Report), *Acta Bibliothecae Göteburgensis.*

LUND

University Library of Lund: f. 1671; 900,000 vols.; brochures, maps, etc.; Chief Librarian KRISTER A. GIEROW; publs. include *Lunds Universitets Årsskrift.*

NYKÖPING

Atomenergis Bibliotek (*Library of the Atomic Energy Co.*): Studsvik, Nyköping; f. 1947; 70,000 vols.; Chief Librarian B. TELL; publ. *AE-Reports, Atomdokumentation.*

UPPSALA

Lantbrukshögskolans Bibliotek (*Royal Agricultural College Library*): Uppsala 7; f. 1932; 145,000 vols. in library; Librarian L. E. SANNER.

University Library of Uppsala: f. 1620; over 1,200,000 vols. (including more than 2,300 incunabula); 27,000 MSS., including the famous *Codex argenteus*, the "Silver Bible" of the 6th century, a translation of the Gospels into the Gothic language, Swedish and Icelandic medieval MSS., the *Bibliotheca Walleriana* (medical books), a collection of old music books, etc.; Librarian T. KLEBERG; publs. include *Uppsala Universitets Årsskrift, Acta Bibliothecae R. Universitatis Upsaliensis, Bibliotheca Ekmaniana, Årsberättelse* (Annual Report), etc.

MUSEUMS

Nationalmuseum: Stockholm 16; f. 1792; 8,000 paintings and miniatures, 1,750 sculptures, 156,000 drawings and prints, 25,000 numbers of arts and crafts; library with 95,000 vols.; administers also collections of several royal castles with 5,100 works of art; Supt. C. NORDENFALK; Heads of Depts.: Paintings and Sculptures B. WENNBERG; Print Room (also with the drawings) G. JUNGMARKER; Arts and Crafts C. HERNMARCK; Lending Dept. Mrs. G. SERNER-PETRÉN; Royal Castles

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Collection B. von Malmborg; Librarian Miss G. Osterman; publs. *Annual Report*, monographs and catalogues.

Moderna Museet (*Dept. for Contemporary Art*): Stockholm 100; f. 1958; Dir. K. G. Hultén.

Statens Etnografiska Museum: Stockholm NO; f. 1874; foreign ethnography; collection Sparrman (Cook's 1st and 2nd exped. South Seas); Thunberg (Japan, 1775-76), Fouché d'Otrante (Prairie Indians, 1842), A. E. Nordenskiöld ("Vega" circumnavigation of Asia, 1880-82), Sven Hedin; Dir. Prof. S. Linné; publs. *Ethnos* (illustrated journal), books and monographs.

Nordiska Museet: Stockholm, NO; f. 1873; ethnological and industrial art collections; about 400,000 exhibits; Dir. Prof. Gösta Berg, ph.d.; Keeper of Cultural History and Architecture Erik Andrén, ph.d.; Keepers of Ethnology Albert Eseröd, ph.d., Annamaja Nylén, ph.d.; Librarian Sam Owen Jansson; publs. *Acta Lapponica*, *Fataburen* (year book), books on industrial art and architecture, ethnology and folklore.

Skansen: Stockholm NO (open-air dept. of Nordiska Museet); f. 1891; ancient buildings, zoological garden; Dir. Prof. Gösta Berg, ph.d.; Keeper of Buildings Marshall Lagerqvist, ph.d.; Keeper of Natural History Kai Curry-Lindahl; publs. *Acta Vertebratica*, daily programmes, guides.

Statens Historiska Museum: Storgatan 41, Stockholm; f. 1630, refounded 1847; collections of prehistoric and medieval antiquities, Swedish and foreign coins and medals; Dir.-Gen. Gösta Selling; publ. *Statens Historiska Museum och Kungl. Myntkabinettet, Samlingarnas tillväxt*; the museum also publishes illustrated surveys of special groups of objects belonging to the museum and catalogues of temporary exhibitions.

Kungl. Livrustkammaren (*The Royal Armoury*): Stockholm NO; f. during reign of Gustavus Vasa (1523-1560); arms, costumes, coaches, etc., of Swedish royal personages; Dir. Dr. Brynolf Hellner; Curators Dr. Svante Svärdström, Miss Gudrun Ekstrand; Librarian Mrs. Aina Runnbeck; publ. *Livrustkammaren* (Journal of the Royal Armoury).

Naturhistoriska Riksmuseet (*Swedish Museum of Natural History*): Stockholm 50; f. 1819; Heads of Depts.: Vertebrate, Prof. J. A. G. Johnels; Entomology, Prof. L. Z. Brundin; Invertebrate, Prof. K. G. H. Lang; Palæozoology, Prof. A. E. V. Jarvik; Botany, Prof. N. T. Nordlindh; Palæobotany, Prof. O. H. Selling; Mineralogy, Prof. F. E. Wickman; the Royal Academy of Science acts as Board of Directors; primarily a scientific institution, but also has exhibitions for the public; publs. *Annual Report* and scientific papers.

Göteborgs Museum (*Gothenburg Museum*): N. Hamngatan 12, Göteborg; f. 1861; Chair. Gov. Dr. Per Nyström; Dir. Historical Museum, Dr. Stig Roth; Ethnographical Museum, Prof. Dr. Karl Gustaf Izikowitz; Archæological Museum, Prof. Dr. Carl-Axel Moberg; Museum of Natural History, Dr. Bengt Hudendick; Museum of Fine Arts, Dr. Alfred Westholm; Fortress "Kronan" (Military Museum attached to Historical Museum), Capt. Gösta Bolander; publ. *Arstryck* (annual).

Kulturhistoriska Museet (*Cultural History Museum*): Lund; f. 1882; ethnography, cultural history; 350,000 exhibits (ceramics, textiles, archæological finds from medieval Lund); Ostarp, old farm with inn, 30 km. from Lund; Dir. Dr. Bengt Bengtsson; publ. *Kulturen* (since 1935, yearbook).

Kungl. Armémuseum (*Royal Army Museum*): Riddargatan 13, Stockholm 7; f. 1879; about 37,000 exhibits, 15th–20th century; library with 15,000 vols.; open daily; Dir. Dr. H. Seitz; Librarian Miss Lena Barne; publs. *Meddelanden från Armémuseum* (from 1938), *Kungl. Armémuseums Handbocker* (Handbooks, 1953, 1955).

Musikhistoriska Museet: Stockholm; f. 1899, rebuilt 1962; over 2,000 exhibits incl. Benjamin Franklin's glass harmonica.

Östasiatiska Museet: Stockholm 100; f. 1959; art section containing mainly paintings, sculptures and ceramics; archæological section containing pottery and bronze objects; Dir. B. Gyllensvärd; publ. *Bulletin of the Museum of Far Eastern Antiquities*.

Sjöfartsmuseet (*The Maritime Museum and Aquarium*): Göteborg V; f. 1913 by the Nautical Society of Gothenburg; illustrates Swedish maritime history, as exemplified by the work of the Royal Navy, Merchant Navy, Fishing Fleets and yachtsmen; the collection includes models, marine paintings, portraits, drawings, maps and a library of books and prints; Dir. Capt. Stig Notini, r.sw.n.r.; publ. *Unda Maris* (year book).

Statens sjöhistoriska museum (*National Maritime Museum*): Stockholm NO; f. 1938; the oldest part of the Royal Naval Section originates from the Royal Chambers in 1752; collections give a view of Swedish naval and merchant history, vessels of the past and of today; Dir. Hans Hansson; publ. *Sjöhistorisk årsbok*.

Stockholms Stadsmuseum (*City Museum*): Götgatan 1, Stockholm; f. 1942; approx. 20,000 exhibits (including the "Lohe treasure", the Bellman Dept., paintings of Josabeth Sjöberg and an armed 15th-century vessel); approx. 500,000 photographic negatives, 30,000 drawings, sketches and engravings; Dir. Tord Nordberg; Dir. Building Dept. Hans Beskow; Dir. Archæological Dept. Henrik Ahnlund; Dir. Museums Dept. (Vacant); Dir. Instruction Dept. Olof Byström; publs. *Annual Report*, guides in Swedish and English catalogues.

Tekniska Museet (*Technical Museum*): Museivägen 7, Stockholm; f. 1924; 30,000 old machines, models, tools, etc.; open daily; Dir. Sigvard Strandh; publ. *Daedalus* (year book).

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UNIVERSITIES

GÖTEBORGS UNIVERSITET
(Gothenburg University)

VASAPARKEN, GÖTEBORG C.
Telephone: 031 204739

Founded 1891; became a university in 1954

Rector: H. Frisk.
Vice-Rector: Bo E. Ingelmark.
Secretary: S. Ströberg.

Library: *see* Libraries.
Number of teachers: 300, including 80 professors.
Number of students: 4,500.

Deans:

Faculty of Arts: A. Attman (Historical Section).
T. Dahlberg (Language Section).
Faculty of Science: T. Ganelius.
Faculty of Medicine: S. Ranström.

Professors:

Faculty of Arts:

Historical-Philosophical Section:

Attman, Arthur (Economic History).
Breitholtz, Lennart (History of Literature).
Dahlström, Edmund (Sociology).
Elmgren, John (Psychology).
Godlund, Sven (Cultural and Economic Geography).
Hamberg, Per Gustaf (History of Art).
Härnqvist, Kjell (Pedagogy).
Hyrenius, Hannes (Statistics).
Izikowitz, Karl Gustav (Ethnography).
Kragh, Börje (Political Economy)
Lönnroth, Erik (Political History).
Moberg, Carl-Axel Axelsson (Northern and Comparative Archæology).
Segelberg, Ivar (Philosophy).
Westerståhl, Jörgen (Political Science).
Åkerström, Åke (Classical Archæology).
(Vacant—Modern Political History.)

Language Section:

Dahlberg, Torsten (German Language).
Düring, Ingemar (Greek).
Ellegård, Alvar (English Language and Literature).
Frisk, Hjalmer (Comparative Philology and Sanskrit).
Jacobsson, Gunnar (Slavonic Languages).
Johannisson, Ture (Northern Languages).
Lewin, Bernhard (Semitic Languages).
Nilsson-Ehle, Hans (Romance Languages).
Wistrand, Erik (Latin).

Faculty of Science:

Bäckström, Hans (Physical Chemistry).
Bergstrom, Harald (Statistics).
Beskow, Gunnar (Geology).
Fänge, Ragnar (Zoophysiology).
Ganelius, Tord (Mathematics).
Hanner, Olof (Mathematics).
Kullenberg, Börje (Oceanography).
Levring, Tore (Marine Botany).
Nyholm, Karl-Georg (Zoology).
Rudberg, Sten (Natural Geography).
Ryde, Nils (Physics).
Virgin, Hemming (Plant Physiology).
(Vacant—Analytical Chemistry, Biochemistry, Botany, Inorganic Chemistry, Physical Chemistry, Theoretical Physics.)

Faculty of Medicine:

Benner, Sven (Medical Radiophysics).
Brody, Sam (Obstetrics and Gynæcology).
Broman, Tore (Neurology).
Carlsson, Arvid (Pharmacology).
Carlsten, Arne (Clinical Physiology).
Clemedson, Carl-Johan (Hygiene).
Folkow, Björn (Physiology).
Gelin, Lars-Erik (Surgery).
Herberts, Gösta (Oto-Rhino-Laryngology).
Hirsch, Carl (Orthopædics).
Hydén, Holger (Histology).
Ingelmark, Bo Erik (Anatomy).
Jungner, Gunnar (Clinical Chemistry).
Karlsberg, Petter (Pædiatrics).
Kjellberg, Sven Roland (X-ray Diagnostics).
Lindberg, Bengt (Psychiatry).
Lundberg, Anders (Physiology).
Mellander, Olof (Medical Chemistry).
Mellgren, Jan (Pathology).
Moberg, Erik Axelsson (Extremity Surgery).
Norlén, Gösta (Neurosurgery).
Ouchterlony, Örjan (Bacteriology).
Ranström, Stig (Pathology).
Romanus, Ragnar (Surgery).
Rosengren, Bengt (Ophthalmology).
Seeberg, Georg (Dermatology and Venereal Diseases).
Stenhagen, Einar (Medical Biochemistry).
Stenhagen, Stina (Medical Chemistry).
Strandqvist, Magnus (Radio-Therapeutics).
Vahlne, Gösta (Clinical Bacteriology).
Wassén, Erik (Medicine).
Werkö, Lars (Medicine).
(Vacant—Social Medicine.)

LUNDS UNIVERSITET
(University of Lund)

Telephone: Lund 24100

Founded 1666

Rector: Philip Sandblom.
Vice-Rector: Sven Kjöllerström.
Secretary and Registrar: Alf Gjöthlén.

Library: *see* Libraries.
Number of teachers: 588, including 108 professors.
Number of students: 8,350.

Deans:

Faculty of Theology: Prof. Gustaf Wingren.
Faculty of Law: Prof. Fritjof Lejman.
Faculty of Medicine: Prof. Carl-Herman Hjortsjö.
Faculty of Humanities:
Prof. Bertil Malmberg (Philologic Section).
Prof. Staffan Björck (Historic-Philosophic Section).
Faculty of Mathematics and Natural Sciences: Prof. Per Brinck.
Faculty of Economics: Prof. Nils Västhagen.

Professors:

Faculty of Theology:

Ehnmark, Erland (History and Psychology of Religion).
Gerleman, Gillis (Old Testament Exegesis).
Kjöllerström, Sven (Practical Theology and Ecclesiastical Law).
Lyttkens, Hampus (Philosophy of Religion).
Normann, Carl Edvard (Ecclesiastical History).
Odeberg, Hugo (New Testament Exegesis).
Persson, Per Erik (Systematic Theology).
Wingren, Gustaf (Systematic Theology).

Faculty of Law:

Hafström, Gerhard (History of Law).
Lejman, Fritjof (Civil Law).
Lögdberg, Åke (Civil and International Civil Law).
Nelson, Alvar (Criminal Law).
Nilsson-Stjernquist, Per (Civil Law).
Olivecrona, Karl (Judicial Procedure).
Strömberg, Hakan (Administration and Public Law).
Strömberg, Tore (Philosophy of Law).
Welinder, Carsten (Finance Law, Taxation Law).

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Faculty of Medicine:
AHLSTRÖM, CARL GUSTAF (Pathological Anatomy and Legal Medicine).
ALWALL, NILS (Practical Medicine, especially Nephrology).
BORGSTRÖM, BENGT (Medical and Physiological Chemistry).
EMMELIN, NILS (Physiology).
ESSEN-MÖLLER, ERIK (Psychiatry).
GLIMSTEDT, GÖSTA (Histology).
GRUBB, RUNE (Bacteriology).
HAGERMAN, GÖSTA (Dermatology and Venereal Diseases).
HJORTSJÖ, CARL-HERMAN (Anatomy).
HOLMBERG, CARL GOTTFRID (Clinical Chemistry).
KAHLSON, GEORG (Physiology).
KOCH, HJALMAR (Oto-Rhino-Laryngology).
KULLANDER, STIG (Obstetrics and Gynæcology).
LINDGREN, GUNNAR (Social Medicine).
LINDGREN, MARTIN (Radiotherapy).
LINELL, FOLKE (General Pathology).
LUNDBERG, NILS (Neurosurgery).
MÜLLER, RAGNAR (Neurology).
NYMAN, EBERHARD (Psychiatry).
OLSSON, OLLE (X-ray Diagnostics).
PALM, ERIK (Ophthalmology).
RONGE, HANS (Hygiene).
SANDBLOM, PHILIP (Surgery).
SJÖVALL, ALF (Obstetrics and Gynæcology).
SÖDERSTRÖM, NILS (Practical Medicine).
THESLEFF, STEPHEN (Pharmacology).
WALDENSTRÖM, JAN (Clinical Medicine).
WELIN, SÖLVE (X-ray Diagnostics).
WIBERG, GUNNAR (Orthopædics).
WINBLAD, STEN (Clinical Bacteriology).
WULFF, HELGE (Surgery).
(Vacant—Pædiatrics.)

Faculty of Humanities:
AHLDÉN, TAGE (German Language).
ARBMAN, HOLGER (Prehistory and Medieval Archæology).
ARNGART, OLOF (English Language).
ARVIDSSON, GUY (Political Economy).
ASPELIN, GUNNAR (Theoretical Philosophy).
AXELSON, BERTIL (Italian Language and Literature).
BJÖRCK, STAFFAN (History of Literature).
BJURLING, OSCAR (Economic History).
BORELIUS, ARON (Art and Art Theory).
CARLSSON, GÖSTA (Sociology).
DEDERING, SVEN (Oriental Languages).
EDLUND, SVEN (Pedagogics).
FAIK, KNUT-OLOF (Slavonic Languages).
FEHRMAN, CARL (History of Literature).
GJERSTAD, EINAR (Classical Archæology and Ancient History).
HÄGERSTRAND, TORSTEN (Geography).
HANELL, KRISTER (Classical Archæology and Ancient History).
HOLM, GÖSTA (Scandinavian Philology).
HOLMER, NILS (Comparative Philology).
LJUNGGREN, K. G. (Swedish Language).
LOMBARD, ALF (Romance Languages).
MALMBERG, BERTIL (Phonetics).
MORITZ, MANFRED (Practical Philosophy).
QUENSEL, CARL-ERIK (Statistics).
ROSÉN, JERKER (History).
SMITH, GUDMUND (Psychology).
STJERNQUIST, NILS NILSSON (Political Science).
SVENSSON, SIGFRID (Folklore).
WIFSTRAND, ALBERT (Greek Language and Literature).
(Vacant—English Language and Literature, History.)

Faculty of Mathematics and Natural Sciences:
AGRELL, IVAR (Zoophysiology).
BERGSTEN, KARL ERIK (Geography).
BRINCK, PER (Zoology).
BURSTRÖM, HANS (Botany).
DAHL, ERIK (Zoology).
EDLÉN, BENGT (Physics).
EHRENSVÄRD, GÖSTA (Biochemistry).
FRIESEN, STEN VON (Physics).
FRONÆUS, STURE (Chemistry).
GÅRDING, LARS (Mathematics).
GUSTAFSON, TORSTEN (Mechanics and Mathematical Physics).
HJELMQUIST, SVEN (Geology and Mineralogy).
KÄLLÉN, GUNNAR (Theoretical Physics).
LARSSON, ERIK (Chemistry).
LEDEN, IDO.
LEVAN, ALBERT (Cytology).
LINDROTH, CARL (Entomology).
MÜNTZING, ARNE (Heredity).
PLEIJEL, ÅKE (Mathematics).
REGNÉLL, GERHARD (Geology).
SCHALÉN, CARL (Astronomy).
THUNMARK, SVEN GUSTAF (Limnology).
WEIMARCK, HENNING (Botany).

Faculty of Economics:
HENELL, OLOF (Business Economics).
KIHLSTEDT, CURT (Business Economics).
VAHLEN, LENNARD (Commercial Law).
VÄSTHAGEN, NILS (Business Economics).
(Vacant—Political Economy, Economic Geography.)

STOCKHOLMS UNIVERSITET
(University of Stockholm)

DROTTNINGGATAN 116, STOCKHOLM

Telephone: 34 08 60

Founded 1877

Rector: Prof. HÅKAN NIAL.
Vice-Rector: Prof. INGVAR SVENNILSON.
Secretary: ALLAN HELLSTRAND.
Bursar: NILS W. ÖSTRÖM.

Library: *see* Libraries.
Number of teachers: 650, including 85 professors.
Number of students: 8,961.

DEANS:

Faculty of Humanities:
Prof. ERNST SÖDERLUND (Historical-Philosophical Section).
Prof. CARL IVAR STÅHLE (Philological Section).
Faculty of Natural Sciences: Prof. OTTO FROSTMAN.
Faculty of Law: Prof. OLE WESTERBERG.

PROFESSORS:

Faculty of Humanities:
ARUMAA, PEETER (Slavonic Languages).
ARWIDSSON, GRETA (Archæology).
BERGMAN, GÖSTA (History of the Theatre).
BOALT, GUNNAR (Sociology).
BRATTÖ, OLOF (Romance Languages).
EKMAN, GÖSTA (Psychology).
GRANLUND, JOHN (Scandinavian and Comparative Ethnology).
HANNERBERG, DAVID (Cultural and Economic Geography).
HECKSCHER, GUNNAR (Political Science).
HULTKRANTZ, ÅKE (History of Religion).
HUSÉN, TORSTEN (Pedagogics).
JOHANSSON, ALF (Political Economy).
KARLGREN, BERNHARD (Sinology).
KARLING, STEN (Art History).
KORLÉN, GUSTAV (German Language).
LINDBERG, FOLKE (History).
LINDBERGER, ÖRJAN (Literary History).
LINDBLAD, GUSTAF (Scandinavian Languages).
LINNÉ, SIGVALD (General and Comparative Ethnography).
LÖFVENBERG, MATTIAS (English Language).
LUNDBERG, ERIK (Political Economy).
MALMQUIST, STEN (Statistics).
MYRDAL, GUNNAR (International Economy).
NORBERG, DAG (Latin).
OFSTAD, HARALD (Moral Philosophy).
PALME, SVEN ULRIC (History).
RYNELL, ALARIK (English Language).
SÄFLUND, GÖSTA (Classical Archæology).
SÖDERLUND, ERNST (Economic History).
STÅHLE, CARL IVAR (Scandinavian Languages).
TIGERSTEDT, EUGÈNE NAPOLEON (Comparative Literature).
TRANKELL, ARNE (Pedagogics).
TUULSE, ARMIN (History of Art).
WEDBERG, ANDERS (Theoretical Philosophy).
WESTIN, GUNNAR (History).
ÖSTLIND, ANDERS (Political Economy).
(Vacant—Business Administration.)

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Faculty of Natural Sciences:
BOLIN, BERT (Meteorology).
BRUNDIN, LARS (Entomology).
EHRENBERG, LARS (Radiation Biology).
EKSPONG, GÖSTA (Physics).
FAGERLIND, FOLKE (Botany).
FISCHER-HJALMARS, INGA (Theoretical Physics).
FROSTMAN, OTTO (Mathematics).
GAVELIN, SVEN (Mineralogy and Petrography).
GRENANDER, ULF (Actuarial Science).
HEMBERG, TORSTEN (Botany).
HESSLAND, IVAR (General and Historical Geology).
HOPPE, GUNNAR (Geography).
HÖRMANDER, LARS (Mathematics).
LAGERQVIST, ALBIN (Physics).
LINDBERG, OLOV (Experimental Zoology and Cytology).
LINDBLAD, BERTIL (Astronomy).
LÜNING, KARL GUSTAV (Genetics).
MAGNÉLI, ARNE (Chemistry).
MYRBÄCK, KARL (Chemistry).
SILÉN, LARS (Zoology).
ÖLANDER, ARNE (Chemistry).

Faculty of Law:
AGGE, IVAR (General Jurisprudence).
EEK, HILDING (International Law).
HELLNER, JAN (Insurance Law).
LJUNGMAN, SEVE (Civil Law and Financial Law).
NIAL, HÅKAN (Civil Law).
SCHMIDT, FOLKE (Civil Law).
SVENNION, INGVAR (Political Economy).
THORNSTEDT, HANS (Criminal Law).
WELAMSON, LARS (Procedure).
WESTERBERG, OLE (Constitutional and Administrative Law).
(Vacant—Financial Law, History of Law.)

Stockholm University Institute for English-Speaking Students.
Dean: Dr. N. ANDRÉN.

The International Graduate School.
Dean: Dr. N. ANDRÉN.

The Stockholm Junior Year.
Dean: Fil. mag. BENGT SVENSSON.

KUNGLIGA UNIVERSITET I UPPSALA
(Royal University of Uppsala)

UPPSALA
Telephone: 018/49120

Founded 1477

Chancellor: BENGT PETRI, LL.B.
Rector: Prof. TORGNY SEGERSTEDT, PH.D.
Vice-Rector: Prof. JOHN AXEL NANNFELDT, PH.D.
Treasurer: JAN-HARALD LÖFBERG.
Secretary: S. H. T. KIHLGREN, LL.B.
Chief Librarian: J. V. B. TÖNNES KLEBERG, PH.D.

Library: *see* Libraries.

Number of teachers: 628, including 123 professors.

Number of students: 5,985 men, 3,676 women, total 9,661.

DEANS:

Faculty of Theology: Prof. F. C. A. GYLLENKROK.
Faculty of Law: Prof. ÅKE MALMSTRÖM.
Faculty of Medicine: Prof. NILS THYRESSON.
Faculty of Arts: Prof. GUNNAR O. I. GUNNARSSON.
Historical-Philosophical Division: Prof. TORGNY SÄVE-SÖDERBERGH.
Linguistic Division: Prof. GUNNAR O. I. GUNNARSSON.
Faculty of Science: Prof. SVEN O. HÖRSTADIUS.

PROFESSORS:

Faculty of Theology:
ANDRÉN, ÅKE (Practical Theology).
ENGNELL, K. IVAN A. (Exegesis).
GÖRANSSON, SVEN L. M. G. (Church History).
GYLLENKROK, F. C. AXEL (Dogmatic and Moral Theology).
OLSSON, O. HERBERT (Ethics and Philosophy of Religion).
RIESENFELD, E. HARALD (Exegesis).
SUNDKLER, BENGT G. M. (Church History).
WIDENGREN, GEO. (History of Religions, Psychology of Religion).

Faculty of Law:
BERGSTRÖM, SVANTE B:SON (Civil Law).
EKELÖF, PER OLOF (Judicial Procedure).
HESSLER, S. HENRIK (Civil Law).
HJERNER, LARS A. E. (Administrative Law).
JÄGERSKIÖLD, S. A. F. (Public and Folk Law).
MALMSTRÖM, P. F. ÅKE (Civil and International Private Law).
MUTÉN, LEIF I. (Financial Law).
STRAHL, IVAR (Criminal Law).
(Vacant—History of Law.)

Faculty of Medicine:
ÅGREN, K. GUNNAR (Medical and Physiological Chemistry).
ASK-UPMARK, K. ERIK F. (Practice of Medicine).
BAHR, GUNNAR O. A. VON (Ophthalmology).
BÁRÁNY, ERNST H. (Pharmacology).
BERFENSTAM, RAGNAR A. G. (Social Medicine).
BJÖRK, VIKING O. (Thoracic Surgery).
BOHM, EINAR (Neurosurgery).
BÖÖK, JAN-ARVID (Medical Genetics).
EKBOM, KARL-AXEL (Neurology).
ENGFELDT, BENGT O. (Pathology).
FICHTELIUS, KARL ERIK (Histology).
FORSSMAN, HANS A. (Psychiatry).
FREY, TORSTEN S:SON (Psychiatry).
GEMZELL, CARL A. H. (Obstetrics and Gynæcology).
GRÖNWALL, ANDERS J. T. (Clinical Chemistry).
HIERTONN, TOR E. J. (Orthopædics).
HULTÉN, J. OLLE (Surgery)
HULTQUIST, GÖSTA T. (Pathology).
KNUTSSON, K. FOLKE (X-Ray Diagnosis).
LÖFSTRÖM, GUNNAR (Bacteriology).
NOHRMAN, BENGT A. (Radiotherapy).
REICHARD, PETER A. (Medical and Physiological Chemistry).
REXED, BROR A. (Anatomy).
SJÖBERG, ARNE A. (Oto-Rhino-Laryngology).
SKOOG, TORD G. (Plastic Surgery).
STRÖM, GUNNAR O. F. (Clinical Physiology).
TEORELL, E. TORSTEN A. (Physiology).
THYRESSON, NILS (Dermato-Venereology).
VAHLQUIST, BO C. (Pædiatrics).
WESSLÉN, TORE B. (Virology).
(Vacant—Child Psychiatry.)

Faculty of Arts:

I. Historical-Philosophical Division

BENGTSSON, L. INGMAR (Musicology).
BRANDELL, L. GUNNAR (Literary History).
CARLSON, SUNE L. (Business Economics and Business Finance).
CARLSSON, STEN C. O. (History).
EDSMAN, CARL MARTIN (History of Religions).
ENEQUIST, GERD M. (Geography).
FURUMARK, J. ARNE G. (Classical Archæology and Ancient History).
HEDENIUS, P. A. INGEMAR (Philosophy).
HESSLER, CARL ARVID G. (Political Science).
HILDEBRAND, KARL-GUSTAF H. (Economic History).
JOHANSSON, K. GUNNAR E. (Psychology).
LAGERCRANTZ, R. STURE (General and Comparative Ethnography).
LINDROTH, STEN H. (History of Ideas).
MARC-WOGAU, KONRAD (Philosophy).
NILSSON, SVEN A. (History).
PALANDER, TORD F. National Economy).
SÄVE-SÖDERBERGH, TORGNY (Egyptology).
SEGERSTEDT, TORGNY (Sociology).
SJÖSTRAND, B. H. WILHELM (Pedagogics).
STENBERGER, MÅRTEN K. H. (Scandinavian and Comparative Archæology).
TIDESTRÖM, L. GUNNAR G. (Literary History).
WOLD, HERMAN O. A. (Statistics).
(Vacant—Art History and Theory.)

II. Linguistic Division

DONNER, H. W. (English Language and Literature).
GUNNARSSON, GUNNAR O. I. (Slavonic Languages).
HASSELROT, C. G. BENGT B. (Romance Languages).

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HERMODSSON, LARS F. H. (German Language).
JANSSON, E. VALTER (Swedish Language).
LÖFGREN, OSCAR A. V. (Semitic Languages).
LUNDSTRÖM, SVEN G. (Latin Language and Literature).
MOBERG, LENNART A. (Swedish Language).
PALM, J. W. JONAS (Greek Language and Literature).
STÅHL, HARRY A. M. (Swedish Language).
STRÖMBACK, DAG A. (Folklore).
WICKMAN, BO N. V. (Finno-Ugric Languages).
WIKANDER, O. STIG (Sanskrit and Comparative Indo-European Philology).
(Vacant—English Language.)

Faculty of Science:
CARLESON, LENNART A. E. (Mathematics).
CLAESSON, STIG M. (Chemistry).
DOMAR, ERIK Y. (Mathematics).
FREDGA, ARNE (Chemistry).
FRIES, NILS T. E. (Botany).
HÄGG, GUNNAR (Chemistry).
HJULSTRÖM, H. FILIP (Geography).
HOLMBERG, ERIK B. (Astronomy).
HÖRSTADIUS, SVEN O. (Zoology).
JÄGERSTEN, K. GÖSTA M. (Zoology, Comparative Anatomy).
LILJEQUIST, GÖSTA H. (Meteorology).
LINDAHL, PER ERIC E. A. (Zoophysiology).
LÖWDIN, PER-OLOV (Quantum Chemistry).
MÜLLER-HILLEBRAND, G. DIETRICH (Experimental Electricity).
NANNFELDT, JOHN AXEL F. (Botany).
NYDAHL, FOLKE (Analytic Chemistry).
OHLIN, PER J. M. (Physics).
RAMBERG, HANS (Geology).
RODHE, C. O. WILHELM (Limnology).
SIEGBAHN, KAI M. B. (Physics).
SJÖRS, HUGO M. (Biology).
THORSLUND, PER A. (Geology).
TISELIUS, ARNE W. K. (Chemistry).
WALLER, IVAR (Mechanics and Mathematics).

TECHNOLOGICAL UNIVERSITIES

CHALMERS TEKNISKA HÖGSKOLA
(Chalmers University of Technology)

SVEN HULTINS GATA, GÖTEBORG S

Telephone: 81 01 00, 81 02 00

Founded 1829

Rector: Prof. LENNART RÖNNMARK.
Vice-Rector: Prof. NILS GRALÉN.
Secretary: K. R. THUN.
Treasurer: K. E. NORDWALL.

Library: *see* Libraries.
Number of teachers: 170, including 53 professors.
Number of students: 2,518 men, 117 women, total 2,635.
Publication: *Transactions of the Chalmers University of Technology.*

DEANS:

Faculty of Physics: Prof. B. HOLMBERG.
Faculty of General Science: Prof. H. BERGSTRÖM.
Faculty of Mechanical Engineering: Prof. T. EEG-OLOFSSON.
Faculty of Shipbuilding: Prof. O. FALKENDAL.
Faculty of Electrical Engineering: Prof. C. G. AURELL.
Faculty of Civil Engineering: Prof. L. RAHM.
Faculty of Chemical Engineering: Prof. E. ADLER.
Faculty of Architecture: Prof. G. HOVING.

PROFESSORS:

ADLER, ERICH (Organic Chemistry).
ASPLUND, SVEN OLOF (Theory of Construction).
AURELL, CARL-GEORG PAUL (Telecommunications).
BERGFELT, SVEN RUDOLF ALLAN (Bridge Building).
BERGSTRÖM, BROR EVERT HARALD (Mathematical Statistics).
BESKOW, GUNNAR (Geology and Mineralogy).
BROGREN, GÖSTA EGON (Physics).
BROSSET, CYRILL (Inorganic Chemistry).
EEG-OLOFSSON, TRYGGVE NATANAEL (Textile Engineering).
EKELÖF, JOHAN ADOLF AUGUST STIG (Theoretical Electrical Engineering).
ERIKSSON, ERIK R. (Highway Construction).
FALKEMO, CURT CARL HENRY (Theory of Naval Architecture).
FALKENDAL, CARL JOHAN OLOF (Marine Engineering).
FRÖSSLING, KARL GUSTAV NILS (Applied Thermodynamics and Fluid Flow).
GRALÉN, NILS GUSTAF JOSEF (Textile Chemistry).
GRANHOLM, JOHAN HJALMAR (Structural Engineering).
HAMMAR, OLOF GILLIS (Steam Engineering).
HEDSTRÖM, BENGT OLOF ARVID (Chemical Engineering Equipment).
HOLMBERG, BENGT RUDOLF (Mechanics).
HÖSSJER, KARL GUSTAF NATANAEL (Pure Mathematics).
HOVING, GUNNAR VICTOR (House-Building Technology).
HULT, JAN ALRIK HARALD (Elasticity and Strength of Materials).
JAKOBSSON, BENGT FOLKE (Machine Design).
JOHANSSON, SVEN AXEL ENOK (Physics).
KÄRRHOLM, NILS GUNNAR (Building Construction).
KNUDSEN, NIELS HERVARD (Applied Electrical Engineering).
LINDSTRÖM, SUNE ADOLF (Town Planning).
LUNDBERG, SVEN GUSTAF EDVARD (Internal Combustion Engines).
OLVING, SVEN (Electron Physics).
QVARSTRÖM, BIRGER ARTUR EMIL (Control Engineering).
RAHM, SVEN LENNART (Hydraulics).
RÖNNMARK, LENNART CARL AUGUST (Building Economics and Organisation).
ROSENBLAD, FRITZ GÖSTA (Power and Heat Technology).
RYDBECK, OLOF ERIK HANS (Electronics).
RYDBERG, H. J. A. (Nuclear Chemistry).
RYDE, NILS FRITIOF (Physics).
SAMUELSON, HANS OLOF (Technical Chemistry).
SCHJANBERG, KARL EDMUND BALTZAR (Oil Chemistry).
SJÖSTRAND, NILS GÖRAN FRITIOF (Reactor Physics).
STEMME, N. G. E. (Computing Machinery).
SVAHN, OLOV EMANUEL (Mechanical Technology).
SVARTHOLM, NILS FRIDOLF VALDEMAR (Mathematical Physics).
SVENNERUD, ANDERS RAGNAR ELIESER (Applied Shipbuilding).
WALLINDER, JAN ERIK MAGNUS (Treatment of Materials).
WALLMAN, HENRY (Applied Electronics).
WEIJMAN-HANE, GUNNAR HARALD (Water Supply and Sewage).
ZIMDAL, HELGE (Architecture).
ZWEYGBERGK, SVANTE GUSTAV ADOLF (Electrical Machinery).

KUNGL. TEKNISKA HÖGSKOLAN
(Royal Institute of Technology)

STOCKHOLM 70

Telephone: 23 65 20

Founded 1827

President: Prof. RAGNAR WOXÉN, TEKN.D.
Vice-President: Prof. FOLKE ODQVIST, FIL.D.
Secretary: FOLKE HAGSTRÖM, LL.B.

Library: *see* Libraries.
Number of teachers: 1,490, including 77 professors.
Number of students 1962/63: 3,978 men, 174 women, total 4,152.
Publication: *Kungl. Tekniska Högskolans Handlingar* (*Transactions of the Royal Institute of Technology*) (annual).

DEANS:

Department of Physics: Prof. BO KJELLBERG, TEKN.L.
Department of Mechanical Engineering: Prof. HERMAN HALLENDORFF, TEKN.L.

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Department of Aeronautics and Naval Architecture: Prof. STEN LUTHANDER.
Department of Electrical Engineering: Prof. BERTIL AGDUR, TEKN.D.
Department of Civil Engineering: Prof. ERLING REINIUS, TEKN.D.
Department of Chemical Engineering: Prof. LENNART STOCKMAN, TEKN.L.
Department of Mining and Metallurgy: Prof. MATS HILLERT.
Department of Architecture: Prof. OVE PETTERSSON, TEKN.D.
Department of Surveying: Prof. YNGVE GUSTAFSSON, AGR.D.

PROFESSORS:

Department of Physics:
BORG, GÖRAN (Mathematics I).
ERIKSSON, ADOLF (Mechanics II).
ESSEEN, CARL-GUSTAF HARALDSSON (Mathematical Statistics).
FRÖMAN, PER OLOF (Mechanics I).
VON HÁMOS, LÁSZLO (Automatic Control).
HULTHÉN, LAMEK (Mathematical Physics I).
INGELSTAM, ERIK (Physics II).
KJELLBERG, BO (Mathematics II).
LARSSON, KARL-ERIK (Reactor Physics).
LINDE, JONAS (Solid State Physics).
LINDHOLM, EINAR (Physics I).
(Vacant—Numerical Analysis, Mathematical Physics II, Photography.)

Department of Mechanical Engineering:
BOESTAD, GUSTAV (Machine Element Design).
HALLENDORFF, HERMAN (Machine Tools).
OLEDAL, MAGNUS (Hydraulic Engineering).
PIERRE, BO (Applied Thermodynamics and Refrigeration).
RYDBERG, JOHN (Heating and Ventilation).
WIDELL, TORSTEN (Steam Engineering).
WOXÉN, RAGNAR (Mechanical Technology).
(Vacant—Industrial Economics and Management, Welding Engineering, Machine Design and Construction.)

Department of Aeronautics and Naval Architecture:
ANDERSSON, BENGT (Applied Hydromechanics).
BERNDT, SUNE (High Speed Aerodynamics).
LUTHANDER, STEN (Aeronautics).
ODQVIST, FOLKE (Strength of Materials).
RAND, THORKILD (Airplane Structures).
STENEROTH, ERIK (Naval Architecture).

Department of Electrical Engineering:
AGDUR, BERTIL (Microwave Engineering)
ALFVÉN, HANNES (Plasma Physics).
FORSSELL, HARRY (Electrical Machinery).
HALLÉN, ERIK (Theoretical Electrical Engineering).
HERLOFSON, NICOLAI (Electron Physics).
RUSCK, SUNE (Applied Electrical Engineering).
(Vacant—Electric Machinery, Applied Electronics, Telecommunication Theory, Communication Networks.)

Department of Civil Engineering:
BJÖRKMAN, BO (Traffic and Transport Engineering).
BROSENIUS, HILDING (Building Technology).
HALLBERG, STEN (Road Building).
NYLANDER, HENRIK (Building Statics and Structural Engineering).
ÖSTERBERG, DAVID (Building Economics and Organisation).
REINIUS, ERLING (Hydraulics).
WÄSTLUND, GEORG (Structural Engineering and Bridge Building).

Department of Chemical Engineering:
ALLANDER, CLAES (Physical Chemistry).
ERDTMAN, HOLGER (Organic Chemistry).
MALM, LAGE (Power and Heat Technology).
RÄNBY, BENGT (Polymer Technology).
RASMUSON, ANDERS (Chemical Engineering Equipment).
SILLÉN, LARS GUNNAR (Inorganic Chemistry).
STEENBERG, BÖRJE (Paper Technology).
STELLING, OTTO (Chemical Technology).
STOCKMAN, LENNART (Cellulose Technology).
WESTERMARK, TORBJÖRN (Nuclear Chemistry).
WRANGLÉN, GÖSTA (Applied Electro-Chemistry and Corrosion).
(Vacant—Nuclear Chemistry.)

Department of Mining and Metallurgy:
BJÖRLING, GOTTHARD (Non-ferrous Metallurgy).
EKETORP, SVEN (Metallurgy of Iron and Steel).
HILLERT, MATS (Metallography).
JANELID, INGVAR (Mining and Mine Surveying).
KIHLSTEDT, PER GUDMAR (Mineral Processing).
ÖDMAN, OLOF (Mineralogy and Geology).
STRANDELL, PER-OLOF (Working of Metals).
(Vacant—Heating and Furnace Technology).

Department of Architecture:
AHLBERG, CARL FREDRIK (Town Planning R.).
AHRBOM, NILS (Architecture II S).
BROSENIUS, HILDING (Building Technology).
VON CELSING, PETER (Architecture II R).
HENRIKSSON, GUNNAR (Architecture I S).
PETTERSSON, OVE (Structural Design).
(Vacant—Architecture I R, Town Planning S.)

Department of Surveying:
BJERHAMMAR, ARNE (Geodesy).
GUSTAFSSON, YNGVE (Land Improvement and Drainage).
HALLERT, BERTIL (Photogrammetry).
LARSSON, GERHARD (Real Estate Technology).

COLLEGES AND INSTITUTES

MEDICAL COLLEGES:

Kungl. Karolinska Mediko-Kirurgiska Institutet (*Royal Caroline Medico-Surgical Institute*): Stockholm 60; f. 1810.

Rector: STEN FRIBERG.
Secretary: BENGT ERLAND FOGELBERG.
Librarian: ERIK J. KNUDTZON.

Library: *see* Libraries.
Number of teachers: 360, including 47 professors.
Number of students: about 1,200.
Publications: *Annual Report* (with list of papers published by the teaching staff of the Institute), *Curriculum, Students' Handbook.*

FULL-TIME PROFESSORS:

ADAMS-RAY, J. F. E. (Surgery).
AHNSJO, S. O. R. (Child Psychiatry).
ALSTRÖM, C. H. (Psychiatry).
BERGSTRÖM, S. K. D., (Chemistry).
BERNHARD, C. G. (Physiology).
BIORCK, C. G. W. (Medicine).
BORELL, U. S. M. (Obstetrics and Gynæcology).
CASPERSSON, T. O. (Medical Cell Research and Genetics).
CRAFOORD C. (Thoracic Surgery).
CRONHOLM, L. B. (Psychiatry).
ENGSTRÖM, A. V. (Medical Physics).
EULER-CHELPIN, U. S. VON (Physiology).
FRANKSSON, L. E. C. (Surgery).
FRIBERG, L. T. (Hygiene).
FRIBERG, S. A. (Orthopædics).
GARD, S. (Virus Research).
GOLDBERG, L. (Alcohol Research).
GRANIT, R. A. (Neuro-Physiology).
GUSTAFSSON, B. E. (Germ-Free Research).
HAMBERGER, C. A. (Oto-Rhino-Laryngology).
HELLERSTRÖM, S. C. A. (Dermatology and Venereology).
HILLARP, N. A. (Histology).

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HULTBERG, S. V. (Radiotherapy).
INGELMAN-SUNDBERG, A. G. I. (Obstetrics and Gynæcology).
INGHE, P. G. (Social Medicine).
KARPE, G. (Ophthalmology).
KLEIN, G. (Tumour-Biology).
KUGELBERG, E. K. H. (Neurology).
LAGERLÖF, H. O. (Medicine).
LEKSELL, G. F. (Neuro-Surgery).
LIND, J. (Pædiatrics).
LINDBLOM, K. G. J. (X-Ray Diagnostics).
LINDGREN, E. A. M. (X-ray Diagnostics and Neuro-Radiology).
LUFT, R. (Endocrinology).
MALMGREN, B. R. (Bacteriology).
NILZÉN, Å. (Clinical Dermatological Allergology).
PETRÉN, T. E. A. (Anatomy).
RINGERTZ, N. O. E. (Pathology and Pathological Anatomy).
RYLANDER, C. G. (Forensic Psychiatry).
SANTESSON, L. J. H. (Radiopathology)
SIEVERT, R. M. (Radiophysics).
SJÖSTRAND, O. T. (Clinical Physiology).
SJÖVALL, H. J. (Forensic Medicine).
THEORELL, A. H. T. (Biochemistry).
THORELL, B. G. (Pathology).
UVNAS, B K. M. (Pharmacology).
ZETTERSTRÖM, R. O. F. (Pædiatrics).

Tandläkarhögskolan i Malmö (*Royal Dental School of Malmö*): f. 1947.

Rector: Prof. SVEN SELLMAN.
Treasurer. GERT C. J. EHNBOM.

Number of teachers: 6 professors, 7 associate professors.
Number of students: 500.

Connected with the School are training schools for dental technicians and nurses.

PROFESSORS:

BJÖRN, K. H. (Dental Surgery).
NYQUIST, G. W. O. (Prosthetic Dentistry).
OMNELL, K. A. (Radiology).
SEIPEL, C. G. M. (Dental Orthopædics).
SELLMAN, S. P. H. (Caries Research).
SYRRIST, A. (Pedodontics).

Kungl. Tandläkarhögskolan i Stockholm (*Royal School of Dentistry in Stockholm*): Holländargatan 17; f. 1898.

Dean: Prof. ANDERS LUNDSTRÖM.
Secretaries: B. FOGELBERG, J.K., and J. SVERNE, J.K.
Librarian: Mrs. M. HAGÅRD.

Number of volumes: 9,000.
Number of teachers: 150.
Number of students: 500.

Connected with the School are Institutes for dental technicians and nurses.

PROFESSORS:

ERICSSON, Y. (Cariology).
FORSBERG, A. (Dental Roentgenology).
HEDEGÅRD, B. (Prosthetics).
HERTZ, J. (Oral Surgery).
LUNDSTRÖM, A. (Orthodontics).
WELANDER, E. (Pedodontics).

Kungl. Tandläkarhögskolan i Umeå (*Royal School of Dentistry in Umeå*): Umeå; f. 1963.

Dean: Prof. LENNART LYSELL.
Secretary: (Vacant).

Number of teachers: 95.
Number of students: 300.

Connected with the School are Institutes for dental technicians and nurses.

PROFESSORS:

ARWILL, T. (Histopathology).
AXELSSON, B. (Technology).
LYSELL, L. (Orthodontics).
STRÅLFORS, A. (Cariology).
SÖREMARK, R. (Prosthetics).
THILANDER, H. (Oral Surgery).

Kungl. Farmaceutiska Institutet (*Royal Pharmaceutical Institute*): Kungstensgatan 49, Stockholm; f. 1837.

Rector: Prof. HÅKAN RYDIN.
Secretary: LARS BYBERGER.

Number of teachers: 34, including 4 professors.
Number of students: 600.

PROFESSORS:

DALHBOM, J. R. (Chemistry).
RYDIN, H. (Pharmacology and Toxicology).
SANDBERG, F. (Pharmacognosy).
SANDELL, E. (Galenic Pharmacy).

Kungl. Veterinärhögskolan (*Royal Veterinary College of Sweden*): Stockholm 50; f. 1821.

Rector: Prof. CARL G. SCHMITERLÖW.
Secretary: STELLAN BRATT.
Librarian: A. MARGARETA ÅKESSON.

Number of volumes: 85,000.
Number of teachers: 63, including 12 professors.
Number of students: 263.

Publications: *Collected Papers* (annually), *Catalogue, Students' Handbook.*

PROFESSORS:

ÅKERBLOM, E. N. (Hoof Diseases, Farriery, Study of Herds)
BANE, B. A. W. (Obstetrics and Gynæcology).
DYRENDAHL, S. E. L. (Breeding Biology and Hygiene of Domestic Animals).
HEDSTRÖM, H. V. (Bacteriology and Epizoology).
HOFLUND, A. S. (Medicine for Ruminants).
LANNEK, N. G. V. (Medicine for Non-Ruminants
LILLEENGEN, K. (Foodstuff Hygiene).
NICANDER, L. V. (Anatomy and Histology).
OBEL, N. J. (Surgery).
RUBARTH, C. S. (Pathological Anatomy).
SCHMITERLÖW, C. G. (Pharmacology).
ZOTTERMAN, G. Y. (Physiology).

AGRICULTURAL COLLEGES:

Lantbrukshögskolan (*Royal Agricultural College of Sweden*): Uppsala 7; f. 1932.

Rector: LENNART HJELM, AGR.D.
Vice-Rector: BÖRJE ÅBERG, PH.D.
Superintendent of Agricultural Experiments: GUNNAR PETTERSSON.
Financial Superintendent: SVEN ROS, LL.B.
Secretary: RAGNAR WIDÉN.
Comptroller: (Vacant).
Secretary of the Professors' Council: INEZ JOHNSSON.

Number of teachers: 60, including 19 professors.
Number of students: 258 men, 39 women, total 297.

Publications: *Lantbrukshögskolans Annaler* (annual), *Lantbrukshögskolans meddelanden serie A och B, Aktuellt från Lantbrukshögskolan.*

PROFESSORS:

ÅBERG, A. EWERT (Plant Husbandry).
ÅBERG, K. V. BÖRJE (Plant Physiology).
BJÖRLING, KARL J. E. (Plant Pathology).
ERIKSSON, S. STURE (Animal Nutrition).
HALLGREN, E. GUNNAR (Agricultural Hydrotechnics).
HANSSON, N. E. ARTUR (Animal Breeding).
HARALDSON, ÅKE (Farm Mechanisation).
HEINONEN, REIJO (Soil Management).
HELLSTRÖM, E. NILS E. (Organic Chemistry and Biochemistry).

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HJELM, K. G. LENNART (Agricultural Economics).
JANSSON, SVEN L. H. (Soil Fertility).
LINDQVIST, F. INGVAR (Inorganic Chemistry).
MACKEY, JAMES F. (Plant Breeding).
NILSSON, N. RAGNAR (Microbiology).
NORDFELDT, SAMUEL B. N. (Animal Husbandry).
SPERBER, H. IVAR W. (Animal Physiology).
SVARDSTRÖM, KARL-FREDRIK (Agricultural Marketing).
WIKLANDER, J. LAMBERT (Pedology).
(Vacant—Genetics.)

Alnarps Lantbruks-, Mejeri- och Trädgårdsinstitut (*Alnarp Agricultural Dairy and Horticultural Institute*): Alnarp; f. 1862.

Rector: (Vacant).

Secretary: HARALD JEPPSSON.

Number of teachers: 21, including 3 professors.
Number of students: 205 men, 5 women, total 210.
Publication: *Milk and Dairy Research Report.*

PROFESSORS:

SJÖSTRÖM, C. GUNNAR E. (Dairy Chemistry and Bacteriology).
SWARTLING, PER F. (Dairy Research).
THOMÉ, KARL ERIK (Dairy Technology).

Kungl. Skogshögskolan (*The Royal School of Forestry*): Stockholm 51; f. 1828.

Rector: Prof. ERIK HAGBERG.

Vice-Rector: Prof. ÅKE GUSTAFSSON.

Registrars: ALF ALLARD, EINAR FALCK.

Library: *see* "Skogsbiblioteket".
Number of teachers: 50, including 16 professors.
Number of students: 145 undergraduate, 38 graduate.
Publication: *Studia Forestalia Suedica* (irregular).

PROFESSORS:

BJÖRKMAN, ERIK (Forest Botany).
BUTOVITSCH, VICTOR (Forest Entomology).
CARBONNIER, CHARLES (Forest Yield Research).
EKLUND, BO (Forest Mensuration and Management).
GUSTAFSSON, ÅKE (Forest Genetics).
HAGBERG, ERIK (Forest Economics) (Rector).
HUSS, EINAR (Reforestation).
MATÉRN, BERTIL (Forest Biometry).
NORDSTRÖM, LENNART (Silviculture).
NOTINI, GÖSTA (Forest Zoology).
NYLINDER, PER (Forest Products).
STAAF, ANDERS (Operational Efficiency I) (acting).
STRIDSBERG, EINAR (Forest Economy) (acting).
SUNDBERG, ULF (Operational Efficiency).
TAMM, CARL OLOF (Forest Ecology).
TROEDSSON, TRYGGVE (Forest Soils).
(Vacant—Forest Surveys).

SCHOOL OF ECONOMICS:

Handelshögskolan i Stockholm (*Stockholm School of Economics*): Sveavagen 65, Stockholm Va.; f. 1909.

Rector: Prof. KNUT RODHE.

Secretary: LENNART BONDESON.

Librarian: HANS BAUDE.

Number of teachers: 46, including 12 professors.

PROFESSORS:

ARPI, G. (Economic Geography).
BENTZEL, R. (Economics).
DAHMÉN, E. (Economics, Economic and Social History).
GÅRDLUND, T. W. (Economics).
JOHANSSON, S.-E. (Business Economics).
KRISTENSSON, F. (Business Economics).
OHLIN, B. G. (Economics).
PAULSSON FRENCKNER, T. (Business Economics).
RODHE, K. (Legal Science).
THORBURN, T. (Business Economics).
WESTERLUND, G. (Social Psychology with Personal Administration).
WILLIAM-OLSSON, W. F. (Economic Geography).

Affiliated Institutes:

Företagsekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Business Research Institute at the Stockholm School of Economics*): Sveavagen 65, Stockholm; f. 1929; scientific research in business administration, marketing and planning; 25 research fellows, 10 secs.; library in common with the School of Economics; Dir. Prof. PAULSSON FRENCKNER; publ. *Meddelanden från FFI* (Results of Scientific Investigations); all publs. in Swedish contain summaries in English.

Handelshögskolan i Göteborg (*The Gothenburg School of Economics and Business Administration*): Vasagatan 3, Göteborg; f. 1920.

Rector: Prof. KURT GRÖNFORS.

Secretary: PER-AXEL BÄCKNER.

Librarian: TYRA VALLIN.

PROFESSORS:

AF TROLLE, U. (Business Administration).
DAHL, S. G. (Economic Geography).
DICKSON, H. A. E. (Social Economics).
GRÖNFORS, K. G. W. (Legal Science).
TER VEHN, A. H. (Business Administration).

Institute of Economic History: Tegnérlunden 10, Stockholm Va.

Ibero-American Library and Institute: Stockholm School of Economics, Odengatan 61, Stockholm VA; f. 1951; library, information, courses, research; Dir. Dr. MAGNUS MÖRNER; publ. *Memorias* (every second year), monographies.

SCHOOLS OF SOCIAL SCIENCE:

Socialinstitutet i Stockholm (*The Stockholm School of Social and Local Government Administration*): Hagagatan 25, Stockholm; f. 1920.

Rector: Docent HANS MEIJER.

Secretary: Mrs. INGER ÖRTEGREN.

Social Work Division: Miss MARJA ALMQVIST.

Social and Local Government Administration Division and Public Finance Division: GUSTAF LUNDBERG.

Socialinstitutet i Göteborg (*School of Social Work and Municipal Administration*): f. 1944.

Rector: ARNE WÅHLSTRAND, DR.PHIL.

Socialinstitutet i Lund (*School of Social Work*): Lund; f. 1947.

Director: Dr. PAUL LINDBLOM.

COMMERCIAL COLLEGE

Stockholms stad handelsgymnasium, Frans Schartaus handelsinstitut: Stigbergsgatan 26, Stockholm SÖ; f. 1865.

Principal: P. A. RAYMOND SCHÖTT.

Number of teachers: about 40.
Number of students: 475 day, 125 evening, total 600.

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COLLEGE OF PRINTING

Grafiska Institutet (*Graphic Institute*): Valhallavägen 191, Stockholm; f. 1944; college education for the printing industry; includes a school of advertising; Pres. BROR ZACHRISSON; Librarian LEO OSTRAT; Sec. JANE OHLSÉN; Chair. of Board of Trustees UNO WILLERS; publs. *Skriftserie, Handböcker i Offset, Calamus, Grafiska Uppsatser.*

SCHOOLS OF ART AND MUSIC

Kungl. Musikhögskolan (*Royal College of Music*): Valhallavägen 103, Stockholm NO; f. 1771; under supervision of Kungl. Musikaliska Akademien.

Principal: Prof. BERTIL CARLBERG.

Number of teachers: 77, including 65 professors.
Number of students: 256 men, 137 women, total 393.

Publication: *Year Book.*

Kungl. Konsthögskolan (*Royal Academy Art School*): supervised by the Royal Academy of Fine Arts; Fredsgatan 12, Stockholm; f. 1735.

Director: Prof. HANS BRUNNBERG.

Secretary: Prof. STEN KARLING, FIL.DR.

Librarian: ROLF SÖDERBERG, FIL.LIC.

Number of students: 147.

Publications: *Kungl. Konsthögskolan, Timplan; Kungl. Konsthögskolan, Elevkatalog.*

PROFESSORS:

ANDERSSON, T. (Painting).
ARLE, A. (Sculpture).
BRUNNBERG, H. (Architecture).
JONES, A. (Sculpture).
LINDAHL, G. (History of Swedish Architecture, Comparative Architectural History).
LUNDQUIST, E. (Painting).
MARKLUND, B. (Drawing).
NYMAN, O. (Painting).
RODHE, L. (Painting).
VON SCHANTZ, PH. (Graphic Arts).

Konstfackskolan (*Swedish State School of Arts, Crafts and Design*): Valhallavägen 191, Stockholm 27; f. 1844.

Principal: ÅKE STAVENOW, PH.D.

Headmaster of the Training College for Art Teachers: RUDOLF HÅRDE.

Number of teachers: 105.
Number of students: 1,100.

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SWITZERLAND

Population 5,429,061

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agriculture

Stations fédérales d'Essais Agricoles: Division d'Agriculture, Laupenstrasse 25, Berne; Dir. Walter Clavadetscher. The centre for federal agricultural research, which is carried out by the following *Stations Agronomiques Fédérales:*

Station d'Essais Agricoles: Oerlikon, Zürich; Dir. Dr. R. Salzmann.

Stations d'Essais Agricoles: Montagibert, Lausanne; Dir. Dr. R. Gallay.

Station de Chimie Agricole: Liebefeld, Berne; Dir. Dr. L. Gisiger.

Station fédérale de laiterie: Liebefeld, Berne; Dir. Dr. P. Kästli.

Station d'Arboriculture, de Viticulture et d'Horticulture: Wädenswil; Dir. Dr. R. Fritzsche.

Administration du domaine et station fédérale d'essais agricoles: Liebefeld, Berne; Dir. H. Gutknecht.

Antiquities, Archæology, History

Antiquarische Gesellschaft: Schweizerisches Landesmuseum, Zürich; f. 1832; 530 mems.; Pres. Prof. Dr. P. Kläui; Actuary Dr. H. C. Peyer; Sec. Paul Früh; publs. *Mitteilungen der Antiquar. Gesellschaft, Urkundenbuch der Stadt und Landschaft Zürich.*

Historische und Antiquarische Gesellschaft zu Basel: Universitätsbibliothek, Schönbeinstrasse 20, Basle; f. 1836; 500 mems.; library contains 13,000 vols.; Pres. Dr. Eduard Sieber; Sec. Dr. Andreas Staehelin; publ *Basler Zeitschrift für Geschichte und Altertumskunde.*

Société d'Histoire de la Suisse Romande: University Library, Palais de Rumine, Lausanne; f. 1837; 400 mems.; Pres. Andre Donnet; Sec. Gustave Vaucher; publs. memoirs and documents.

Société d'Histoire et d'Archéologie: c/o Bibliothèque Publ. et Universit., Geneva; f. 1838; 300 mems.; library contains 10,000 vols., 1,000 MSS.; Pres. Miss Chr. Dunant; Sec. Waltes Zurbuchen; publs. *Bulletin* (annual), *Mémoires et Documents.*

Société Générale suisse d'histoire: Berne, Bibliothèque de la Ville; f. 1841; 880 mems.; Pres. Prof. Dr. O. Vasella; publ. *Revue Suisse d'Histoire.*

Société vaudoise d'histoire et d'archéologie: Archives Cantonales, 47 rue du Maupas, Lausanne; f. 1902; 650 mems.; Pres. Prof. Ernest Giddeley; publ. *Revue historique vaudoise* (quarterly).

Architecture

Bund Schweizer Architekten-Fédération des Architectes Suisses: Selnaustrasse 16, Zürich; 286 mems.; Pres. A. Camenzind; Sec. Hans Von Meyenburg; publs. *Schweizer Baukatalog, Werk.*

Société Suisse des Ingénieurs et des Architectes: Beethovenstrasse 1, Zürich 2; f. 1837; 5,700 mems.; Pres. A. Rivoire; Sec.-Gen. G. Wüstemann; publs. *Schweizerische Bauzeitung, Bulletin technique de la Suisse romande, Rivista tecnica della Svizzera italiana, Bulletin S.I.A.*

Arts

Association Syndicale des Peintres, Sculpteurs, Dessinateurs et Artisans d'Art de Genève: Musée Rath, 14 rue Etienne Dumont, Geneva; Pres. Louis Schwaiger; Sec. Charles Fontanez.

Gesellschaft für Schweizerische Kunstgeschichte: Schwanengasse 4, Bern, and Steinenberg 6, Basle; f. 1880; 8,200 mems.; Pres. Prof. Dr. Hans R. Hahnloser; Chief Editor Dr. Ernst Murbach; publs. *Die Kunstdenkmäler der Schweiz* (48 vols.), *Schweiz. Kunstführer* (5 series), *Mitteilungsblatt "Unsere Kunstdenkmäler"* (14 vols.).

Gesellschaft Schweizerischer Maler Bildhauer und Architekten-Société des Peintres, Sculpteurs et Architectes Suisses: 8 Hirschengraben, Berne; f. 1865; 723 mems.; Pres. Marcel Perincioli (Berne); Vice-Pres. Aldo Patocchi (Cassarate); Sec. Peter Kaser (Berne); publs. *Schweizer Kunst, Art Suisse.*

Schweizerischer Künstlerbund—Fédération Suisse des Artistes: Herzogstrasse 11, Zürich; f. 1926; Pres. Georges Keller.

Schweizerischer Werkbund: Bahnhofstrasse 16, Zürich; f. 1913; 620 mems.; Dir. A. Altherr; publ. *Werk* (monthly).

Société Académique: Université de Neuchâtel, Neuchâtel; f. 1889; 246 mems.; Pres. Raymond Jeanpretre; Vice-Pres. Georges Meautis; Treas. Jean V. Degoumois; Sec. Felix Fiala.

Société des Arts: Athénée, Geneva; f. 1776; 1,400 mems.; Pres. Eugene Nussbaum.

Société des Femmes Peintres, Sculpteurs et Décorateurs: Unionstrasse 7, Zürich 32; f. 1903; 480 mems.; Pres. Trudy Egender; Sec. Genevieve Seippel.

Verband Schweizerischer Grafiker: Chorgasse 18, Zürich 1; f. 1938; 200 mems.; Pres. Hans Neuburg.

Wirtschaftsbund bildender Künstler: 8 Auf der Mauer, Zürich; f. 1933; 140 mems.; Sec. Wa. Ka. Buchmann; publ. *Mitteilungen des Wirtschaftsbundes bildender Künstler.*

Biology, Horticulture, Natural Sciences

Bernische Botanische Gesellschaft: Berne; f. 1918; 130 mems.; Pres. Prof. Dr. M. Welten; Sec. Dr. Heinr. Frey.

Commission pour l'Encouragement des Recherches Scientifiques: Rue Fédérale 8, Berne; f. 1944; state subsidised to promote research work; Pres. Fritz Hummler; Sec. Hp. Brenner.

Institut et Jardin Botaniques de l'Université: Berne; f. 1862; **Institut de Recherches:** f. 1951; microbiology and plant physiology; section on systematics, geo-botany, pollen analysis; Dir. Prof. W. H. Schopfer; Vice-Dir. Prof. M. Welten; publs. Annual Report, list of scientific publications.

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Institut et Jardin Botaniques de l'Université: 6 Schönbeinstrasse, Basle; f. 1588; contains a herbarium comprising the collection of C. Bauhin (1576-1624), and others of the 17th and 18th centuries; Dir. Prof. Dr. MAX GEIGER-HUBER.

Naturforschende Gesellschaft Basel: Universitäts-Bibliothek, Basle; f. 1817; 430 mems.; library contains 45,520 vols.; Pres. Prof. Dr. E. BAUMGARTNER; Sec. Dr. ALCIDE GERBER; publ. *Verhandlungen der Naturforschenden Gesellschaft* (twice yearly).

Naturforschende Gesellschaft in Zürich: 15 Fehrenstrasse, Zürich; f. 1746; 1,150 mems.; Editor Dr. E. A. THOMAS; publ. *Vierteljahrsschrift* (quarterly).

Physikische Gesellschaft Zürich: Gloriastrasse 35, Zürich; f. 1887; Pres. Prof. Dr. R. WIDERÖE; Sec. Prof. Dr. H. GRÄNICHER.

Schweizerische Botanische Gesellschaft: Institut für Spezielle Botanik der Eidgenössische Technische Hochschule, Universitätstrasse 2, Zürich; f. 1890; 450 mems.; Pres. Prof. Dr. C. FAVARGER; Sec. E. GÄUMANN; publ. *Berichte der Schweizerischen Botanischen Gesellschaft.*

Schweizerische Entomologische Gesellschaft: f. 1858; 209 mems.; Pres. Dr.Phil. R. WIESMANN, Wilhelm-Denz-Str. 52, Binningen, Basle; Sec. Dr. W. MEIER; publ. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*; Library and Exchange Agency: Library of the Swiss Institute of Technology, Leonhardstrasse 33, Zürich.

Schweizerische Stiftung für Alpine Forschungen: 10 Mythenquai, Zürich; f. 1939; Pres. KARL WEBER; Sec. ERNST FEUZ; publs. *Journal, The Mountain World, Berge der Welt*, Vols. I-XII.

Société Paléontologique Suisse: Peter-Rot-Strasse 106, Basle; 130 mems.; Pres. Dr. A. SCHNORF; Sec. and Treas. Dr. H. SCHAEFER.

Jungfraujoch Scientific Station: *see under* Section "Meteorology, Astronomy, Observatories".

Société de Physique et d'Histoire Naturelle: Muséum, Bastions, Geneva; f. 1790; 112 mems.; Pres. AUG. LOMBARD; Sec. E. LANTERNO; publs. *Archives des sciences, Mémoires.*

Société Vaudoise des Sciences Naturelles: Palais de Rumine, Lausanne; f. 1815; 480 mems.; 800 periodicals in the library reading-room; Sec. Mlle BOUET; publs. *Bulletin, Mémoires.*

Société Helvétique des Sciences Naturelles: Anatomisches Institut der Universität, Gloriastrasse 19, Zürich; f. 1815; Pres. Prof. Dr. G. TÖNDURY.

GEOGRAPHY, ETHNOGRAPHY

Geographisch-Ethnographische Gesellschaft: Freiestrasse 30, Zürich 32; f. 1889; 450 mems.; Pres. Dr. H. BOESCH; Sec. Dr. K. SUTER; publs. *Mitteilungen 1899-1945, Geographica Helvetica.*

Geographisch-Ethnologische Gesellschaft Basel: Klingelbergstrasse 16, Basel; f. 1923; 530 mems.; Pres. Prof. Dr. C. A. SCHMITZ; Sec. G. BIENZ; publs. *Regio Basiliensis* (six-monthly), *Basler Beiträge zur Geographie und Ethnologie* (irregular).

Geographische Gesellschaft: Berne; f. 1873; 270 mems.; Pres. Dr. W. KUHN, Thunstrasse 36; Sec. M. HOHL; publ. *Jahresbericht der Geographischen Gesellschaft Bern.*

Société de Géographie de Genève: Athénée, Geneva; f. 1858; 300 mems.; Pres. G. LOBSIGER; Sec. PH. DUBOIS; publ. *Le Globe.*

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Rämistrasse 34, Zürich 1; Rep. W. J. PERRYMAN.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Florastrasse 7, Zürich; Dir. Prof. PAOLO SOLDATI.

LITERATURE, LIBRARIANSHIP

Fondation Schiller Suisse: Stadthausquai 5, Zürich; f. 1905; 2,000 mems.; Pres. Dr. H. WEILENMANN; Vice-Pres. Dr. JACQUES MERCANTON; publ. *Jahresbericht.*

Gesellschaft für deutsche Sprache und Literatur in Zürich: Böndlerstrasse 61, Kilchberg, Zürich; f. 1894; 154 mems.; Pres. Prof. Dr. ERNST RISCH; Sec. Dr. IRMA VOSER-HOESLI.

Basle Centre of the International P.E.N.: 186 Reservoirstrasse, Basle; f. 1932; 152 mems.; Pres. Prof. Dr. WALTER MUSCHG; Sec. HANS MOHLER; publ. *Annals.*

Mechanlizenz (*Swiss Society for Mechanical Rights*): 38 General Guisan-Quai, Zürich; f. 1923; 1,400 mems.; Pres. HEINRICH SUTERMEISTER; publ. *Schweizerische Musikzeitung* (bi-monthly).

Schweizerische Bibliophilen-Gesellschaft: 33 Leonhardstrasse, Zürich; f. 1921; 700 mems.; Pres. Dr. PAUL SCHERRER; publs. *Stultifera Navis* 44-57, *Librarium* 58-.

Schweizerische Gesellschaft der Urheber und Verleger, "Suisa" (*Swiss Association of Authors and Publishers*): 38 General Guisan-Quai, Zürich; f. 1924; 2,000 mems.; Pres. CARLO HEMMERLING; Dir. Dr. U. UCHTENHAGEN; publs. *Schweizerische Musikzeitung* (bi-monthly).

Schweizerischer Schriftsteller-Verein (*Society of Swiss Writers*): 25 Kirchgasse, Zürich; f. 1912; 500 mems.; Sec. Dr. FRANZ W. BEIDLER.

Società Retorumantscha: c/o Dr. A. Schorta, Coire/Grisons; f. 1870; approx. 600 mems.; Pres. Dr. NICOLA GAUDENZ.

Vereinigung Schweizerischer Bibliothekare (*Association of Swiss Librarians*): Pres. Dr. L. ALTERMATT, Zentralbibliothek, Solothurn.

MEDICINE

Institut Sérothérapique et Vaccinal Suisse: 79 Rehhagstrasse, Berne; f. 1898; Dir. E. CARDINAUX.

Schweizerische Akademie der Medizinischen Wissenschaften: 13 Petersplatz 2, Basle; f. 1943; 44 mems.; Pres. Dr. W. LÖFFLER; Sec.-Gen. Prof. Dr. A. GIGON; publs. *Bulletin der Schweiz. Akademie der medizinischen Wissenschaften, Bibliographia medica Helvetica.*

Schweizerische Gesellschaft für Balneologie und Klimatologie: f. 1902; 120 mems.; Pres. Dr. M. S. MEIER (Zürich and Vulpera); Sec. Dr. ZINN (Ragaz); publ. *Annalen.*

Schweizerische Gesellschaft für Geschichte der Medizin und der Naturwissenschaften: Berne; Pres. Prof. Dr. W. H. SCHOPFER; Sec. Prof. Dr. Med. HANS FISCHER, Zürich; publ. *Gesnerus* (quarterly).

Schweizerisches Forschungsinstitut für Hochgebirgsklima und Medizin: Davos; Dirs. Dr. Phil. E. SORKIN, P.D., Dr. Phil. W. MÖRIKOFER, P.D.

Schweizerisches Tropeninstitut (STI): Basle; f. 1943; Dir. Prof. R. GEIGY; publ. *Acta Tropica.*

Société Suisse de Pharmacie: 37 Sihlstrasse, Zürich; f. 1843; 1,491 mems.; Sec. Dr. J. BIDER; publ. *Schweizerische Apothekerzeitung, Pharmaceutica Acta Helvetiae.*

Swiss Neurological Society: Zürichbergstrasse 88, Zürich.

METEOROLOGY, ASTRONOMY, OBSERVATORIES

Astrophysical Observatory: Arosa-Tschuggen; f. 1939; Dir. Prof. Dr. M. WALDMEIER.

Jungfraujoch Scientific Station: Secretariat, Bühlplatz 5, Berne; f. 1930; high-altitude research in astronomy,

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astrophysics, botany, geology, glaciology, hydrology, medicine, meteorology, physics and zoology; international foundation by scientific organisations of Austria, Belgium, France, Germany, Great Britain, Switzerland; Pres. Prof. A. von Muralt; Asst. Dr. P. von Tavel; Treas. Dir. M. Häni; publ. *Review on Activity* (every five years).

Observatoire: Geneva; f. 1772; Dir. Prof. M. Golay; Astronomer Dr. P. B. Bouvier; Associate Astronomer Miss J. Ruche; publ. reports.

Observatoire Cantonal: Neuchâtel; f. 1858; library contains 100,000 vols.; astronomical time service; chronometry department; Dir. J. Bonanomi; publs. time service bulletins, annual reports.

Observatoire Fédéral: 25 Schmelzbergstrasse, Zürich 6; f. 1864; Dir. Prof. Dr. M. Waldmeier; publs. *Astronomische Mitteilungen, Publikationen, Quarterly Bulletin on Solar Activity, Report* (annual).

Observatoire Flammarion: Lucerne; Dir. Dr. E. de Krudy.

Schweizerische Meteorologische Zentralanstalt: Zürich; f. 1864; Dir. Prof. Dr. h.c. Jean Lugeon.

Specola Solare dell' Osservatorio Astronomico Federale: Locarno-Monti; f. 1957; Dir. Prof. Dr. M. Waldmeier.

Music

Société Suisse de Pédagogie Musicale: Sophienstr. 6, Zürich; f. 1893; 1,600 mems.; Pres. and Sec. Otto Uhlmann.

Schweizerische Musikforschende Gesellschaft: 25 Passwangstrasse, Basle; f. 1916; 350 mems.; Pres. Dr. Ernst Mohr; Sec. Dr. Hans P. Schanzlin, Basle.

Schweizerischer Musikerverband: Talacker 35, Zürich; f. 1914; an organisation of Swiss professional musicians; branches in 9 localities; 1,350 mems.; Pres. A. Dallo; Sec. Dr. V. Hauser; publ. *Schweizer Musikerblatt* (monthly).

Schweizerischer Tonkünstlerverein—Association des Musiciens Suisses: Avenue du Grammont 11 *bis*, Lausanne; f. 1900; 500 mems.; Pres. Paul Müller-Zürich; Sec. Jean Henneberger; publ. *Schweizerische Musikzeitung* (bi-monthly review).

General

Association Suisse de Science Politique (*Swiss Political Science Association*): Case Genève 21 Sécheron; f. 1959; 200 mems.; Pres. Prof. R. Ruffieux; Exec. Sec. Y. Collart.

Betriebspädagogisches Institut (*Institute of Industrial Pedagogy*): Obere Mühlemattstrasse 55, Zofingen; f. 1961; for consultation and training of managers and staff mems. in human and organisational integration, in problems of industrial development, etc.; Dir. Dr. W. Brokerhof.

Central Office of the Swiss Universities: Sonneggstrasse 26, Zürich 6; f. 1920 as Swiss Central University Office; reorganised 1945; information service on Swiss and foreign universities, university teacher and student exchange, secretariat of the Conference of Swiss University Rectors and of the Federal Committee for Scholarships to Foreign Students; Dir. Dr. Andreas Miller.

Information Centre for Educational Matters: Palais Wilson, Geneva; f. 1962; to inform Swiss and foreign services on questions relative to teaching and education in Switzerland and also on scholarships.

Institut Africain de Genève: 2-4 route de Drize, Carouge-Genève; f. 1960; lectures on African geography, history, culture, economic and sociological problems; introductory and advanced seminars, research, training programmes in private and public administration; social activities; Dir. Pierre Bungener; Sec. Albrecht Schroeder; 11 teachers; library; publs. *Geneva-Africa* (quarterly).

Institut National Genevois: rue de l'Athénée 42, Geneva; f. 1853; 600 mems.; Pres. A. Jentzer; Sec.-Gen. Paul Desbaumes; consists of Natural Science and Mathematics Section (Pres. Dr. G. Nicolas), Moral and Political Sciences, Archæology and History Section (Max Hochstaetter), Literary Section (Pres. Th. Brutsch), Industry and Agriculture Section (P. Ardizio), Fine Arts Section (Pres. J. Chomel); publs. *Memoirs* and *Bulletin*.

Neue Helvetische Gesellschaft: Alpenstrasse 26; Berne; Man. Dr. Hans J. Halbheer.

Schweizer Heimatschutz: Postfach, Zürich 23; Pres. Staatsanwalt Arist Rollier; publ. *Heimatschutz* French and German, quarterly).

Schweizerische Trachtenvereinigung: Heimethuus, Zürich; f. 1926; Pres. Staatskanzler R. Binz; publ. *Heimatleben* (French edition: *Costumes et Coutumes* (3 a year)).

Stiftung Pro Helvetia (*Pro Helvetia Foundation*): 22 Hirschengraben, Zürich 1; f. 1939 for the promotion of cultural life in Switzerland, including exchanges between the linguistic regions of the country; supplies information on Swiss cultural activities to foreign enquirers and maintains a special Foreign Press Service for Science and the Arts (22 Hirschengraben, Zürich 1, Manager Dr. Carl Doka) for this purpose; the Swiss Federal Council appoints the President and the 25 mems. of the Council of Foundation; Pres. J.-R. de Salis, ph.d.; Sec.-Gen. Luc Boissonnas.

Stiftung zur Förderung der mathematischen Wissenschaften in der Schweiz (*Foundation for the Promotion of Mathematical Sciences in Switzerland*): Genferstrasse 3, Zürich; publ. *Veroffentlichung der "Commentarii Mathematici Helvetici"*.

Swiss-American Society for Cultural Relations: f. 1942; lectures on cultural subjects; Pres. Dr. Urs Schwarz, c/o Neue Zürcher Zeitung, Falkenstrasse 11, Zürich 1; Sec. Dr. Emil Frick; mems. 400; publ. *Handbook*.

Swiss National Science Foundation: Wildhainweg 20, Berne; f. 1952 for the encouragement of research in the social, legal, economic, natural and medical sciences, humanities and technology; has a Council of Foundation, on which the Government, the universities and other cultural institutions are represented, and a National Research Council, consisting entirely of scientists; Pres. of the Council of Foundation Prof. A. Labhardt; Pres. of the National Research Council Prof. Alexander von Muralt; Sec. Dr. C. Lang.

LIBRARIES AND ARCHIVES

Allgemeine Bibliotheken: 24 Gerbergasse, Basle; f. 1807; 9 branch libraries; 37,000 vols.; Dir. Peter Marti.

Bibliothek des Museums für Völkerkunde: Augustinergasse 2, Basle; 15,000 vols. on ethnography of the world; Librarian Prof. Dr. C. A. Schmitz.

Öffentliche Bibliothek der Universität Basel (*Public University Library*): 20 Schönbeinstrasse, Basle; f. 1460; 1,725,000 vols.; scientific works, special collections of MSS., incunabula, maps, portraits; Pres. of Library Commission Prof. Harald Fuchs; Chief Librarian Christoph Vischer, ph.d.; publs. *Bericht über die Verwaltung der Öffentlichen Bibliothek der Universität Basel, Jahresverzeichnis der Schweizerischen Hochschulschriften, Die mittelalterlichen Handschriften der Universitätsbibliothek Basel.*

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Schweizerisches Wirtschaftsarchiv—Archives Economiques Suisses: Kollegienhaus der Universität, Petersgraben, Basle; f. 1910; over 600,000 vols., including business reports, periodicals, statistical publications, reports on social institutions and international conferences, professional societies and law and economics; 750,000 newspaper cuttings; the library is open to the public; Dir. Dr. H. ZEHNTNER; publ. *Schriften des Schweizerischen Wirtschaftsarchivs.*

Archives Fédérales: 24 rue des Archives, Berne; f. 1798; Dir. Dr. LEONARD HAAS; publ. *Aktensammlung der Helvetischen Republik* (14 vols.).

Bibliothek des Konservatoriums für Musik: 36 Kramgasse, Berne; Pres. Dr. MAX ZULAUF.

Bibliothèque Nationale Suisse—Schweizerische Landesbibliothek: 15 Hallwylstrasse, Berne; f. 1895; contains all publications issued in Switzerland and foreign publications if by Swiss authors or if concerning Switzerland; 1,000,000 vols., 100,000 engravings and photos. 20,000 maps, 10,000 posters; Swiss union catalogue; Dir. Prof. Dr. R. RUFFIEUX; Vice-Dir. Dr. W. VONTOBEL; publs. *Le Livre suisse, Répertoire méthodique des publications suisses ou relatives à la Suisse, 1901-47, Répertoire du livre suisse 1948-60, Répertoire des périodiques suisses, 1951-55, 1956-60, Répertoire des périodiques étrangers reçus par les bibliotheques suisses,* 4th edition 1955, *Bibliographia scientiae naturalis helvetica, Bibliographie historique suisse, Bibliographia medica helvetica* (with the Swiss Academy of Medical Sciences).

Bibliothèque de la Société Helvétique des Sciences Naturelles (*Bibliothèque de la ville et de l'université de Berne*): 41 Kesslergasse, Berne; f. 1901; publs. *Verhandlungen* (*Actes*) and *Denkschriften* (*Mémoires*).

Eidgenössische Zentralbibliothek: (*Library of the Federal Administration*): Bundeshaus-West, Berne; f. 1849; 86,000 vols.; the library is open to the public for reference only; Dir. Dr. HANS GUSTAV KELLER.

Pharmazeutische Zentralbibliothek: 10 Sahlistrasse, Berne; f. 1843; Librarian F. BOURGEOIS.

Staatsarchiv des Kantons Bern: 4 Falkenplatz, Berne; contains the archives of the Canton of Berne; Archivist FRITZ HÄUSLER; publ. *Das Staatsarchiv des Kantons Bern.*

Stadt- und Universitätsbibliothek: 41 Kesslergasse, Berne; 800,000 vols.; Chief Librarian Dr. H. STRAHM, P.D.

Archives d'Etat: Hôtel de Ville, Geneva; Archivist G. VAUCHER.

Bibliothèque Publique et Universitaire de Genève: Promenade des Bastions, Geneva; f. 1561; 1,100,000 vols. and pamphlets, 23,000 maps, 10,000 MSS.; Dir. Dr. MARC-AUGUSTE BORGEAUD.

Bibliothèque des Nations Unies: Palais des Nations, Geneva; f. 1920; 500,000 vols.; Librarian A. C. BREYCHA-VAUTHIER; Deputy Librarian NORMAN S. FIELD; publs. *Monthly List of Selected Articles* and *Monthly List of Books Catalogued in the Library.*

International Labour Office Library: 154 Route de Lausanne, Geneva; f. 1920; 650,000 vols. and pamphlets; the library is open to the public on special request; Librarian JOSEPH W. HADEN.

Bibliothèque de L'Hospice du Grand Saint-Bernard: Grand Saint-Bernard, Canton de Valais (library of Austin Canons monastery, f. 1050); works on botany and numismatics, ancient MSS. and maps; over 30,000 vols. and many thousands of brochures.

Bibliothèque Cantonale et Universitaire de Lausanne: Palais de Rumine, Lausanne; f. 1537 as the Bibliothèque de l'Académie, Bibliothèque Cantonale et Universitaire since 1890; incorporates the libraries of the "Société vaudoise des sciences naturelles" and the "Société d'histoire de la Suisse romande"; 600,000 vols., 130 incunabula; the library is open to the public; Dir. JEAN-PIERRE CLAVEL.

Bibliothèque de la Faculté de Droit de l'Université: 5A Place de la Cathédrale, Lausanne; f. 1890; 93,000 vols.; Dir. Prof. FRANÇOIS GILLIARD; Librarian JUNE ROSSIER.

Zentralbibliothek: Sempacherplatz, Lucerne; f. 1951. central library for cantonal and town libraries; 300,000 vols.; the largest public library in Central Switzerland; fiction and science books; Dir. ALB. MÜLLER.

Bibliothèque des Pasteurs: 3 Collégiale, Neuchâtel; f. *c.* 1552; theological; 55,000 vols., 16,000 pamphlets; Librarian PAUL-EUGÈNE VUILLEMIN.

Bibliothèque Publique de la Ville: Neuchâtel; f. 1788; 300,000 vols., including vols. of periodicals, an Encyclopædia Library, Swiss theses, many reviews received mostly by exchange; MSS. of J.-J. Rousseau (works and correspondence); Dir. E. BERTHOUD; publ. *Bulletin des acquisitions récentes.*

Stadtbibliothek (Vadiana): 22 Notkerstrasse, St. Gallen; f. 1551; 200,000 vols.; the library is open to the public; Dir. Dr. HANS FEHRLIN.

Stifts-Bibliothek St. Gallen: St. Gallen (library of former Benedictine Abbey of St. Gall); f. about 720 A.D.; important collection of manuscripts and incunabula, some dating from Irish period; 100,000 vols.; Dir. Dr. JOHANNES DUFT.

Zentralbibliothek: 39 Bielstrasse, Solothurn; f. 1763 as town library; 300,000 vols., 2,000 MSS.; the library is open to the public; Dir. Dr. HANS SIGRIST; publs. *Jahresbericht, Veröffentlichungen.*

Stadtbibliothek: 52 Museumstrasse, Winterthur; f. 1660; 260,000 vols., also 430 current reviews; the library is open to the public; Dir. Dr. EMMANUEL DEJUNG; publ. *New Year's Report* (annually).

Bibliothek der Eidgenössischen Technischen Hochschule (*Library of the Swiss Federal Institute of Technology*): Leonhardstrasse 33, Zürich 6; f. 1855; 530,000 vols., 3,500,000 patents, 3,300 current periodicals; university library specialising in natural and technical sciences, including: library of "Schweiz. Vereinigung für Landesplanung"; library of Schweiz. Entomological Gesellschaft; special department for architecture and fine arts with legacies of famous architects (e.g. Gottfried Semper) and the Swiss "Bürgerhaus-Archiv"; "Thomas-Mann Archiv"; MS. letters of Einstein and others; centre of Swiss technical documentation ("Technischer Literaturnachweis"); national atomic energy library; service for microfilms and photostats; Dir. Dr. P. SCHERRER.

Schweizerisches Sozialarchiv: Neumarkt 28, Zürich; f. 1906; Swiss centre of social documentation; 33,000 vols. and over 100,000 brochures, pamphlets, etc.; 600 current newspapers and reviews in the lecture hall; newspaper cuttings; the library is open to the public; Librarian Dr. E. STEINEMANN.

Staatsarchiv des Kantons Zürich: 33 Predigerplatz, Zürich 1; f. 1837; collection includes specialised library, local publications, and collection of statutes; 17,000 vols. and numerous pamphlets, etc.; the library is open to the public; Dir. Dr. W. SCHNYDER.

Zentralbibliothek Zürich: Zähringerplatz 6, Zürich 1; f. 1917; 1,200,000 vols.; Dir. LUDWIG FORRER.

Bibliothek des Kunstgewerbemuseums der Stadt Zürich: Zürich; f. 1874; 50,000 vols.; Librarian Dr. KURT AKERET.

Central English Library: Zürich; f. 1960; 10,000 vols.

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ART GALLERIES AND MUSEUMS

Kantonale Kunstsammlung: Aarau; f. 1860; Swiss painting and sculpture from 1750 to the present day; considerable collection of paintings by Caspar Wolf (1735-1783), the first painter of the Alps, and by the landscape painter, Adolf Staebli; Curator GUIDO FISCHER.

Oeffentliche Kunstsammlung: Kunstmuseum, Str. Albangraben 16, Basle; f. 1662 from Amerbach-Kabinett's paintings from 15th century to present day, notably by Witz, Holbein and contemporary painters; collection includes Grünewald, Caravaggio, Greco, Rembrandt, Cézanne, Gauguin and Van Gogh; sculptures by Rodin and 20th-century artists; Print Room with old German and Swiss masters; Dir. Dr. FRANZ MEYER.

Museum für Völkerkunde und Schweizerisches Museum für Volkskunde: Augustinergasse 2, Basle; f. 1892; ethnographical collections from all parts of the world, especially from Oceania, Indonesia, and Switzerland; Dir. Prof. Dr. A. BÜHLER; Curators Prof. Dr. C. A. SCHMITZ and Dr. R. WILDHABER; publs. *Annual Report* and guides.

Kunstmuseum: 12 Hodlerstrasse, Berne; f. 1879, and enlarged 1936; contains Italian paintings from 14th and 16th centuries, works by Swiss masters from 15th to 19th centuries and modern works by Hodler and other Swiss, French and German masters; Paul Klee foundation; Hermann and Margrit Rupf foundation; the graphic art collection contains over 20,000 drawings and engravings; *c.* 25,000 vols.; Curator Prof. Dr. M. HUGGLER.

Naturhistorisches Museum: 15 Bernastrasse, Berne; f. 1694; collection includes dioramas of Swiss mammals and birds and big game (especially African), minerals of the Swiss Alps, Alpine fossils, insects, vertebrates, molluscs, corals, etc.; Dir. and Curator of Zoology Dept. Dr. W. KÜENZI; Curator of Entomology Dept. Dr. WALTER HUBER; Curator of Mineralogy and Geology Dept. Dr. H. A. STALDER; publ. *Berichte des Naturhistorischen Museums.*

Museum Schwab: Biel-Bienne; f. 1865; contains prehistoric exhibits, especially of the lake-dwelling culture, the New Stone Age, the Bronze Age, and the second Iron Age; also a collection of the Roman period (Petinesca); Dir. WERNER BOURQUIN.

Bündnerische Kunstsammlung: Villa Planta, Chur; f. 1900; contains works by Swiss artists, principally Segantini, Giacometti and Angelica Kauffmann; Curator E. HUNG ERBÜHLER.

Musée d'art et d'histoire: Fribourg; f. 1823; Curator Dr. MARCEL STRUB; the museum is housed in the following places:

(*a*) Hôtel Ratzé (16th century), rue Pierre-Aeby 227; antiques, furniture, stained glass, sculpture, portraits, Roman, Burgundian and prehistoric collections.

(*b*) Université; gallery of Swiss painting and sculpture of the Middle Ages, and 16th and 17th centuries.

(*c*) Bibliothèque cantonale et universitaire; collection of prints.

(*d*) rue de Morat 232; the Marcello Museum; collection of the Duchess of Castiglione-Colonna.

Musée d'Art et d'Histoire: rue Charles Galland, Geneva; f. 1910; comprises works by Swiss painters, Italian, French, German and Flemish Primitives, and a special collection of paintings by Hodler; historical section devoted to history and archæology of Geneva and district, and Classical, Egyptian and Near East archæology, plastic and decorative arts and numismatic collection; library of 30,000 vols.; Dir. and Curator of Fine Arts Prof. P. BOUFFARD; Curator of Archæological Collections E. SOLLBERGER; Curator of Decorative Arts P. F. SCHNEEBERGER; Curator of Numismatic Section N. DÜRR; Curator of Prints L. PERRET; publs. *Geneva* (quarterly), *Les Musées de Genève* (monthly).

Musée et Institut d'Ethnographie de la Ville de Genève: 65-67 Boulevard Carl Vogt, Geneva; f. 1901; contains exhibits from Africa, Asia, Americas, Australia and Oceania, collection of musical instruments and of popular pottery; also houses the Société Suisse des Américanistes; Dir. Mme LOBSIGER-DELLENBACH.

Muséum d'Histoire Naturelle: Bastions, Geneva; f. 1811; Dir. Dr. E. DOTTRENS (General Zoology); Curators Dr. V. AELLEN (Vertebrates) Dr. C. BESUCHET (Entomology), Dr. J. J. CALAME (Mineralogy), Dr. ED. LANTERNO (Geology), Dr. G. DE BEAUMONT (Palæontology), Dr. H. GISIN (Arthropods), Dr. E. BINDER (Malacology and Invertebrates); publs. Catalogues des Invertébrés de la Suisse (18 fasc.); Catalogue Illustré de la collection Lamarck I (Fossiles); *Collembolenfauna Europas, Revue Suisse de Zoologie.*

Kunsthaus Glarus: Glarus; f. 1870; 200 mems.; works by Swiss artists, especially Hodler, Amiet, Soldenhoff, Steffan, Morgenthaler, Schynder, Anberjonois, Haller and Hubacher; contemporary sculpture; library of reproductions; Curator FRITZ BRUNNER.

Musée des Beaux-Arts: La Chaux-de-Fonds; f. 1864; comprises paintings and sculpture by Swiss artists, particularly of the Neuchâtel district, and modern European painting, sculpture and tapestries; Dir. PAUL SEYLAZ.

Musée Cantonal des Beaux-Arts: Palais de Rumine, Lausanne; f. 1841 by the painter Marc-Louis Arlaud; collection of works by artists from the canton de Vaud: Gleyre, Bocion, Chavannes, Vallotton, Borgeaud, Hermanjat, etc. (19th century); Auberjonois, Bosshard, Chinet, Clément, Poncet, Soutter, etc. (modern painters); Casimir Reymond, Milo Martin, etc. (sculptors); works by Hodler and Albert Anker; foreign schools: Bonnard, Vuillard, Roussel, Degas, Matisse, Marquet, Vlaminck, Brianchon, etc. (painters); Millès, Maillol, Bourdelle, Bartholomé, Degas, etc. (sculptors); water-colours, prints and drawings; Curator ERNEST MANGANEL.

Musée des Beaux-Arts: f. 1862; Le Locle; works by Swiss artists, particularly of the Neuchâtel district; Curator CH. B. JEANNERET.

Museo Vela: Ligornetto; f. 1896 by the Vela family, whose works comprise the basis of the collection, which also includes paintings from old and modern Italian schools (19th century), sketches and drawings; Curator UGO CLEIS.

Musée des Beaux Arts: Lucerne; f. 1872 and transferred to new building in 1933; Swiss art from ancient times to 20th century, with special collection of contemporary works; drawings and water-colours by Lucerne artists; Curator Dr. ADOLF REINLE.

Richard Wagner-Museum: Tribschen/Lucerne; f. 1933; home of Richard Wagner from 1866 to 1872; contains original scores of *Siegfried-Idyll, Schusterlied* (*Meistersinger*), etchings, paintings, busts and the Erard grand piano which accompanied Wagner throughout Europe; also collection of 200 old musical instruments; Pres. of Museum Commission PAUL KOPP; Curator Dr. ROBERT KAUFMANN; publs. *Katalog* (German, French and English), *Tribschener Blätter* (twice a year).

Verkehrshaus der Schweiz (*Swiss Institute of Transport*): Lidostrasse 5, Lucerne; f. 1960; Europe's largest transport museum; land, sea and air, unique early

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vehicles, engines, working models, diagrams, photographs; headquarters of the Swiss Transport Research Association; Dir. ALFRED WALDIS.

Museo di Belle Arti Fondazione A. Caccia: Villa Ciani, Lugano; f. 1893 by Antonio Caccia; works by artists of the Ticino from 17th to 20th centuries, and by Italian artists including Tintoretto.

Musée des Beaux-Arts: Quai des Beaux-Arts, Neuchâtel; f. 1816; pictures, drawings, prints and sculpture by Neuchâtel and other Swiss artists; French works of 18th and 19th centuries by Courbet, Corot and others; Curator DANIEL VOUGA.

Musée d'Histoire: Neuchâtel; Curator PAUL DE PURY; Curator of Prehistorical Section S. PERRET.

Musée d'Ethnographie: 4, St. Nicolas, Neuchâtel; f. 1790; Curator JEAN GABUS; publ. *Rapport annuel des Musées et Bibliothèques.*

Musée d'Histoire Naturelle: 3 place Numa-Droz, Neuchâtel; f. 1835; Curator ARCHIBALD QUARTIER.

Kunst-und Martin-Disteli Museum: Olten; f. 1845; drawings and paintings by Martin Disteli; paintings, drawings and sculptures by Swiss artists; Curator PAUL MEIER.

Kunstmuseum St. Gallen: St. Gallen; f. 1877; works by 19th- and 20th-century Swiss, French and German painters, with special collection devoted to the art of Eastern Switzerland; Dir. RUDOLF HANHART.

Industrie- und Gewerbemuseum: Vadianstr. 2, St. Gallen; f. 1878; lace, embroideries and printed fabrics of four centuries; Coptic woven fabrics; period and modern textile and costume exhibition; library of 6,000 vols.; Dir. HANS STETTBACHER.

Sturzenegger'sche Gemaldesammlung der Stadt St. Gallen: f. 1920; fine collection of French paintings by Corot, Pissarro, Sisley and others; works by German artists, including Koch, Feuerbach and Spitzweg; representative collection of 19th-century Swiss painting.

Museum zu Allerheiligen: Klosterplatz, Schaffhausen; f. 1928; prehistory, history and art of the Canton of Schaffhausen and district; Dir. Dr. W. U. GUYAN; publ. *Jahresbericht.*

Museum der Stadt Solothurn: Solothurn; f. 1850; works by Swiss and foreign artists from early 15th century onwards, including Hans Holbein, junior, Ribera, Hodler and J. M. Turner; drawings, water-colours and engravings; Curator G. RUEFLI.

Musée Jenisch (*Beaux-Arts et sciences naturelles*), **Le Château** (*Musée historique du Vieux-Vevey*): Vevey; f. 1897; paintings and sculpture by Swiss and foreign artists, including Bocion, Courbet, Canaletto, Chavannes; natural science collections of fauna, minerals, birds, shells, etc.; collection illustrating the folklore and history of the district; Dir. (Vacant).

Kunstmuseum: Winterthur; f. 1866; Swiss painting and sculpture from 18th century to present day; French and German painting and sculpture of 19th and 20th centuries, including Renoir, Bonnard, Maillol, Van Gogh, etc.; drawings; 16th-century stained glass; Curator Dr. HEINZ KELLER.

Kunsthaus: Heimplatz, Zürich; f. 1787; paintings and sculptures by Swiss and foreign artists from antiquity to present day; early German masters, French impressionists; extensive collection covering all branches of graphic art from 15th century onwards; library of 12,000 vols.; Dir. Dr. RENÉ WEHRLI.

Graphische Sammlung der Eidgenössischen Technischen Hochschule: Zürich; f. 1867; collection contains over 100,000 examples of the graphic art of all periods and schools, with special reference to the development of graphic art in Switzerland; Curator Prof. Dr. E. GRADMANN; publs. catalogues covering the work of individual artists and the exhibitions.

Musée et Jardin Botanique: Zürich; f. 1836; collection includes specimens of African flora and a large herbarium; Dir. Prof. Dr. F. MARKGRAF; Curators Dr. J. SCHITTLER, P.D., B. STÜSSI, Dr. O. ROHWEDER; publs. *Mitteilungen aus dem Botanischen Museum der Universität Zürich,* occasional papers, monographs on the flora of Switzerland and New Caledonia, oecology, vegetation, morphology and evolution.

Musée Zoologique de l'Université: 16 Künstlergasse, Zürich; f. 1837; Dir. Prof. H. BURLA.

Institut et Musée de Paléontologie de l'Université: 16 Künstlergasse, Zürich; f. 1956; Dir. Prof. Dr. E. KUHN-SCHNYDER.

Schweizerisches Landesmuseum: Museumstrasse 2, Zürich; f. 1890; exhibits illustrate the history and development of culture in Switzerland from prehistoric times to the 19th century; library of 33 500 vols.; Pres. Dr. EMIL LANDOLT; Dir. Prof. Dr. EMIL VOGT; publs. *Zeitschrift für schweizerische Archäologie und Kunstgeschichte* (quarterly), *Jahresbericht* (annual).

Kunstgewerbemuseum der Stadt Zürich: Ausstellungsstrasse 60, Zürich; f. 1874, architecture, applied arts, industrial and folk art of European and extra-European countries; graphic art collection, poster collection; public library of 56,000 vols.; Dir. (Vacant); Curator Dr. E. BILLETTER; Librarian Dr. KURT AKERET.

Museum Rietberg: Seestr 108, Zürich 2; f. 1952; permanent collection; Asiatic art, art of the Americas, primitive arts; E. von der Heydt collection and others; Curator Dr. ELSY LEUZINGER.

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HAUSER, HANS (Pathology and Anatomy).
HOFMANN, WALTER (Stock Breeding).
LEUTHOLD, ALFRED (Surgery).
STECK, WERNER (Pathology, Therapy and Pharmacology).
WEBER, WALTER (Animal Breeding and Hygiene).
ZIEGLER, HERMANN (Anatomy of Domestic Animals).

Faculty of Philosophy and Literature:
BANDI, HANS GEORG (Prehistory and Palæontology).
DEÉR, JOSEF (Medieval History).
FRICKER, ROBERT (English Language and Literature).
GAUSS, HERMANN (Philosophy).
GEERING, ARNOLD (History of Music).
GIGON, OLOF (Classical Philology and Latin).
GREYERZ, HANS V. (Swiss History).
HAHNLOSER, HANS ROBERT (History of Art).
HEINIMANN, SIEGFRIED (Romance Philology).
HENZEN, WALTER (German Philology).
HOFER, WALTHER (Modern History).
JENNI, ADOLFO (Italian Language and Literature).
JUCKER, HANS (Classical Archæology).
KOHLSCHMIDT, WERNER (History of Modern German Literature).
MEILI, RICHARD (Psychology and its Application).
REDARD, GEORGES (Indo-Germanic Studies, with special attention to Classical Languages).
SCHMID, JACOB R. (Philosophy).
THEILER, WILLY (Classical Philology and Greek).
WALSER, GEROLD (Ancient History).
WALZER, PIERRE (Romance Philology, Modern French Language and Literature).
ZINSLI, PAUL (Language and Folklore of German Switzerland)

Faculty of Pure Science:
ALDER, ARTHUR (Calculus and Statistics).
CADISCH, JOOS (Geology).
FEITKNECHT, WALTER (Inorganic and Physical Chemistry).
GYGAX, FRITZ (General Geography).
HADWIGER, HUGO (Higher Analysis).
HOUTERMANS, F. G. (Physics).
LEHMANN, FRITZ (Zoology, Comparative Anatomy, Biology)
LEUPOLD, URS (Microbiology and General Biology).
MERCIER, ANDRÉ (Theoretical Physics).
NEF, WALTER (Higher Mathematics).
NIGGLI, ERNST (Mineralogy and Petrography).
NOWACKI, WERNER (Crystallography).
SCHERRER, WILLY (Higher Geometry).
SCHÜRER, MAX (Astronomy).
SIGNER, RUDOLF (General Organic Chemistry).
WEGMÜLLER, WALTER (Financial Mathematics).
WELTEN, MAX (Systematical Botany and Geobotany).

UNIVERSITÉ DE FRIBOURG
(State, Catholic and International Institution)

FRIBOURG
Telephone: 037/2 45 65
Founded 1889

Rector: EUGEN JSELE.
Pro-Rector: XAVIER VON HORNSTEIN.
Rector: XAVIER VON HORNSTEIN.
Pro-Rector: JOSEPH KALIN.
Chancellor: HUBERT O. AEPLI.
Librarian: RENE WUILLERET.

The library contains over 800,000 vols.
Number of teachers: 190.
Number of students: 2,168.

DEANS:

Faculty of Theology: Prof. JEAN-HERVÉ NICOLAS.
Faculty of Law, Economics and Social Sciences: Prof. HENRI DESCHENAUX.
Faculty of Letters: Prof. NORBERT LUYTEN.
Faculty of Natural Sciences: Prof. ANDRÉ HOURIET.

FULL PROFESSORS:

Faculty of Theology:
BARTHELEMY, JEAN-DOMINIQUE (Old Testament Exegesis).
GRONER, JOSEF F. (Practical Moral Theology).
HÄNGGI, ANTON (Liturgy).
HORNSTEIN, Mgr. XAVIER VON (Theology).
KUNZLE, PIUS (Dogmatic Theology).
LÜTHI, HEINRICH (Canon Law).
MEERSSEMAN, GÉRARD (Ecclesiastical History).
MEHRLE, THOMAS (Dogmatic Theology).
MICHELS, JACQUES (History of Religion, Missiology).
NICOLAS, JEAN-HERVÉ (Dogmatic Theology).
PERLER, OTHMAR (Patrology, Christian Archæology).
PHILIPPE, MARIE-DOMINIQUE (Philosophy).
SPICQ, CESLAS (New Testament Exegesis).
STIRNIMANN, HEINRICH (Fundamental Theology).
URDANOZ ALDAS, THEOPHILL (Moral Theology).
VICAIRE, MARIE-HUMBERT (Ecclesiastical History).
WILLIAMS, CORNELIUS (Moral Theology).
WYSER, PAUL (Ontology, History of Medieval Philosophy).

Faculty of Law, Economics and Social Sciences:
BILLETER, ERNST P. (Statistics, Automation, Operations Research).
BIUCCHI, BASILIO (Economic Theory and Finance).
BÜCHI, WILLY (Political Economy).
CLERC, FRANÇOIS (Penal Law and Canon Law).
DARBELLAY, JEAN-JACQUES (Public Law, Administrative Law, Philosophy of Law).
DESCHENAUX, HENRI (Civil and Commercial Law).
FAVRE, ANTOINE (International Public Law).
GUTZWILLER, MAX (International Private Law).
ISELE, EUGEN (Civil and International Public Law).
JÄGGI, PETER (Private Law).
MÜLLER-BÜCHI, EMIL (History of Law, Journalism).
OSWALD, WILHELM (Philosophy of Law and Swiss Federal Law).
PHILIPS, LOUIS (History of Economics and Political Economy).
SCHWANDER, VITAL (Penal Law).
SCHWARZFISHER, JOSEPH (Business Administrationn).
VALARCHÉ, JEAN-M. (Political Economy).
WUBBE, FELIX (Roman Law).

Faculty of Letters:
ALKER, ERNST (German Literature).
BOCHENSKI, JOSEPH (Contemporary Philosophy).
BRENN, FRANZ (Musicology).
CASTELLANI, ENRICO (Roman Philology).

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DUPRAZ, Mlle LAURE (Pedagogy).
GHALI-KAHIL, LILLY (Ancient History).
HUBER, HUGO (Ethnology).
LUYTEN, NORBERT (Psychology).
MONTALTA, EDUARD (Curative Pedagogy).
POZZI, GIOVANNI (Italian Literature).
PUELMA, MARIO (Classical Philology).
REGAMEY, CONSTANTIN (Comparative Linguistics).
RUFFIEUX, ROLAND (General Modern History).
SCHMID, ALFRED (History of Art).
SCHMIDINGER, HEINRICH (Medieval History).
SMITH, JAMES (English Literature).
STUDER, EDUARD (German Philology).
SUGRANYES DE FRANCHE, RAMON (Iberian Literatures).
UTZ, ARTHUR-FRIDOLIN (Social Philosophy).
VASELLA, OSKAR (Swiss History).

Faculty of Natural Sciences:
BLUM, GEBHARD (Botany).
CHARDONNENS, LOUIS (Inorganic Chemistry).
CONTI, GIUSEPPE (Histology).
FALLER, ADOLF (Anatomy).
FRÖLICHER, ALFRED (Mathematics).
GIOVANNINI, EDGARDO (Organic Chemistry).
HOURIET, ANDRÉ (Theoretical Physics).
HUBER, OTTO (Experimental Physics).
KÄLIN, JOSEPH (Comparative Anatomy, Zoology, Anthropology).
KLAUS, JEAN (Geology).
KLEMENT, OSCAR (Physical Chemistry).
MEIER, HANS (Botany).
MÜLLER, ALOYS (Physiology).
NICKEL, ERWIN (Mineralogy and Petrography).
PIVETEAU, JEAN-LUC (Geography).
PORTMANN, PLATO (Physiological Chemistry).
STREBEL, KURT (Mathematics).

ASSOCIATED INSTITUTES:

Institute of Missiology: Dir. J. MICHELS.

Institute of Pastoral Theology: Dir. X. VON HORNSTEIN.

Institute for Economic and Social Sciences: Dir. M. J. VALARCHÉ.

International Institute of Social and Political Sciences: Dir. A.-F. UTZ.

Institute for Automation and Operations Research: Dir. E. BILLETER.

Institute of Pedagogy, Orthopedagogy and Practical Psychology: Dirs. L. DUPRAZ, E. MONTALTA.

Institute of Curative Pedagogy: Dir. E. MONTALTA.

Institute for East European Studies: Dir. J. BOCHENSKI.

Institute for Practical French:

Institute for Practical English: Dir. J. SMITH.

UNIVERSITÉ DE GENÈVE

GENEVA
Telephone: 25.22.74
Founded 1559

Rector: Prof. JEAN GRAVEN.
Registrars: BERNARD DUCRET, ANDRÉ CORBOZ.

Library: *see* Libraries.
Number of teachers: 399, including 129 professors.
Number of students: 2,390 men, 1,560 women, total 3,950.
Publications: *Programme, Guide, Catalogue, Dies Academicus.*

DEANS:
Faculty of Science: Prof. MARC SAUTER.
Faculty of Letters: Prof. BERNARD GAGNEBIN.
Faculty of Economics and Social Science: Prof. JACQUES L'HUILLIER.
Faculty of Law: Prof. ALEXANDRE BERENSTEIN.
Faculty of Medicine: Prof. JEAN-JACQUES MOZER.
Faculty of Protestant Theology: Prof. EDMOND ROCHEDIEU.

PROFESSORS:

Faculty of Science:
BAEHNI, CHARLES (Systematic Botany).
BENE, GEORGES (Hertzian Spectroscopy).
BOUVIER, PIERRE B. (Astrophysics).
BOYMOND, PAUL (Pharmacy).
CHERBULIEZ (Organic and Pharmaceutical Chemistry).
CHODAT, FERNAND (Botany).
CORTESI, RODOLPHE (Phytotechnology).
FISCHBERG, MICHAIL (General Zoology).
GALOPIN, RAYMOND (Mineralogy).
GOLAY, MARCEL (Astronomy).
HAEFLIGER, ANDRE (Linear Algebra and Topology).
HEER, ERNST (Experimental Nuclear Physics).
HUGGEL, HANSJORG (Comparative Anatomy and Physiology).
JAUCH, JOSEPH MARIA (Theoretical Physics).
KAELIN, ALOIS (Statistics).
KARAMATA, JEAN (Integral Calculus).
KELLENBERGER, EDOUARD (Biophysics).
LACROIX, ROGER (Rational Mechanics).
LINDER, ARTHUR (Mathematical Statistics).
LOMBARD, AUGUSTIN (Geology).
MIRIMANOFF, ANDRÉ (Pharmacognosy).
MONNIER, DENYS (Analytical Chemistry).
MONNIER, ROBERT (Chemical and Electrochemical Technics).
PETER, MARTIN (General Physics).
PIAGET, JEAN (Experimental Psychology).
POLDINI, EDOUARD (Geophysics, Oilfields).
PONSE, Mlle. KITTY (Endocrinology).
POSTERNAK, THÉODORE (Biochemistry).
RHAM, GEORGES DE (Analysis and Probabilities).
ROSSIER, PAUL (Mathematics).
SAUTER, MARC (Anthropology, Palæontology).
STUECKELBERG, ERNEST (Theoretical Physics).
SUSZ, BERNARD-PIERRE (Chemistry).
VUAGNAT, MARC (Mineralogy, Petrography, Prospecting).
WYK, ANTOINE VAN DER (Chemistry of Colloids).
(Vacant—Analytical Chemistry, Palæontology, Micropalæontology, Experimental Physics.)

Faculty of Letters.
AUCOUTURIER, MICHEL (Slav Language).
BINDSCHEDLER, MARIA (German Language and Literature).
BOUFFARD, PIERRE (History of Art).
BRÉGUET, Mlle ESTHER (Latin Literature).
BURGER, ANDRÉ (Romance Philology).
CASTIGLIONE, TOMMASO RICCARDO (Italian Language and Literature).
ESTREICHER, ZYGMUNT (Musicology).
FOURNET, CHARLES (History of French Literature.)
FREI, HENRI (Linguistics and Oriental Languages).
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GAGNEBIN, BERNARD (Research Techniques).
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HERSCH, Mlle JEANNE (Philosophy).
LEYMARIE, JEAN (History of Art).
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POYAN, DANIEL (Spanish Language and Literature).
REVERDIN, OLIVIER (Greek Language and Literature).
ROUSSET, JEAN (French Literature).
SCHAERER, RENÉ (Philosophy and History of Philosophy).
STAROBINSKI, JEAN (History of Ideas).
STELLING-MICHAUD, SVEN (Modern History and Medieval History).
(Vacant—Classical Archæology, Pedagogy.)

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FÉRAUD, LUCIEN (Statistics).
FOLLIET, PIERRE (Commercial Technics).
GIROD, ROGER (Sociology).
GUICHONNET, PAUL (Human Geography).
LAUFENBURGER, HENRY (Public Finance).
L'HUILLIER, JACQUES (Political Economy and Transport Law).
L'HUILLIER, LAURENT (Contract Law).
MENTHA, GÉRALD (Industrial Organisation).
SAUTER, MARC (Ethnology).
TERRIER, CLAUDIUS (Commercial Economy).
(Vacant—Economic History and Social Economy, Economics.)

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GRAVEN, JEAN (Penal Procedure and Penal Law).
GUGGENHEIM, PAUL (Public International Law).
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LALIVE, PIERRE (Civil Procedure, Introductory Law, International Private Law).
LIEBESKIND, W. AMÉDÉE (History of Institutions and of Law).
MARTIN-ACHARD, EDMOND (Patents).
PATRY, ROBERT (Commercial Law).
SCHÖNLE, HERBERT (German Commercial Law).
VIRALLY, MICHEL (Philosophy of Law).
YUNG, WALTER (Swiss Civil Law).
(Vacant—German Civil Law.)

Faculty of Medicine:
AJURIAGUERRA, JULIAN DE (Psychiatry).
BAMATTER, FRED (Pædiatrics and Child Health).
BAUD, CHARLES-ALBERT (Stomatology and Organogeny).
BAUMANN, JEAN-AIMÉ (Anatomy).
BERNHEIM JACQUES (Legal Medicine).
BICKEL, GEORGES (Clinical Medicine).
CALAME, ANDRÉ (Surgery).
DEMOLE, MICHEL (Applied Dietetics).
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FAVARGER, PIERRE (Physiological Chemistry).
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FROMMEL, EDOUARD (Pharmacology).
GEISENDORF, WILLIAM (Gynæcology and Obstetrics).
GLASSON, BERNARD (Materia Medica).
HELD, ARTHUR JEAN (Stomatology).
JADASSOHN, WERNER-E. (Skin and Venereal Diseases).
KLEIN, DAVID (Human Genetics).
MACH, RENÉ S. (Clinical Therapeutics).
MARTIN, ERIC (Clinical Medicine).
MONTANDON, ANDRÉ (Oto-Rhino-Laryngology).
MORSIER, GEORGES DE (Neurology).
MOZER, JEAN-JACQUES (Clinical Medicine).
MULLER, ALEX.-F. (Physiopathology).
PATRY, RENÉ (Surgery).
POSTERNAK, JEAN (Physiology).
REGAMEY, ROBERT (Medical Microbiology).
RENOLD, ALBERT (Clinical Biochemistry).
ROUILLER, CHARLES (Histology and Embryology).
RUDLER, JEAN-CLAUDE (Clinical Surgery).
RUTISHAUSER, ERWIN (Pathology).
TAILLARD, WILLY (Orthopædics).
WATTEVILLE, HUBERT DE (Gynæcology and Obstetrics).
(Vacant—Medical Radiology, Physiotherapy, Medical Hydrology and Climatology.)

Institute of Dental Surgery:
BAUD, CHARLES-ALBERT (Normal Stomatology).
BAUME, LOUIS (Conservative Dentistry).
FERNEX, ETIENNE (Dental and Facial Prosthetics).
HELD, ARTHUR-JEAN (Pathology and Therapeutics of Oral Diseases, Treatment of Fractures of the Jaw, Paradontics, Radiology).
JADASSOHN, WERNER (Dermatology).
NALLY, JEAN-NOEL (Partial Prosthesis).
REGAMEY, ROBERT (Practical Bacteriology).
RUTISHAUSER, ERWIN (Pathological Anatomy of the Mouth and of the Dental Tissues).
(Vacant—General and Oral Surgery, General Radiology.)

Faculty of Protestant Theology:
COURVOISIER, JAQUES (History).
D'ESPINE, HENRI (Liturgics and Homiletics).
LEENHARDT, FRANZ (Exegesis).
MARTIN-ACHARD, ROBERT (Exegesis).
ROCHEDIEU, EDMOND (Psychology and History of Religions).
SENARCLENS, JACQUES DE (Dogmatics).
WIDMER, GEORGES (Dogmatics).

School of Architecture:
BEAUDOUIN, EUGÈNE (Theory of Architecture).
BEERLI, ANDRÉ (History of Medieval and Modern Art and Architecture).
CALSAT, HENRI (Town Planning).
CINGRIA, ALBERT (Head of Department).
DUNANT, Mlle CHRISTIANE (History of Ancient Art).
EYPPER, ALFRED (Technology).
GAILLARD, ANDRÉ (Building Supervision).
GROSGURIN, CLAUDE (Elementary Construction).
HOLY, JEAN-CLAUDE (Geometry).
HUMBERT, MARCEL (Statics and Resistance).
KOENIG, HENRI (Design).
LOMBARD, AUGUSTIN (Geology).
LOZERON, ARTHUR (Head of Department).
REVERDIN, RAYMOND (Elements of Architecture).
ROSSIER, PAUL (Mathematics).
SAINI, HUGO (Lighting and Acoustics).
SAUGEY, MARC (Urbanisation).
VALENCIEN, JEAN (Financial Methods).
VARENCHON, PIERRE (Surveying and Estimates).
VIERNE, ANDRÉ (Architectural Regulations and Legislation).
WEBER, MAX (Drawing).

Institute of Educational Sciences:
BANG, VINH (Pedagogical Psychology).
DUPARC, Mlle. GERMAINE (Nursery School Education).
INHELDER, Mlle BÄRBEL (Child Psychology).
PIAGET, JEAN (Child Psychology).
REY, ANDRÉ (Psychological Methods).
ROLLER, SAMUEL (Experimental Pedagogy).
ROSSELLO, PEDRO (Comparative Pedagogy).
(Vacant—General Pedagogy.)

The Graduate Institute of International Studies:
FREYMOND, JACQUES (Diplomatic History).
GONARD, SAMUEL (Nationalism).
GUGGENHEIM, PAUL (International Law and International Organisation).
HALLE, LOUIS (Nationalism).
HEILPERIN, MICHEL (International Economics).
LALIVE, PIERRE (International Private Law).
L'HUILLIER, JACQUES (Economics).
LONG, OLIVIER (European Economic Relations).
RÖPKE, WILHELM (International Economic Relations).
VIRALLY, MICHEL (International Organisation).

OTHER INSTITUTES, ASSOCIATE COLLEGES, AND SCHOOLS

École de Pharmacie: Dir. Prof. ANDRÉ MIRIMANOFF.

Séminaire de Français Moderne: Dir. G. MEID.

École d'Interpretes: Dir. Prof. S. STELLING-MICHAUD. A total of 21 languages are taught by 68 teachers at the Interpreters' School.

École pratique de Langue française: Dir. G. MEID.

Institut de Hautes Etudes Commerciales: Dir. Prof. P. FOLLIET.

Institut de Biologie et Chimie Médicales: Dir. Prof. P. FAVARGER.

Institut d'Education Physique et de Sport: Dir. Prof. A.-F. MULLER.

Institut Universitaire de Hautes Etudes Internationales (*Graduate Institute of International Studies*): f. 1927; a research and teaching institution studying international questions from the juridical, political and economic viewpoints.
Director: Dr. JACQUES FREYMOND.
Secretary-General: YVES COLLART.

Centre d'Etudes Oecuméniques: Dir. H.-H. WOLF.

Centre d'Etudes Industrielles: 4 Chemin de Conches, Geneva; f. 1946; a post-graduate school of international industrial administration.
Director: PAUL M. HAENNI, D.SC.
Secretary: RICHARD J. WHITE, M.B.A.
Head of Industrial Training: JEAN-PIERRE BUCHEL.
Number of teachers: 9.

Centre d'Etudes Orientales: Dir. Prof. C. MAYSTRE.

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UNIVERSITÉ DE LAUSANNE

LAUSANNE
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Founded 1537

Rector: Prof. H. ZWAHLEN.
Secretary-General: J. P. CHATELANAT.
Librarian: J. P. CLAVEL.

Library: *see* Libraries.
Number of teachers: 300.
Number of students: 1,600 men, 600 women, total 2,200.

Publications: *Cahiers de la Faculté de Théologie, Publications de la Faculté des Lettres, Bulletin de l'Institut de Géologie*, also essays and documents on the history of the University.

DEANS:

Faculty of Theology: Prof. E. BURNIER.
Faculty of Jurisprudence: Prof. K. NEUMAYER.
Faculty of Medicine: Prof. J. DELACRÉTAZ.
Faculty of Letters: Prof. D. CHRISTOFF.
Faculty of Science: Prof. G. VINCENT.
School of Social and Political Science: Prof. J. CH. BIAUDET.
School of Higher Commercial Studies: Prof. R. GROSJEAN.
School of Pharmacy: Prof. A. GIRARDET.

PROFESSORS:

Faculty of Theology:
BURNIER, EDOUARD (Apologetics and Contemporary Theology).
GERMOND, HENRI (Practical Theology).
GRIN, EDMOND (Systematic, Dogmatic and Moral Theology).
KELLER, CARL (Old Testament).
MAURIS, EDMOND (History of Modern Theology).
MEYLAN, HENRI (History of the Church and History of Dogma).
SENTIT, CHRISTOPHE (Exegesis and Theology of the New Testament).

Faculty of Jurisprudence:
BRIDEL, MARCEL (General and Swiss Constitutional Law).
FLATTET, GUY (French Civil Law).
GILLIARD, FRANÇOIS (Commercial Law).
MATHYER, JACQUES (Forensic Science).
MEYLAN, PHILIPPE (Roman Law).
NEUMAYER, KARL (German Civil Law).
OULÈS, FIRMIN (Political Economy, Statistics, History of Economic Facts and Doctrines).
PERRIN, GEORGES (International Law).
PIOTET, PAUL (Civil Law).
POUDRET, JEAN-FRANÇOIS (History of Law).
RATHGEB, CHARLES (Private International Law, Civil Procedure, Penal Law).
RIESE, OTTO (Comparative Civil Law).
ZWAHLEN, HENRI (Administrative Law, Financial and Social Legislation).

Faculty of Medicine:
BUCHER, OTTO (Embryology).
CANDARDJIS, GEORGES (Medical Radiology).
DELACRÉTAZ, JEAN (Dermatology and Venereal Diseases).
DOLIVO, MICHEL (Physiology and Physiological Chemistry).
DUBUIS, PIERRE (Obstetrics).
HAUDUROY, PAUL (Bacteriology and Hygiene).
ISLIKER, HENRI (Biochemistry).
JACCOTTET, MAURICE (Pediatrics).
JÉQUIER, EDOUARD (Internal Medicine).
JÉQUIER, MICHEL (Neurology).
MERZ, WILLY (Obstetrics and Gynæcology).
MULLER, CHRISTIAN (Psychiatry).
NICOD, JEAN-LOUIS (Pathological Anatomy).
NICOD, LOUIS (Orthopædics).
SAEGESSER, FRÉDÉRIC (Clinical Surgery).
SCHNEIDER, PIERRE-B. (Theoretical and Forensic Psychiatry).
STREIFF, BERNARDO (Ophthalmology).
TAILLENS, JEAN-PIERRE (Oto-Rhino-Laryngology).
THÉLIN, MARC HENRI (Forensic Medicine).
VANNOTTI, ALFRED (Clinical Medicine).
VULLIET, MAURICE (Surgery).
WINCKLER, GEORGES (Normal Anatomy).
ZANDER, ERIC (Neuro-Surgery).

Faculty of Letters:
AEBISCHER, PAUL (Romance Language and Literature).
BERANGER, JEAN (Ancient History).
BIAUDET, JEAN-CH. (Modern History).
CHIAPPELLI, FREDI (Italian Language and Literature).
CHRISTOFF, DANIEL (Philosophy).
GIDDEY, ERNST (French Language and Civilisation).
GUISAN, GILBERT (French Language and Literature).
JUNOD, LOUIS (Swiss and Medieval History).
MERCANTON, JACQUES (French Literature).
ONDE, HENRI (General and Economic Geography).
RAPIN, RENÉ (English Language and Literature).
REGAMEY, CONSTANTIN (Slav Literature and Sanskrit).
RIVIER, ANDRÉ (Greek Language and Literature).
SCHMID, PIERRE (Latin Language and Literature).
STAUFFACHER, WERNER (German Language and Literature).

Faculty of Science:
BADOUX, HÉLI (General Geology, Stratigraphy and Geology of Petroleum).
BEAUMONT, JACQUES DE (Entomology).
BLANC, CHARLES (Differential and Integral Calculus and Applied Mathematics).
BRUNISHOLZ, GEORGES (Special Mineral Chemistry).
COSANDEY, FLORIAN (General Botany).
DAHN, HANS (Organic Chemistry).
FAUCONNET, LOUIS (Microscopy).
FLATT, ROBERT (General, Mineral and Analytical Chemistry
GIRARDET, ANDRÉ (Pharmacy and Toxicology).
HAENNY, CHARLES (Physical Chemistry, Nuclear Physics).
IMHOF, JEAN-PIERRE (Calculus of Probabilities).
MATTHEY, ROBERT (Zoology, Comparative Anatomy and General Biology).
METHÉE, PIERRE-D. (Mathematics).
PILET, PAUL-EMILE (Vegetal Physiology).
POLDINI, EDOUARD (Geo-physics and Technical Petrography).
RHAM, GEORGES DE (Mathematics).
RIVIER, DOMINIQUE (Experimental Physics).
SIEBENTHAL, JEAN DE (Higher Geometry).
STUECKELBERG, ERNEST (Theoretical Physics).
VINCENT, GEORGES (Mathematics).
VITTOZ, BERNARD (General Mechanics).
WANDERS, GERARD (Mechanics).
WOODTLI, ROBERT (Mineralogy).

School of Social, Political and Commercial Science:
BOURQUIN, MAURICE (Commercial Technique, Book-keeping and Accountancy).
CHUARD, PHILIPPE (Financial Mathematics, Technique of Insurance).
GOLAY, JEAN (Political and Commercial Economy).
GROSJEAN, ROBERT (Book-keeping).
JACCARD, PIERRE (Psychology and Sociology).
MEYNAUD, JEAN (Political Science).
PANCHAUD, GEORGES (History of Pedagogy, Didactics).
PELET, PAUL-LOUIS (Diplomatic History).
RIEBEN, HENRI (National Economy and European Problems).
URECH, AUGUSTE (Mathematical Theory and Insurance Technique).

ASSOCIATE COLLEGES

École Polytechnique de l'Université de Lausanne: f. 1853.
Director: Prof. M. COSANDEY.
Secretary: (Vacant).
Chief Librarian: E. SCHNITZLER.
Number of professors: 60
Number of students: 1,100.

I.M.E.D.E. (Institut pour l'Etude des Méthodes de Direction de l'Entreprise) (*Management Development Institute*): 23 Chemin de Bellerive; f. 1957; 8½-month course.
Number of teachers: 7 full-time professors.
Number of students: 60.
Director: Prof. THOMAS A. GRAVES.
Secretary-General: P. E. JACCARD.

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UNIVERSITÉ DE NEUCHÂTEL

NEUCHÂTEL
Telephone: 038/53851
Founded 1838

Rector: Prof. André Labhardt.
Secretary: Pierre Benguerel.

Number of teachers: 100.
Number of students: 800.

Deans:

Faculty of Letters: Prof. Jean-Blaize Grize.
Faculty of Science: Prof. Charles Terrier.
Faculty of Jurisprudence: Prof. Jean-François Aubert.
Faculty of Theology: Prof. Jean-Jacques von Allmen.

Full Professors:

Faculty of Letters:
Bauer, Edouard (General and National History).
Bonjour, Adrien (English Language and Literature).
Bronarski, A. (Polish Language and Literature).
Brunner, Fernando (History of Philosophy).
Eigeldinger, Marc (French Language and Literature).
Estreicher, Z. (Musicology).
Fasani, Remo (Italian Language and Literature).
Gabus, Jean (Ethnology).
Günther, W. (German Literature).
Guyot, Charly (French Literature).
Labhardt, A. (Latin Language and Literature).
Muller, Ph. (General Philosophy, Psychology).
Redard, Georges (Linguistics, French Grammar).
Roulet, Ls. Ed. (Swiss History, French Literature).
Rychner, Jean (Romance Philology).
Spoerri, Walter (Greek Language and Literature, Russian Language and Literature).
Treheux, Jacques (Archæology and Ancient History).

Faculty of Science:
Auber, Daniel (Paleontology, Geography).
Bader, Roger (Mathematics).
Baer, J. G. (Zoology, Comparative Anatomy).
Bargetzi, Jean-Pierre (Biochemistry).
Boissonnas, Ch.-G. (Inorganic and Physical Chemistry).
Clerc, Jean (Bacteriology, Legal Medicine).
Dinichert, Paul (Experimental Physics).
Enz, Charles (Theoretical Physics).
Favarger, C. (Botanical Biology).
Fiala, F. (Mathematics, Actuarial Science, Philosophy of Science).
Grize, J.-B. (Logic, History and Philosophy of Science).
Mugeli, Henri (Metallography).
Muller, Edith-A. (Astrophysics).
Piccard, Mlle S. (Geometry and Actuarial Science).
Rossel, J. (Experimental Physics).
Soerensen, W. (Mathematics).
Terrier, Ch. (Cryptograms).
Wegmann, E. (Geology, Mineralogy, Petrography).
Zangger (Nuclear Physics).

Faculty of Jurisprudence:
Aubert, J.-F. (Constitutional Law).
Clerc, F. (Civil and Penal Law and Procedure).
Erard, M. (History of Economic Theory).
Grisel, A. (Constitutional and Administrative Law).
Jeanpretre, Raymond (Law of Obligation).
Rosset, P.-R. (Political Economy).
Thévenaz, Henri (Elementary Law).

Section of Commerce, Economics and Social Sciences:
Clerc, F. (Penal Law).
Erard, M. (Sociology, Demography, Statistics, History of Economic Theory).
Fischbacher, F. W. (Industrial Economy).
Grisel, A. (Constitutional and Administrative Law).
Grossen, J.-M. (Civil Law and Procedure).
Jeanpretre, Raymond (Law of Obligation).
Pointet, P.-J. (Property Law).
Rosset, P.-R. (Commercial Law, Economics).
Scheurer, F. (Commercial Economics).
Thevenaz, Henri (Elementary Law).
Zwahlen, H. (Fiscal Law).

Faculty of Theology:
Burger, J.-D. (Ecclesiastical History).
Leuba, Jean-Louis (Systematic Theology).
Martin-Achard, Robert (Old Testament).
Menoud, Phil. (New Testament Exegesis).
von Allmen, J.-J. (Practical Theology).

Associate College

Seminary of Modern French for Foreigners: number of professors: 8 number of students 100.
Director: L. E. Roulet.

Section of Commercial Science.
Director: Paul-René Rosset.

UNIVERSITÄT ZÜRICH

ZÜRICH
Telephone: 34 61 34
Founded 1833

Rector: Prof. Ernst Hadorn.
Secretary: Ernst Spillmann.

The library contains 1,000,000 volumes.

Number of teachers: 441.
Number of students: 4,528.

Deans:

Faculty of Theology: Prof. Walter Bernet.
Faculty of Law and Politics: Prof. Friedrich A. Lutz.
Faculty of Medicine: Prof. Rudolf Hotz.
Faculty of Veterinary Medicine: Prof. Eugen Seiferle.
Faculty of Philosophy—I: Prof. Hans Barth.
Faculty of Philosophy—II: Prof. Walter Heitler.

Professors:

Faculty of Theology:
Bernet, Walter (Psychology of Religion).
Blanke, Fritz (Church History, History of Dogma).
Ebeling, Gerhard (Systematic Theology, History of Dogma-Symbolism).
Maag, Viktor (Old Testament Exegesis, History of Religion).
Rich, Arthur (Systematic, Practical Theology).
Schultz, Siegfried (New Testament).
Schweizer, Eduard (New Testament).
Wildberger, Hans (Old Testament, General History of Religion).

Faculty of Law and Politics:
Bader, Karl Siegfried (History of Swiss and German Law).
Bickel, Wilhelm (Statistics, Social Economy, Finance).
Büchner, Richard (Practical Social Economy).
Frey, Erwin (Criminal Law and Procedure).
Guldener, Max (Civil Procedure, International Private Law).
Higy, Camille (Finance).
Käfer, Karl (Economics, Accountancy, Commercial Education).
Kägi, Werner (Law of Nations, State, Church, and Constitutional Law).
Künzi, Hans (Economics).
Lautner, Julius (Roman Law, Industrial Law).
Lutz, Friedrich (Theoretical, Practical Social Economy).
Meier-Hayoz, Arthur (Theoretical and Practical Social Economics).
Nef, Hans (Philosophical, State and Administrative Law).
Niederer, Werner (International Private Law, Civil Law).
Niehans, Juerg (Theoretical and Practical Social Economy).
Oftinger, Karl (Insurance Law, Civil Procedure, Jurisprudence).

Faculty of Medicine:
Ackerknecht, Erwin H. (History of Medicine and Biology).
Akert, Konrad (Neurology and Anatomy).
von Albertini, Ambrosius (Pathological Anatomy).
Bleuler, Manfred (Psychiatry).
Boeni, Albert (Physical Therapy).
Buff, Hans-Ulrich (Surgery).

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DOLDER, EUGEN (Dentistry).
FRANCILLON, MAX (Orthopædics).
FRICK, PAUL (Internal Medicine-Hæmatology).
FRITZ-NIGGLI, HEDI (X-ray Biology).
GERBER, ALBERT (Dentistry).
GROB, MAX (Children's Surgery).
GRUMBACH, ARTHUR (Bacteriology).
HEGGLIN, ROBERT (Inner Medicine).
HELD, ERNST RUDOLF (Gynæcology).
HESS, RUDOLF (Neurology).
HORST, WOLFGANG (Radio Therapy, Nuclear Medicine).
HOTZ, RUDOLF (Dentistry).
KRAYENBUEHL, HUGO (Neuro-Surgery).
LABHART, ALEXIS (Pathological-Physiology).
LANG, FRITZ (Casualty Treatment).
LEUTHARDT, FRANZ (Physiological Chemistry).
LÜTHY, FRITZ (Neurology).
LUTZ, JAKOB (Psychiatry).
MAYOR, GEORGES (Urology).
MUEHLEMANN, HANS (Dentistry).
OBWEGESER, HUGO (Dentistry).
PRADER, ANDREA (Pediatrics).
ROSSIER, PAUL H. (Internal Medicine).
RÜEDI, LUZIUS (Oto-Rhino-Laryngology).
SCHÄR, MEINRAD (Social and Preventive Medicine).
SCHMUZIGER, PIERRE (Dentistry).
SCHWARZ, FRITZ (Forensic Medicine).
SENNING, AKE (Surgery).
STOLL, WERNER (Psychiatry).
STORCK, HANS (Dermatology and Venerology).
TÖNDURY, GIAN (Anatomy).
UEHLINGER, ERWIN (Pathology).
WASER, PETER G. (Pharmacology).
WELLAUER, JOSEF (Röngenology).
WITMER, RUDOLF (Opthalmology).
WYSS, OSCAR (Physiology).

Dental Institute:
DOLDER, EUGEN (Crowns and Bridges).
GERBER, ALBERT (Dental Prosthesis).
HOTZ, RUDOLF (Orthodontics).
MUEHLEMANN, HANS (Histology of the Mouth).
OBWEGESER, HUGO (Dental Surgery).
SCHMUZIGER, PIERRE (Pathology and Therapy of the Mouth).

Faculty of Veterinary Medicine:
AMMANN, KARL (Surgery and Ophthalmology).
ANDRES, JOSEF (Obstetrics).
GRAF, HANS (Pharmacology).
HESS, EMIL (Bacteriology).
LEEMANN, WERNER (Special Pathology and Therapy of Domestic Animals, Parasitology).
SEIFERLE, EUGEN (Anatomy, Embryology, Histology).
SPOERRI, HEINRICH (Veterinary Physiology).
STUENZI, HUGO (Pathology, Pathological Anatomy, Pathological Histology).
WINZENRIED, HANS-ULRICH (Animal Breeding).

Faculty of Philosophy—I:
BARTH, HANS (Philosophy).
BECK, MARCEL (History of the Middle Ages).
BEZZOLA, RETO R. (Romance Philology).
BIÄSCH, HANS (Practical Psychology).
BLOESCH, HANSJOERG (Archæology).
BRANG, PETER (Slavic Philology).
DUBLER, CÉSAR (Oriental Studies).
VON FISCHER, KURT (Musicology).
HAFELE, HANS (Latin Philology).
HAFFTER, HEINZ (Classical Philology).
HILTY, GEROLD (Romance Philology).
HOTZENKÖCHERLE, RUDOLF (German Philology).
HUBER, KONRAD (Romance Philology).
JEDLICKA, GOTTHARD (History of Art).
KELLER, WILHELM (Philosophy, Psychology).
LEISI, ERNST (English Philology and Medieval Literature).
MEYER, ERNST (Ancient History).
MEYER, PETER (History of Art).
MEYER, RUDOLF (Philosophy).
MOOR, PAUL (Pedagogics).
MOSER, ULRICH (Psychology).
VON MURALT, LEONHARD (Modern History).
POULET, GEORGES (History of French Literature, especially since the French Revolution).
RISCH, ERNST (Indo-Germanic Philology).
SILBERSCHMIDT, MAX (History of Economics).
SONDEREGGER, STEFAN (German Philology).
STAIGER, EMIL (History of German Literature).
STRAUMANN, HEINRICH (English Philology).
VON SCHELTING, ALEXANDER (Sociology).
VOGT, EMIL (Primæval History).
WEBER, LEO (Pedagogics).
WEHRLI, FRITZ (Classical Philology).
WEHRLI, MAX (History of German Literature).

Faculty of Philosophy—II:
BIEGERT, JOSEF (Anthropology).
BOESCH, HANS H. (Geography).
BRUN, ERNST (Experimental Physics).
BURLA, HANS (Zoology and Oecology).
BURRI, CONRAD (Mineralogy).
CHEN, PEI CHEN (Experimental Zoology).
DOLD, ALBRECHT (Mathematics).
DREIDING, ANDRE (Organic Chemistry).
EUGSTER, CONRAD (Organic Chemistry).
GANSSER, AUGUSTE (Geology).
HADORN, ERNST (Zoology and Comparative Anatomy).
HEITLER, WALTER (Theoretical Physics).
KUHN, EMIL (Palæontology).
LAVES, FRITZ (Mineralogy).
MARKGRAF, FRIEDRICH (Systematic Botany).
MEYER, VERENA (Experimental Physics).
NIGGLI, ALFRED (Crystalstructure Research).
RUTISHAUSER, ALFRED (General Botany).
SCHMID, HANS (Organic Chemistry).
SCHUMACHER, ERNST (Organic and Analytical Chemistry).
STAUB, HANS (Experimental Physics).
SUTER, KARL (Terrestrial Geography).
THELLING, ARMIN (Theoretical Physics).
TRÜMPY, RUDOLF (Stratigraphy).
VAN DER WAERDEN, BARTEL LEENDERT (Mathematics).
VISCONTINI, MAX (Organic Chemistry).
WALDMEIER, MAX (Astronomy).
WANNER, HANS (General Botany).
WELLER, HANS H. (Mathematics).

TECHNICAL UNIVERSITY

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE
(Swiss Federal Institute of Technology)

ZURICH

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Telegraphic Address: Polytechnikum Zürich

Founded 1855

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Vice-Rector: Prof. Dr. ALBERT FREY-WYSSLING.
Secretary of the Board: Dr. HANS BOSSHARDT.
Librarian: Dr. JEAN-PIERRE SYDLER.
Library: *see* Libraries.
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Number of teachers: 401.
Number of students: 4,848.

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School of Electrical Engineering: Prof. H. LEUTHOLD.
School of Chemistry: Prof. Dr. C. MARTIUS.
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School of Forestry: Prof. Dr. A. KURTH.
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School of Rural Engineering and Surveying: Prof. Dr. E. IMHOF.
School of Mathematics and Physics: Prof. Dr. E. SPECKER.
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FULL PROFESSORS:

School of Architecture:
ACKERET, J. (Aerodynamics).
ANGEHRN, O. (Accountancy).
CUSTER, W. (Regional and National Planning).
ELLENBERG, H. (Landscape Gardening and Planning).
ESS, H. (Drawing and Painting).
GEISENDORF, CH.-ED. (Architecture).
GRADMANN, E. (History of Art).
GRANDJEAN, E. (Hygiene).
HAURI, H. H. (Building Statistics).
HOESLI, H. B. (Architecture).
HUG, W. (Law).
DE QUERVAIN, F. (Petrography).
ROTH, A. (Architecture).
SCHADER, J. (Architecture).
STAHEL, M. (Industrial Organisation and Planning).
STEINER, A. H. (Architecture).
VOGT, A. M. (History of Art).
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WINKLER, E. (Regional and National).
(Vacant—Architecture, Traffic Engineering.)

School of Civil Engineering:
ACKERET, J. (Aerodynamics).
AMSTUTZ, ED. (Material Testing).
ANGEHRN, O. (Accountancy).
BLASER, J.-P. (Physics).
BÖHLER, E. (Economics and Statistics).
BRANDENBERGER, E. (Chemistry and Building Materials).
BURRI, C. (Petrography).
CUSTER, W. (Regional and National Planning).
ECKMANN, B. (Geometry).
FAVRE, H. (Mechanics—in French).
GANSSER, A. (Geology).
GASSMANN, F. (Geophysics).
GRUBINGER, H. (Land Reclamation).
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HERSCH, J. (Higher Mathematics—in French).
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KASPER, H. (Photogrammetry).
KOBOLD, F. (Geodesy and Topography).
LAVES, F. (Crystallography and Petrography).
LEUPOLD, W. (Technical Geology).
LEUTHOLD, H. (Power Plant and Power Economy).
DE QUERVAIN, F. (Petrography).
RAUSCHER, M. (Aeronautics).
ROSSET, P. R. (Economics—in French).
RUEFF, M. (Higher Mathematics—in French).
SAXER, W. (Higher Mathematics).
SCHNITTER, G. (Hydraulics).
STAHEL, M. (Railway, Road, and Tunnel Construction).
STIEFEL, E. (Applied Mathematics).
STÜSSI, F. (Structural Engineering, Wood and Steel Construction).
TANNER, E. (Land Reclamation).
THÜRLIMANN, B. (Structural Engineering, Concrete Construction).
TRÜMPY, R. (Geology).
WINKLER, E. (Regional and National Planning).
ZIEGLER, H. (Mechanics).
ZWEIFEL, O. (Mechanical Engineering).
(Vacant—Traffic Engineering.)

School of Mechanical Engineering:
ACKERET, J. (Aerodynamics).
AMSTUTZ, ED. (Material Testing).
ANGEHRN, O. (Accountancy, Management Economics).
BERCHTHOLD, M. (Thermodynamics and Internal Combustion Engines).
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BICKEL, E. (Technology, Machine Tools).
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FAVRE, H. (Mechanics—in French).
GERBER, H. (Hydraulic Machines).
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GRASSMANN, P. (Heating Apparatus and Refrigeration).
GÜNTHARD, HS. H. (Physical Chemistry).
HÄLG, W. (Reactor Technics).
HENRICI, P. (Higher Mathematics).
HERSCH, J. (Higher Mathematics—in French).
HUG, W. (Law).
KRAUSE, H. W. (Textile Engineering).
LEUTHOLD, H. (Power Economy).
LEYER, A. (Elements of Machine Construction).
MARINCEK, B. (Metallurgy ,Foundry and Metallic Materials).
PRIMAS, H. (Special Physical Chemistry).
PROFOS, P. (Automatic Control and Steam Power Plants).
RAUSCHER, M. (Aircraft Structures and Light Weight Design).
ROSSET, P. R. (Economics—in French).
RUEFF, M. (Geometry—in French).
SAXER, W. (Higher Mathematics).
STIEFEL, E. (Applied Mathematics).
TRAUPEL, W. (Thermal Turbo Machines).
ZIEGLER, H. (Mechanics).
ZWEIFEL, O. (Vehicles and Mechanical Conveying).
(Vacant—Traffic Engineering.)

School of Electrical Engineering:
ACKERET, J. (Aerodynamics).
AMSTUTZ, ED. (Material Testing).
ANGEHRN, O. (Accountancy, Management Economics).
BAUMANN, E. (Applied Physics).
BERGER, K. (High Voltage Engineering).
BIÄSCH, H. (Applied Psychology and Industrial Psychology).
BICKEL, E. (Technology and Machine Tools).
BLASER, J.-P. (Physics).
BÖHLER, E. (Economics and Statistics).
BORGNIS, F. (High-Frequency Technics).
BRANDENBERGER, E. (Chemistry and Industrial Materials).
BUSCH, G. (Physics).
DAENZER, W. F. (Industrial Management and Production Techniques).
DUTOIT, A. (Electrical Machines).
ECKMANN, B. (Geometry).
EPPRECHT, G. (High Frequency Technics).
FAVRE, H. (Technical Mechanics—in French).
GERBER, H. (Hydraulic Machines).
GERECKE, E. (Automatic Control and Industrial Electronics).
GRANDJEAN, E. (Hygiene).
GRÄNICHER, H. (Experimental Physics).
HÄLG W. (Reactor Technics).
HENRICI, P. (Higher Mathematics).
HERSCH, I. (Higher Mathematics—in French).
HUG, W. (Law).
LEUTHOLD, H. (Electricity Economy and Power Plants).
OLSEN, J. L. (Low Temperature Physics).
PROFOS, P. (Steam Power Plants).
ROSSET, P. R. (Economics—in French).
RUEFF, M. (Higher Mathematics—in French).
RUTISHAUSER, H. (Applied Mathematics).
SAXER, W. (Higher Mathematics).
STIEFEL, E. (Applied Mathematics).
STRUTT, M. (Advanced Electrotechnics).
TRAUPEL, W. (Turbo Machines).
WEBER, H. (Telecommunications).
ZIEGLER, H. (Technical Mechanics).
ZWEIFEL, O. (Vehicles and Mechanical Conveying).

School of Chemistry:
ANGEHRN, O. (Accountancy, Management Economics).
ARIGONI, D. (Special Organic Chemistry).
BACH, R. (Soil Science).
BERG, W. F. (Photography).
BLASER, J.-P. (Physics).
BÖHLER, E. (Economics and Statistics).
BRANDENBERGER, E. (Material Testing and Metallography).
BÜCHI, J. (Pharmaceutical Chemistry).
BURRI, C. (Petrography).
BUSCH, G. (Physics).

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DUNITZ, J. D. (Structure of Organic Molecules).
ESCHENMOSER, A. (Special Organic Chemistry).
ETTLINGER, L. (Microbiology).
FLÜCK, H. (Microscopy).
FREY-WYSSLING, A. (Botany).
GANSSER, A. (Geology).
GRANDJEAN, E. (Hygiene).
GRANICHER, H. (Experimental Physics).
GRASSMANN, P. (Heating Apparatus and Refrigeration).
GÜNTHARD, H. H. (Physical Chemistry).
GUYER, A. (Inorganic Chemical Technology).
HARDEGGER, E. (Organic Chemistry).
HEILBRONNER, E. (Special Organic Chemistry).
HOPFF, H. (Organic Chemical Technology).
HUBER, A. (Mathematics).
HUG, W. (Law).
JEGER, O. (Organic Chemistry).
KANZIG, W. (Experimental Physics).
LAVES, F. (Crystallography and Petrography).
MARINCEK, B. (Metallurgy, Foundry and Metallic Materials).
MARTIUS, C. (Biochemistry).
NEUKOM, J. (Agricultural Chemistry).
NIGGLI, A. (Structure of Crystals).
OLSEN, J. L. (Experimental Physics).
NIGGLI, A. (Structure of Crystals).
PRELOG, V. (Special Organic Chemistry).
PRIMAS, H. (Special Physical Chemistry).
DE QUERVAIN, F. (Petrography).
ROSSET, P. R. (Economics and Finance—in French).
SCHWARZENBACH, G. (Inorganic Chemistry)
ZOLLINGER, H. (Organic Chemical Technology).

School of Pharmacy:
BOVEY, P. (Entomology).
BÜCHI, J. (Pharmaceutical Chemistry).
BUSCH, G. (Physics).
FLÜCK, H. (Pharmacognosy).
FREY-WYSSLING, A. (Botany and Plant Physiology).
GÄUMANN, E. (Special Botany).
GRANDJEAN, E. (Hygiene).
HARDEGGER, E. (Organic Chemistry).
HUG, W. (Law).
KERN, H. (Micology).
LAVES, F. (Crystallography and Petrography).
MARTIUS, C. (Biochemistry).
SCHWARZENBACH, G. (Inorganic Chemistry).
SPEISER, P. P. (Composition and Preparation of Drugs).

School of Forestry:
BACH, R. (Soil Science).
BÖHLER, E. (Economics).
BOSSHARD, H. H. (Wood Technology).
BOVEY, P. (Entomology).
BURRI, C. (Crystallography and Petrography).
CUSTER, W. (Country Planning).
ELLENBERG, H. (Geobotany).
ETTLINGER, L. (Microbiology).
FREY-WYSSLING, A. (Botany and Plant Physiology).
GANSSER, A. (Geology).
GÄUMANN, E. (Special Botany).
GRUBINGER, H. (Land Reclamation).
GUTERSOHN, H. (Geography).
HUBER, A. (Higher Mathematics).
HUG, W. (Law).
JAAG, O. (Hydrobiology).
KERN, H. (Cryptogamy, Botany and Plant Pathology).
KURTH, A. (Forestry).
LAVES, F. (Crystallography and Petrography).
LE ROY, H. L. (Biometrics).
LEIBUNDGUT, H. (Forestry).
LEUPOLD, W. (Geology).
NEUKOM, J. (Agricultural Chemistry).
DE QUERVAIN, F. (Petrography).
ROSSET, P. R. (Economics—in French).
ROTH, A. (Architecture).
RUCH, F. (Botany, Cytology).
TANNER, E. (Land Reclamation).
TROMP, H. (Forestry).
TRÜMPY, R. (Geology).
ULRICH, H. (Zoology).
WINKLER, E. (Country Planning).

School of Agriculture:
ANGEHRN, O. (Accounting).
BACH, R. (Soil Science).
BÖHLER, E. (Economics and Statistics).
BOVEY, P. (Entomology).
BURRI, C. (Petrography).
CRASEMANN, E. (Live-Stock Feeding).
CUSTER, W. (Country Planning).
ELLENBERG, H. (Geobotany).
ETTLINGER, L. (Microbiology).
FLÜCK, H. (Microscopy).
FREY-WYSSLING, A. (Botany and Plant Physiology).
GANSSER, A. (Geology).
GÄUMANN, E. (Plant Pathology).
GRUBINGER, H. (Land-Reclamation).
GUTERSOHN, H. (Geography).
GUYER, A. (Inorganic Chemical Technology).
HEUSSER, O. (Physiology and Hygiene of Domestic Animals).
HOWALD, O. (Agricultural Management).
HUBER, A. (Mathematics).
HUBER, G. (Pedagogy).
HUG, W. (Law).
JAAG, O. (Hydrobiology).
KERN, H. (Cryptogamy, Botany and Plant Pathology).
KOBLET, R. (Plant Breeding).
LAVES, F. (Crystallography and Petrography).
LE ROY, H. L. (Biometrics).
LÖRTSCHER, H. (Animal Husbandry).
MARTIUS, C. (Biochemistry).
MÜLLER, I. (Physics).
NEUKOM, J. (Agricultural Chemistry).
DE QUERVAIN, F. (Petrography).
ROSSET, P. R. (Economics).
RUCH, F. (Botany, Cytology).
TANNER, E. (Land-Reclamation).
ULRICH, H. (Zoology).
WINKLER, E. (Country Planning).
ZOLLIKOFER, E. (Dairy Technics).

School of Rural Engineering and Surveying:
ANGEHRN, O. (Accounting).
BACH, R. (Soil Science).
BERG. W. F. (Photography).
BLASER, J.-P. (Physics).
BÖHLER, E. (Economics and Statistics).
BURRI, C. (Petrography).
BUSCH, G. (Physics).
CUSTER, W. (Regional and National Planning).
ECKMANN, B. Higher) Mathematics).
ELLENBERG, H. (Geobotany).
FAVRE, H. (Technical Mechanics—in French).
GANSSER, A. (Geology).
GASSMANN, F. (Geophysics).
GRUBINGER, H. (Land-Reclamation).
GUTERSOHN, H. (Geography).
HENRICI, P. (Higher Mathematics).
HERSCH, I. (Higher Mathematics—in French).
HOFACKER, K. (Structural Statics).
HUG, W. (Law).
IMHOF, E. (Cartography).
JAAG, O. (Hydrobiology).
KASPER, H. (Photogrammetry).
KOBOLD, F. (Geodesy and Topography).
LAVES, F. (Crystallography and Petrography).
LEUPOLD, W. (Geology).
PFLUGER, A. (Higher Mathematics).
DE QUERVAIN, F. (Petrography).
ROSSET, P. R. (Economics—in French).
RUEFF, M. (Geometry—in French).
SCHNITTER, G. (Hydraulics).
SPECKER, L. (Linear Algebra).
STAHEL, M. (Railway, Road, and Tunnel Construction).
STIEFEL, E. (Applied Mathematics).
TANNER, E. (Land-Reclamation).
TRÜMPY, R. (Geology).
WALDMEIER, M. (Astronomy).
WEBER, M. (Geophysics).
WINKLER, E. (Country Planning).
ZIEGLER, H. (Technical Mechanics).
ZWEIFEL, O. (Mechanical Engineering).
(Vacant—Traffic Engineering).

School of Mathematics and Physics:
ACKERET, J. (Aerodynamics).
BAUMANN, E. (Applied Physics).
BERG, W. F. (Photography).

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BLASER, J.-P. (Experimental Physics).
BORGNIS, F. (High Frequency Technics).
BUSCH, G. (Physics).
ECKMANN, B. (Higher Mathematics).
FAVRE, H. (Technical Mechanics—in French).
FIERZ, M. E. (Theoretical Physics).
GASSMANN, F. (Geophysics).
GRÄNICHER, H. (Experimental Physics).
GÜNTHARD, H. H. (Physical Chemistry).
HÄLG, W. (Reactor Technics).
HENRICI, P. (Higher Mathematics).
HERSCH, I. (Higher Mathematics—in French).
HOPF, H. (Higher Mathematics).
HUBER, A. (Mathematics).
HUBER, G. (Pedagogy).
JOST, R. (Theoretical Physics).
KÄNZIG, W. (Experimental Physics).
KASPER, H. (Photogrammetry).
KOBOLD, F. (Geodesy and Topography).
LAVES, F. (Crystallography and Petrography).
LE ROY, H. L. (Biometrics).
LINDER, A. (Mathematical Statistics).
MARMIER, P. (Nuclear Physics).
NIGGLI, A. (Structure of Crystals).
OLSEN, J. (Experimental Physics).
PFLUGER, A. (Higher Mathematics).
PRIMAS, H. (Physical Chemistry).
RUEFF, M. (Geometry—in French).
RUTISHAUSER, H. (Applied Mathematics).
SAXER, W. (Higher Mathematics).
SPECKER, E. (Higher Mathematics).
STIEFEL, E. (Applied Mathematics).
TRAUPEL, W. (Reactor Technique).
WALDMEIER, M. (Astronomy).
WEBER, M. (Geophysics).
ZIEGLER, H. (Mechanics).

School of Natural Science:

ARIGONI, D. (Special Organic Chemistry).
BACH, R. (Soil Science).
BERG, W. F. (Photography).
BLASER, J.-P. (Experimental Physics).
BOSSHARD, Hs. H. (Plant Physiology).
BOVEY, P. (Entomology).
BURRI, C. (Petrography).
BUSCH, G. (Physics).
CUSTER, W. (Regional and National Planning).
DUNITZ, J. D. (Structure of Organic Molecules).
ELLENBERG, H. (Geobotany).
ESCHENMOSER, A. (Special Organic Chemistry).
ETTLINGER, L. (Microbiology).
FLÜCK, H. (Microscopy).
FREY-WYSSLING, A. (Botany and Plant Physiology).
GANSSER, A. (Geology).
GASSMANN, F. (Geophysics).
GÄUMANN, E. (Special Botany).
GRÄNICHER, H. (Experimental Physics).
GÜNTHARD, H. H. (Physical Chemistry).
GUTERSOHN, H. (Geography).
GUYER, E. (Inorganic Chemical Technology).
HALG, W. (Reactor Technics).
HARDEGGER, E. (Organic Chemistry).
HEILBRONNER, E. (Organic Chemistry).
HOPFF, H. (Organic Chemical Technology).
HUBER, A. (Mathematics).
HUBER, G. (Pedagogy).
IMHOF, E. (Topography and Cartography).
JAAG, O. (Hydrobiology).
JEGER, O. (Organic Chemistry).
JOST, R. (Theoretical Physics).
KÄNZIG, W. (Experimental Physics).
KASPER, A. (Photogrammetry).
KERN, H. (Micology).
KOBOLD, F. (Geodesy and Topography).
KUHN-SCHNYDER E. (Palaeontology).
LAVES, F. (Crystallography and Petrography).
LE ROY, H. L. (Biometry).
LEUPOLD, W. (Geology).
LINDER, A. (Mathematical Statistics).
MARMIER, P. (Nuclear Physics).
MARTIUS, C. (Biochemistry).
MÜHLETHALER, K. (Electronic Microscopy).
NEUKOM, J. (Agricultural Chemistry).
NIGGLI, A. (Structure of Crystals).
OLSEN, J. L. (Experimental Physics).
PRELOG, V. (Organic Chemistry).
PRIMAS, H. (Special Physical Chemistry).
DE QUERVAIN, F. (Petrography).
RUCH, F. (General Botany).
SAXER, W. (Higher Mathematics).
SCHWARZENBACH, G. (Inorganic Chemistry).
STIEFEL, E. (Applied Mathematics).
TRÜMPY, R. (Geology).
ULRICH, H. (Zoology).
WALDMEIER, M. (Astronomy).
WEBER, M. (Geophysics).
WINKLER, E. (Country Planning and Human Geography).
ZOLLINGER, H. (Organic Chemical Technology).

Courses in Physical Education:

GRANDJEAN, E. (Hygiene and Physiology).
WARTENWEILER, G. (Physical Education).

Department of General Studies, Section A (Philosophy, Literature, Social Sciences and Economics):

ANGEHRN, O. (Economics).
BÖHLER, E. (Economics—in German).
CALGARI, G. (Italian Language and Literature).
DE SALIS, J. R. (History).
GRADMANN, E. (History of Art).
HUBER, G. (Philosophy and Pedagogy).
HUG, W. (Law).
LÜTHY, H. (History).
ROSSET, P. R. (Political Economy—in French).
SCHMID, K. (German Language and Literature).
VIATTE, A. (French Language and Literature).
VOGT, A. D. (History of Art).
WILDI, M. (English Language and Literature).
(Vacant—Archæology.)

AFFILIATED INSTITUTES

Eidgenössische Materialprüfungs- und Versuchsanstalt für Industrie, Bauwesen, und Gewerbe (*Federal Institute for Testing Material and Research*): Dübendorf, nr. Zürich, and Unterstrasse 11, St. Gallen.
Directors: Prof. AMSTUTZ (Pres.), Prof. Dr. BRANDENBERGER, Prof. Dr. ENGELER.

Eidgenössische Anstalt für das fortliche Versuchswesen (*Federal Forest Experiment Station*): Birmensdorf, near Zürich.
Director: Prof. Dr. A. KURTH.

Fernheizkraftwerk (*District Heating and Power Station*): Sonneggstrasse 3, Zürich 6.
Director: Prof. H. LEUTHOLD.

Versuchsanstalt für Wasserbau und Erdbau (*Laboratory for Hydraulic Research and Soil Mechanics*): Gloriastrasse 37/39, Zürich 7.
Director: Prof. G. SCHNITTER.

Eidgenössische Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz (*Federal Institute for Water Supply, Sewage Purification and Water Pollution Control*): Physikstrasse 5, Zürich 7/44.
Director: Prof. Dr. O. JAAG.

Abteilung für Betriebswissenschaftliche Forschung und Beratung des Betriebswissenschaftlichen Instituts (*Research and Advisory Section of the Department of Industrial Management*): Zürichbergstrasse 18, Postfach Zürich 28.
Director: Prof. W. F. DAENZER.

Institut für Wirtschaftsforschung (*Institute of Economic Research*): Leonhardstrasse 33, Zürich 6.
Director: Prof. Dr. BÖHLER.

Abteilung für industrielle Forschung des Instituts für Technische Physik (*Industrial Research Section of the Department of Applied Physics*): Gloriastrasse 35, Zürich 7.
Head: Prof. Dr. E. BAUMANN.

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Schweizerischer Erdbebendienst, Annex zum Institut für Geophysik (*Swiss Seismological Service, affiliated to the Department of Geophysics*): Leonhardstrasse 33, Zürich 6.
Director: Prof. Dr. F. GASSMANN.

Eidgenössisches Institut fur Reaktorforschung (*Federal Institute for Reactor Research*): Wurenlingen (Aargau).
Directors: Dr. W. ZÜNTI and Dr. A. FRITZSCHE.

COLLEGES

HOCHSCHULE ST. GALLEN FÜR WIRTSCHAFTS- UND SOZIALWISSENSCHAFTEN
(St. Gallen Graduate School of Economics, Business and Public Administration)

ST. GALLEN
Founded 1898

Rector: Prof. Dr. OTTO KONSTANTIN KAUFMANN.
Pro-Rector: Prof. Dr. WALTER ADOLF JÖHR.

Number of teachers: 100.
Number of students: 1,000.

HEADS OF DEPARTMENTS:

Department of Business Administration: Prof. Dr. WILHELM HILL.
Department of Economics and Economic Geography: Prof. Dr. WALTER ADOLF JÖHR.
Department of Jurisprudence: Prof. Dr. OTTO KONSTANTIN KAUFMANN.
Department of Technology and Natural Sciences: Prof. Dr. WERNER WEBER.
Department of Languages, History and Philosophy: Prof. Dr. RAYMOND TSCHUMI.

PROFESSORS:

BACHMANN, HANS (Applied Economics).
BEAUSIRE, PIERRE (French Language and Literature).
BÜRGI, WOLFHART FRIEDRICH (Civil and Commercial Law).
DOERIG, JOHANN A. (Spanish and Portuguese Language and Literature).
ENGELER, ALFONS (Chemistry and Chemical Technology).
FONTANA, PIO (Italian Language and Literature).
GEIGER, WILLI (Public Law).
GROSSMANN, MARCEL (Insurance).
GSELL, EMIL (Business Administration and Statistics).
GUTERSOHN, ALFRED (Applied Economics).
HENN, RUDOLF (Econometrics and Operations Research).
HILL, WILHELM (Business Administration).
HUNZIKER, WALTER (Tourism).
JÖHR, WALTER ADOLF (Economics).
KAUFMANN, OTTO KONSTANTIN (Law).
KELLER, THEO (Economics and Finance).
KNESCHAUREK, FRANCESCO (Economics and Statistics).
KÜNG, EMIL (Economics and Statistics).
NAEGELI, EDUARD (Law of Contracts, Commercial Law).
STEINLIN, PETER (Insurance).
THÜRER, GEORG (German Language and Literature, Swiss History).
TSCHUMI, RAYMOND (English Language and Literature).
ULRICH, HANS (Business Administration).
UNGRICHT, JEAN (Psychology and Pedagogy).
WALTER, EMIL J. (Sociology).
WEBER, WERNER (Chemistry and Chemical Technology).
WEINHOLD, HEINZ (Business Administration).

Faculté de Théologie de l'Eglise Evangélique libre du Canton de Vaud (*Theological College of the Free Evangelical Church of the Canton of Vaud*): Lausanne; f. 1847.
President: Rev. F. BAUDRAZ.
Vice-President: Prof. P. JAVET.
Dean: Prof. P. BONNARD.
Librarian: Mme VOELKE.
The library contains 97,000 volumes.
Number of teachers: 9.

PROFESSORS:

AMSLER, S. (Old Testament Exegesis and Theology).
BONNARD, P. (New Testament Exegesis and Theology).
BRIDEL, CL. (Practical Theology II).
PETER, E. (Church and Dogma History).
RUMPF, L. (Practical Theology).
WIDMER, G. (Dogma).

Schweizerisches Institut für Auslandforschung (*Swiss Institute of International Studies*): Münstergrasse 9, Zürich.
Executive Director: Dr. A. HUNOLD.
President of the Board: Ständerat Dr. E. VATERLAUS.

PROFESSORS:

BARTH, HANS (Philosophy).
BOESCH, H. (U.S.A.).
BÜCHNER, R. (Economics).
KÄGI, WERNER (Public Law).
KARRER, P. (Chemistry).
KELLER, D. A. (U.S.A.; European and American Co-operation).
LUTZ, F. A. (Economics).
SILBERSCHMIDT, M. (U.S.A.).
STEIGER, A. (Central and South America; Arabian States).
STRAUMANN, H. (English and American Literature).

Textil- und Modeschule: Vadianstrasse 2, St. Gallen; f. 1878; school of textile design, lace and embroidery, fashion-designing and general training for textile industry attached to Industrie- und Gewerbemuseum; 8 teachers; about 300 students; library of 6,000 vols.
Director: HANS STETTBACHER.

PSYCHOLOGY

C. G. Jung-Institut Zürich: Gemeindestrasse 27, Zürich; f. 1948; co-ordinating centre for all activities in the field of analytical psychology as conceived by C. G. Jung; clinical and professional training programme leading to a Diploma; courses of instruction and seminars in German and English; research section; symbol archives and library.
Curatorium: F. RIKLIN, M.D. (President), K. W. BASH, M.D., F. BAUMANN, LL.D., K. BINSWANGER, M.D., Prof. E. BOHLER, DR.RER.POL, LILIANE FREY, PH.D., JOLANDE JACOBI, PH.D.
Director of Studies: J. HILLMAN, PH.D.
Secretary: ALICE MAURER.
Publication: Studies from the C. G. Jung Institute.
Number of teachers: 35.
Number of students: 125.

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SCHOOLS OF ART AND MUSIC

Art

Ecoles d'art de Genève: Dir. Marcel Feuillat.

Ecole des beaux-arts: 9 Bd. Helvétique; f. 1748; painting, sculpture.

Ecole des arts décoratifs: 15 Bd. James Fazy; f. 1876; industrial art, fashion designing, interior decoration, jewellery designing, decorative painting, enamel and ceramics.

Ecole Cantonale des Beaux-Arts et d'Art appliqué: Place Riponne 2 bis, Lausanne; Dir. E. Manganel.

Music

Musik-Akademie der Stadt Basel: Basle, Leonhardsstrasse 4-8; f. 1867; Dirs. Walter Müller von Kulm, Dr. h.c. Paul Sacher.

Number of teachers: 121.

Number of students: Musikschule 1,998, Konservatorium 243, Schola Cantorum Basiliensis 483, total 2,724.

Konservatorium für Musik in Bern: Kramgasse 36, Berne; f. 1858; Pres. Dr. H. Weyermann; Sec. Rudolf von Fischer; Dir. Dr. Alphonse Brun.

Conservatoire et Académie de Musique (*Schola Cantorum Friburgensis*): Fribourg; Dir. Aloys Fornerod.

Conservatoire de Musique: Geneva; f. 1835; organises a yearly International Competition for musical performers which attracts young virtuosi of all countries; Dir. Samuel Baud-Bovy.

Académie de Musique: Geneva; f. 1886.

Conservatoire de Musique: 6 rue du Midi, Lausanne; f. 1861 under the auspices of the State and of the City of Lausanne; 950 students; Dir. Carlo Hemmerling.

Conservatoire de Musique: Neuchâtel; Dir. Roger Boss, pianist.

Konservatorium und Musikhochschule Zürich: Florhofgasse 6, Zürich 1; f. 1876; the largest Swiss school of music controlled by the public authorities; professional school, providing comprehensive musical courses for teachers, performers, conductors, composers, leading to State diplomas; department for children and amateurs; about 80 teachers and more than 2,400 pupils and students; Dir. Rudolf Wittelsbach; publ. *Der Bindebogen* (10-12 numbers per year).

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SYRIA

Population 4,972,316

LEARNED SOCIETIES

The Academy of Damascus: Damascus; f. 1919.

President: Amir Mostafa El Shihabi.
Secretary: Amir Gaafar El Hasani.

Members:

Dr. Asaad El Hakim	Dr. Amgad El Tarabolsi
Sheikh Bahga El Bitar	Dr. Gamil Salibia
Dr. Hosni Sabah	Sami El Dahan
Dr. Hekmat Hashim	Shafik Gabry
Dr. Shokry Faysal	Dr. Salah El Din El Kawakebi
Aref El Nakady	Dr. Adnan El Khatib
Ezz El Din El Tanoukhi	Fares El Khouri
Dr. Kamel Ayad	Mohamed El Mobarak

Goethe Institut: Damascus; German cultural centre.

Hispanic Cultural Centre: Damascus; Spanish centre.

Institut Français d'Etudes Arabes: Beirut; f. 1928; library of 17,000 vols.; Dir. Henri Laoust; Gen. Sec. Nikita Elisséeff; publs. *Bulletin d'Etudes Orientales* (bi-annually), monographs, translations and Arabic texts.

U.S. Information Center: Seba Bahrat Circle, Damascus.

LIBRARIES

Al Maktabah Al Wataniah (*National Library*): Bab El-Faradj, Aleppo; f. 1924; Librarian Younis Roshdi.

Damascus University Library: Damascus; f. 1924; 60,000 vols., subscribes to 400 scientific, literary and specialised journals and magazines; Librarian Yousef G. Zakkhour; publs. *Conférences Générales* (annual); *Review* (twice yearly), *Faculty of Pedagogy Review.*

Dar al-Koutoub al-Wataniah (*National Library*): Homs.

Dar ul Kutub Al Zahiriah (*National Library*): Damascus; f. 1880; 65,000 vols. 8,000 MSS; Dir. A. Hachem; Librarians Omar Ridah Kahhaleh, A. Hassani.

Az-Zahiriyah (*Library of the Academy of Damascus*): Damascus; f. 1881, attached to the Arab Academy 1919; 59,000 vols., 9,000 MSS.; Librarian Abdul-Hadi Hachem.

National Library of Latakia: Latakia; f. 1944; 12,000 vols.; Dir. Mohamad Ali Ntayfi.

MUSEUMS

Aleppo Museum: Aleppo; archaeology.

Casr-El-Azem: Damascus.

Museum Al Zahiriah: Damascus.

National Museum: Syrian University Street, Damascus 4; f. 1919; Details of exhibits: Ancient Oriental, Greek, Roman, Byzantine, Islamic and modern art collections; of special interest is the reconstruction of the Palmyrene Hypogeum of Yarhai (2nd century A.D.), of the Dura Synagogue (3rd century A.D.), and of the Umayyad Qasr El-Hair El-Gharbi (8th century A.D.); houses the Directorate-General of Antiquities, established by decree in 1947 to conserve Syrian antiquities and to supervise the archæological museums and the excavations; Dir. Dr. Selim Abdul-Hak; publ. *Les Annales Archéologiques de Syrie.*

Palmyra Museum: Palmyra; f. 1961; archaeological.

UNIVERSITIES

UNIVERSITY OF ALEPPO

ALEPPO
Telephone: 14660-14661

Founded 1960

Rector: Toufic Monnajed.
Secretary-General: Adnan Ouaira.

Number of students: 600.

Deans:

Faculty of Engineering: Robert Elias.
Faculty of Agriculture: Ali El Khichen.
Faculty of Law: (Vacant).

DAMASCUS UNIVERSITY

DAMASCUS
Telephone: 15100
Telegraphic Address: Damascus University, Damascus.

Founded 1923

Rector: Dr. Ahmed Samman.
Vice-Rector: Prof. Taufik Mounajed.
General Secretary: Farid Succary.
Registrar: Hassan Habal.
Librarian: Joseph Zakhour.

Number of teachers: 150.
Number of students: 13,875.
Publications: *The University Handbook, The University Bulletin, The University Series of General Lectures.*

Deans:

Faculty of Law: Dr. Ahmed Samman.
Faculty of Medicine: Dr. Izzat Moureiden.
Faculty of Engineering: Dr. Abdel Aziz Saleh.
Faculty of Science: Prof. Nadar Naboulsy.
Faculty of Arts: Dr. Salah Omar Basha.
Faculty of Education: Dr. Jamil Saliba.
Faculty of Dentistry: Dr. Djamal Nassar.
Faculty of Islamic Jurisprudence: Prof. Mouhammad Moubarak.
Faculty of Business Administration: Dr. Rachid Daker.

Associate Institute

Institute of Commercial Sciences: Dir. Dr. Nihad Sibai.

COLLEGES

Aleppo Institute of Music: f. 1955; departments of Eastern and Western music.

Damascus Oriental Institute of Music: f. 1950; departments of Eastern and Western music; aims to revive Arab music and preserve Syrian folk dances and tunes.

Higher Agricultural Institute: Damascus.

Higher Institute for Social Service: Rawda, Damascus; f. 1962; economic and social studies.

Higher Polytechnic Institute: Damascus; f. 1961; mechanical, production, automobile, electrical engineering.

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TANGANYIKA

Population 9,560,000

LEARNED SOCIETIES

British Council, The: Independence Avenue, P.O. Box 9100, Dar es Salaam; Rep. M. W. JONES; brs. at Boma Road, P.O. Box 426, Moshi; and P.O. Box 487, Mwanza.

East African Literature Bureau: Tanganyika: P.O. Box 1408, Dar es Salaam; Dir. C. G. R. RICHARDS, O.B.E.; Book Production Officer Mrs. M. M. ALDRIDGE.

Tanganyika Society, The: Box 511, Dar es Salaam; a non-political society catering for the geographical, ethnological, historical, and general scientific interests of Tanganyika; publ. *Tanganyika Notes and Records* (bi-annually).

U.S. Information Service: P.O. Box 9170, Independence Avenue/Ingles Street, Dar es Salaam.

REGIONAL INSTITUTES

British Institute of History and Archaeology in East Africa: Dar es Salaam; f. 1960; courses for students in historical and archaeological field-work; in close liaison with Makerere College and the Kampala Museum; Chair. Sir MAURICE BOWRA; Treas. Sir GEORGE BERESFORD-STOOKE; Dir. NEVILLE CHITTICK.

East African Institute of Social Research: *see* Uganda.

East African Literature Bureau: *see* Kenya.

East African Natural History Society: *see* Kenya.

East African Swahili Committee: Office and Library, University College, Dar es Salaam, Tanganyika; carries out research; promotes the standardisation of orthography and the development of the language generally; Sec. Dr. J. KNAPPERT who is responsible for the new Swahili Dictionary; publs. *Swahili* (bi-annual), *Supplements, Johari* (Literary Treasures).

RESEARCH INSTITUTES

Forest Department Headquarters: P.O. Box 426, Dar es Salaam; forestry surveying, mapping, management and economics; library of 1,500 vols.; Chief Conservator R. G. SANGSTER.

Geological Survey Division: Ministry of Commerce and Industry, P.O. Box 69, Dodoma; geological, mining and metallurgical research; library of 3,500 vols.; Commissioner J. W. PALLISTER.

Livestock Experimental Station: Mpwapwa; also:
Northern Research Centre: Tengeru, Arusha.
Western Research Centre: Ukiriguru, nr. Mwanza.
Central Research Centre: Ilonga, Kilosa.
Southern Research Centre: Nachingwea.

Sisal Research Station (Mlingano): P.O. Ngomeni; research on sisal cultivation and preparation.

REGIONAL INSTITUTES

Tanganyika is a member of the East African Common Services Organisation and its Research Institutes: *see* Great Britain—Overseas Territories. Institutes of the Organisation in Tanganyika:

East African Institute of Malaria and Vector-borne Diseases: Amani, Tanga; f. 1949; investigation into human vector-borne diseases, especially malaria and bilharzia; Dir. Dr. G. PRINGLE.

East African Institute for Medical Research: P.O. Box 162, Mwanza; f. 1949; investigations into various tropical diseases with emphasis on Bilharziasis, and ophthalmological problems in East Africa; Dir. Dr. P. JORDAN; publ. *Annual Report.*

Tropical Pesticides Research Institute: P.O. Box 3024, Arusha; f. 1962; research into tropical pests, including medical and veterinary carriers of disease, insect pests and weeds in agricultural crops; Dir. K. S. HOCKING.

Tea Research Institute of East Africa: *see* Kenya.

LIBRARIES

Arnautoglu Library: Dar es Salaam; books in English, Swahili and Arabic.

British Council Library: P.O. Box 9100, Dar es Salaam; 6,000 vols.; Librarian Mrs. M. J. TOWNSON; br. at Moshi, 800 vols.

Dar es Salaam Community Centre Free Library: Dar es Salaam; 3,000 vols. in Kiswahili and English available for distribution in 85 library boxes throughout the Tanganyika Territory, and by individual postal serviec from East African Literature Bureau, P.O. Box 1408, Dar es Salaam.

Dar es Salaam Technical College Library: P.O. Box 20571, Dar es Salaam; 16,000 vols.; Librarian YUSUEU M. HATIPU.

King George VI Memorial Library: P.O. Box 391, Tanga; f. 1958; 15,000 vols. in English, Gujerati, German, French, Italian, Urdu, Arabic and Swahili; Librarian Mrs. MARY E. F. CROWTHER, B.A., L.A.

Ladha Maghji Indian Public Library: P.O. Box 70, Mwanza; 3,000 vols.; Librarian C. B. VYAS.

Tanganyika Information Services Library: Dar es Salaam; reference books on Tanganyika.

U.S. Information Service: Acacia Avenue, P.O. Box 9170, Dar es Salaam; books on America; 1,900 vols.; Librarian Mrs. R. TENRAA, L.A.

MUSEUM

National Museum of Tanganyika, The: P.O. Box 511, Dar es Salaam; f. 1940 as King George V Memorial Museum, name changed 1963; ethnography, archæology and history; also houses reference library; Chair. Chief LUGUSHA; Curator STANLEY E. WEST, M.A., A.M.A.

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UNIVERSITY AND COLLEGES

UNIVERSITY OF EAST AFRICA

P.O. BOX 44, ENTEBBE, UGANDA
Telephone: Entebbe 881

Founded 1963

Vice-Chancellor: B. DE BUNSEN, C.M.G., M.A.

Comprises: Makerere College (*see* Uganda), The Royal College (*see* Kenya), and the University College, Dar es Salaam (*see* below).

UNIVERSITY COLLEGE

DAR ES SALAAM

Founded 1961

Principal: R. C. PRATT, B.A., B.PHIL.
Registrar: Dr. W. K. CHAGULA, M.A., L.M.S.
Secretary: H. L. SNAITH, M.A.
Librarian: H. HOLDSWORTH, M.A., F.L.A.

Number of teachers: 17.
Number of students: 90.

DEAN:

Faculty of Law: Prof. A. B. WESTON, LL.B., B.C.L.

PROFESSORS:

GRIFFITHS, I. (Biology).
HONEYBONE, R. C. (Education).
KIMBLE, D. (Political Science).
MAHOOD, Miss M. M. (Literature).
RANGER, T. O. (History).
SVENDSEN, K. E. (Economics).
WESTON, A. B. (Law).
WHITELEY, W. H. (Linguistics).

Dar es Salaam Technical College: P.O. Box 20571, Dar es Salaam.

Kivukoni College: Dar es Salaam; f. 1960; eight-month residential courses for adults in Politics, Economics, Social History, African History and Sociology; controlled by independent governing council and subsidised by the Tanganyika Education Trust; Principal NORMAN SCOTNEY; 52 students.

St. Andrew's Teacher Training College: P.O. Box 143, Korogwe, Tanga Region; Principal PETER STRINGER.

St. Philip's Theological College: Kongwa; f. 1920; the training college of the Dioceses of Central Tanganyika and Southern Victoria Nyanza, and for the Moravian Church in Tanganyika; Acting Principal Rev. DAVID M. HEWETSON, TH.L.

Usambara Trade School: Lushoto; f. 1961; 70 students.

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THAILAND

Population 27,900,000

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

British Council, The: 122-5 Chakrapetr Road, Bangkok; Rep. H. C. BURROW.

German Cultural Institute: 102/1 Phra Athit Road, Bangkok; Dir. Dr. W. KUENZEL.

Medical Association of Thailand: Bumrung Muang Road, Bangkok; f. 1920; 838 mems.; Pres. CHALERM BHROMMAS, PH.D.; Hon. Sec. Dr. SA NGAS PLONG VANIJ; publ. *Medical Journal* of the Association.

Royal Institute (*Royal Institute of Arts and Sciences*): Bangkok; f. 1933; 45 mems.; Vice-Pres. and Acting Pres. PHYA ANUMAN RAJATHON, HON. D.LITT.; Sec.-Gen. LUANG PRAPHAN PHAIRACHPHAK; publ. *Journal of the Royal Institute* (Ratchabandit San).

Teachers' Institute: Prachatipat Road, Bangkok; f. 1914; 107,660 mems.; Sec.-Gen. Mr. PRAVES CHANDANAYINGYONG; publ. *Vidyacharya* and *Praja Suksha*.

Thai-Bharat Cultural Lodge (f. 1940) and **Swami Satyananda Puri Foundation Library** (f. 1942): 136/1 Siriphongs Road, Bangkok; 450 mems.; the Swami Satyananda Foundation Library contains 5,500 vols.; Hon. Pres. PHYA AUMAN RAJADHON; Hon. Sec. PANDIT RAGHUNATH SHARMA; classes conducted by the Lodge: in Sanskrit and English, PANDIT RAGHUNATH SHARMA, S. N. DAS GUPTA; in Hindi, PANDIT RAGHUNATH SHARMA; in Thai, KARUNA KUSALASAYA; on comparative Indic-Siamic topics, comparative philosophy and religion, exegesis of Hindu scriptures, PANDIT SATYA NARAIN TRIPATHI; publs. *Ramakirti* (English translation of the Thai version of the *Ramayana*), *Speeches and Writings of Swami Satyananda Puri*, *Life of Mahatma Gandhi* (Thai and English), *Life of Pandit Nehru* (Thai), *Life of Guru Govind Singh* (Thai), *Sex* (Thai), *Inferiority Complex* (Thai), *Spirit* (Thai), *Logic* (Thai), *Buddhist Philosophy* (4 vols., Thai).

Siam Society (*formerly* the Thailand Society): 131 Asoka Road, Bangkapi, P.O. Box 65, Bangkok; f. 1904; 660 mems. (1960); for the investigation and encouragement of art, science and literature of Thailand and neighbouring countries; publs. *Journals*, *Natural History Bulletins*, *Florae Siamensis Enumeratio*, *Coinage of Thailand*, *The Thai Peoples*, *The Orchids of Thailand*; Commemorative publication (2 vols.) for the 50th Anniversary of the Society.
Patron: H.M. KING OF SIAM.
President: H.H. Prince DHANI NIVAT.
Hon. Secretary: H.S.H. Prince AJAVADIS DISKUL.
Hon. Librarian: J. J. BOELES.
Chairman of Exchange Committee: H.S.H. Prince SUBHADRADIS DISKUL.
The library contains 4,000 volumes.

U.S. Information Centers:
105 Patpong Road, Bangkok; brs. at Chiengmai, Korat, Songkhla, Udorn and Ubol.

LIBRARIES

Chulalongkorn University Library: Phya Thai Road, Bangkok; 50,000 vols.; Librarian Miss SUTHILAKS AMBHANWONGSE, B.A., M.S.L.S.

Library of the Kasetsart University: Bangkhen, Bangkok-f. 1943; 16,769 vols.; Librarian Mrs. PRAPAI CHANGCHENKIT.

National Library: Na Phra Thad Road, Bangkok; f. 1905; vols. in library: printed books 88,501, manuscripts 42,395; Chief Librarian TRI AMATYAKUL; Librarian CHINT WATTANAPRIDA; Chief, Research Section, Miss KULLASAP CHUENROONGROJ; publ. *Wara-San Silapakawn* (Journal of the Fine Arts Dept.).

Neilson Hays Library: 195 Suriwongse Road, Bangkok; f. 1869; Pres. Mrs. P. H. R. MARSHALL; Librarian MOM RAJWONGSE NAPACHARI SIRISINHA.

Thammasat University Library: Bangkok; f. 1933; 69,687 vols., 371 periodicals; Librarian Mrs. CHITTRA PRANICH.

MUSEUM

National Museum: Bangkok; f. 1926; prehistoric implements, bronze and stone sculptures, cloth, clothes, ancient weapons, ancient coins, wood-carving, ceramics, royal chairs and seats, theatrical masks and dresses, etc.; Curator SOMPHORN YUPHO; publs. *Bibidhabhandasar*, *Antiquities in the National Museum*, *Guide to the Museum*, *Guide to the National Museum*, Lopburi, etc.

UNIVERSITIES

UNIVERSITY OF CHIENGMAI

CHIENGMAI

Founded 1963

Faculties to include Agriculture and Teacher Training.

CHULALONGKORN UNIVERSITY

PHYA THAI ROAD, BANGKOK
Telephone: 32334
Founded 1917

President: Field-Marshal SARISDI DHANARAJTA, D.POL.SC., D.P.A., D.P.H., D.SC.(AGRIC.).
Vice-President and Rector: Air Marshal M. M. VEJYANT RANGSRISHT, B.SC.
Deputy Rector: Prof. TAB NILANIDHI, B.SC., M.S., PH.D.
Secretary-General: Prof. SUPACHAI VANIJ-VADHANA, M.S., LL.D.
Librarian: Miss SUTHILAKS AMBHANWONGSE, B.A., M.S.L.S.
The library contains 50,000 volumes.
Number of teachers: 552, including 40 professors.
Number of students: 6,500.

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DEANS:

Faculty of Engineering: Prof. PHRA CHAROEN VISAVAKUM, B.SC.
Faculty of Arts: Prof. RONG SYAMANANDA, M.A.
Faculty of Science: Prof. TAB NILANIDHI, B.SC., M.S., PH.D.
Faculty of Architecture: Prof. H.S.H. Prince VODHYAKORN VARAVAN, M.A.
Faculty of Commerce and Accountancy: Prof. PHYA JAIYOS SOMBATI, F.C.A.
Faculty of Political Science: Prof. KASEM UDHYANIN, A.S.S., C.P. Adm.
Faculty of Education: Mrs. POONSAPAYA NAVAWONGS, B.A., DIP. IN ED., M.A.

PROFESSORS:

Faculty of Engineering:
BANTLI, HANS (Mechanical Engineering).
BISALPUTRA, SANGUAN (Mechanical Engineering).
HONGSAKUL, MAHIDOL (Industrial Engineering).
LATÂVALYA, M. R. SALAB (Mining Engineering and Mining Geology).
PATTABONGSE, PISET (Mechanical Engineering).
SALVIDHANNIDES, Lt.-Gen. PHYA (Survey Engineering).
SORATHESN, AROON (Sanitary Engineering).
VISAVAKUM, PHRA CHAROEN (Civil Engineering).
YANTRAKARM, LUANG ANUSASNA (Industrial Engineering).

Faculty of Arts:
ANUMAN RAJADHON, PHYA (Thai).
PURACHATRA, H.H. PRINCE PREM (Modern Languages).
SYAMANANDA, RONG (History).
SWADIKUL, M. R. SUMONFATI (History).
TONGYAI, NOPAKHUN T. (Modern Languages).
YOSSUNTHORN, CHINTANA (Modern Languages).

Faculty of Science:
BONGSADADT, THONGSOOK (Chemistry).
DHAMAPHANIJA, CHARDEN (Physics).
IRASENA NA AYUDHYA, KALYA (Chemistry).
KAMTHONG, BUARES (Chemistry).
NILANIDHI, TAB (Chemistry).
SOMANABHANDHU, PENG (Physics).
SUNDARA-VICHARN, YEN (Physics).
TANBUNYUEN, SNOH (Mathematics).
VAJAROPALA, KLOOM (Biology).
VANIJ-VADHANA, SUPACHAI (Biology).
VIJJAKICH, LUANG SRI SMARTH (Botany).

Faculty of Architecture:
PRINYA YOGAVIBULA, LUANG (Architecture).
RATANA THATSANIYA, CHALERM (Fine and Applied Arts).
VARAVARN, M. C. VODHYAKORN (Architecture).

Faculty of Commerce and Accountancy:
JAIYOS SOMBATI, PHYA (Accountancy).
KRISHNAMARA, ABHORN (Commerce).
LEKHYANANDA, PHAYOME (Law).

Faculty of Political Science:
ARMATAYAKUL, MANU (Foreign Affairs and Diplomacy).
ARTHAKARIYA NIBONH, PHYA (Law).
HUTASINGH, PRAKOB (Law).
KANCHANADUL, PRAYOON (Law).
PRAMOJ, M. R. SENI (Law).
UDHYANIN, KASEM (Government).

Faculty of Education:
MALAKUL, M. L. PIN (Education).
NAVAWONGS, POONSAPAYA (Education).

KASETSART UNIVERSITY
(University of Agriculture)

BANGKHEN, BANGKOK

Telephone: 71026-8, 70798

Founded 1943

Rector: INSEE CHANDRASTITYA, M.S.
Registrar: PRASERT NA NAGARA, PH.D.
Librarian: Mrs. PRAPAI CHANGCHENKIT, B.A.

The library contains 15,709 volumes.
Number of teachers: 325.
Number of students: 2,321.

DEANS:

Faculty of Agriculture: JARUT SOONTARASING, B.S.A., M.S.
Faculty of Economic and Co-operative Science: Phra BICHARN BANIT.
Faculty of Fisheries: CHOTE SUVATTI, B.S.
Faculty of Forestry: THIEM KOMKRIS.
Faculty of Irrigation Engineering: NAI SANDIS VIRATHIAN, B.SC., M.ENG.
Faculty of Veterinary Science: TIANG TANSANGUAN, G.M.V.C.

PROFESSORS:

JOTISALIKARRA, CHAKRA, DIP.AGRIC. (English).
KOMKRIS, THIEM, CERT.FOR. (Silviculture).
NAGARA, PRASERT NA, B.S.A., LL.B., M.S., PH.D. (Mathematics and Statistics).
SIDDHIJAI, PRAYUL, B.S.A., M.S. (English).
SMITANANDA, PHANOM, B.S.A., M.S., ED.D. (Agronomy).
SOONTARASING, JARUT, B.S.A., M.S. (Agricultural Engineering).
SUPRICHAKORN, THERD, B.S.A., M.F. (Forestry).
SUVATTI, CHOTE, B.S. (Biology).
TANSANGUAN, TIANG, G.M.V.C. (Bacteriology and Parasitology).
THISYAMOMDOL, PANTUM, B.S.C., M.A. (Economics).

UNIVERSITY OF MEDICAL SCIENCES

SIRIRAJ HOSPITAL, DHONBURI, BANGKOK

Telephone: 60101 (Hospital), 61987 (University)

Telegraphic Address: Siriraj Hospital, Thailand

Chancellor: Field Marshal SARIT THANARAT (Prime Minister).
Vice-Chancellors: General THANOM KITTIKACHORN (Deputy Prime Minister), Maj. Gen. K. N. BONGSPRAPANDH (Deputy Prime Minister).
Rector: SVASTI DAENGSVANG, D.P.H., D.T.M., SC.D.
Secretary-General (Registrar): CHAMLONG HARINASUTA, M.D., D.SC., D.T.E., PH.D.
Librarian: UTHAI DHUTIYABHODI, B.A., M.S.C.

The library contains 32,491 vols.
Number of teachers: 632, including 44 professors.
Number of students: 2,978.
Publications: *University Announcement, Siriraj Hospital Gazette.*

DEANS:

Faculty of Medicine and Siriraj Hospital: JAJAVAL OSATHANONDH, M.D., M.D., D.T.M., SC.D.
Faculty of Medicine, Chulalongkorn Hospital: M. L. KASETRA SNIDVONGS, M.B., B.S.
Faculty of Dentistry: SEE SIRISINHA, M.B., B.S.
Faculty of Pharmacy: CHALOR SOLASACHINDA, PH.D., B.SC.(PHAR.), SC.D.
Faculty of Public Health: SVASTI DAENGSVANG, D.P.H., D.T.M., SC.D.
Faculty of Medical Technology: VIKUL VIRANUVATTI, M.D.
Faculty of Medicine, Chiengmai Hospital: BUNSOM MARTIN, M.D., M.P.H.(T.M.).
Faculty of Medical Sciences: STANG MONGKOLSUK, M.SC., PH.D.
Faculty of Tropical Medicine: CHAMLONG HARINASUTA, M.D., D.SC., D.T.M., PH.D.

PROFESSORS:

AMNUEY, SMERASUTA, M.D., D.M.R.E., F.I.C.S.
ARUN, NETRASIRI, Dr. Med., D.T.M.
AMARA CHANDRAPANOND, M.D., D.SC.
ABHAYA JAMUNI, M.D., M.D. (Hon.).

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BANYEM, DAVIBHADHANA, M.D., PH.D., F.I.C.S., M.D. (Hon.).
BARA VARAVEJ, M.D., F.I.C.S., M.D. (Hon.).
BUNLIANG, TAMTHAI, M.D., M.A., D.SC., M.D. (Hon.).
CHALOR, SOLASACHINDA, PH.G., B.SC., SC.D.
CHAMRAS, CHAYABONGSE, B.SC., M.SC.
CHERDCHALONG NETRASIRI, M.D., M.D. (Hon.).
CHITT, TUCHINDA, M.D., D.T.M., M.D. (Hon.).
CHOOP JOTIKASATHIRA, M.R.C.S., L.R.C.P., M.D. (Hon.).
DAENG, KANCHANARANYA, M.D. (Hon.), F.I.C.S.
DHARA SUKHAVACHANA, M.D., DT.MED.
DHAVI TUMRASVIN, M.B., B.S., L.R.C.P., M.R.C.S., D.T.M.
DHIRA UDHAYANANG, M.D., M.D. (Hon.).
EUM SILA-ON, DIP. IN MED., M.D. (Hon.).
FUANG, SATYASNGUAN, M.D., F.I.C.S.
HIRAN SARIATHONG, M.D., LL.B.
JAJAVAL OSATHANONDH, M.D., DR.MED., D.T.M., M.D. (Hon.).
KASARN CHARTIKAVANIJ, M.R.C.S., L.R.C.P., D.T.M., F.A.C.S.
KASETRA SNIDVONGS, M.B., B.S., M.D. (Hon.).
KLIAU, BUNNAG, PH.G., B.S.PHAR., SC.D.
LAUNG, PROMADHATTAVEDI, M.B., CH.B., L.M.
LEK NA NAGARA, M.D., M.D. (Hon.).
OUAY KETUSINH, M.D., DR.RER.NAT., D.T.M., D.SC., M.D. (Hon.).
PIROM, SAVANATEMIYA, M.B., DIP. STAATS.EXAM., DR.MED., M.D. (Hon.).
PRADIT TANSURAT, M.D., PH.D., D.SC.
PRASERT KANGSADAL, M.B., CH.B., M.D. (Hon.), F.C.C.P.
SAN, SRIBHEN, M.D., D.SC.
SANGAD, GARNJANA-GOONSCHORN, M.R.C.S., L.R.C.P.
SEE, SIRISINHA, D.D.S., SC.D., F.A.C.D.
SMARN MUNTARBHORN, M.B., B.S., F.R.C.S., D.T.M., F.E.C.S.
SMARN SMARNAVANICH, D. IN MED., M.D. (Hon.).
SOBHIT, NOBHWONGS, D. IN ENG., B.ARCH(M.I.T.) (Sanitary Engineering).
SONG-GRANT, NIYOMSEN, M.D., LL.B., DR.MED.
SONGSRI, KETUSINH, M.D., DR.MED.
SOOD SANGVICHIEN, M.D., M.D. (Hon.).
STANG MONGKOLSUK, B.SC., M.SC., PH.D.
SUKHUN BHADRAKOM, M.D., PH.D., D.SC.
SVASTI DAENGSVANG, M.P.H., DR.P.H., D.T.M., M.D. (Hon.).
TIDTAW, BANNAG, PH.G., B.S.PHAR., SC.D.
UDOM, POSHAKRISHNA, M.D., DR.MED., DR.MED.DENT., F.A.C.S.
VEK, NETRAVISESH, M.D., M.A., PH.D., M.D. (Hon.)

UNIVERSITY OF THAMMASAT

BANGKOK

Telephone: 23846

Founded 1933.

Rector: General THANOM KITTIKACHORN.

Secretary-General: Dr. ADUL WICHIENCHAROEN.

Registrar: Mrs. SA-ARNG SARINDU.

Librarian: Mrs. CHITTRA PRANICH.

Number of teachers: 296.
Number of students: 1,899 full-time, 27,498 part-time.

DEANS:

Faculty of Law: Prof. PHYA ATTHAKAREE-NIBHON.

Faculty of Commerce and Accountancy: Prof. CHAROON VIMALASIRI.

Faculty of Economics: Prof. SOMTHOB SUWANASUDDHI.

Faculty of Political Science: Prof. THAWEE RANGKAEN.

Faculty of Social Administration: Major-General BANCHA MINETRAKINETRA.

Faculty of Liberal Arts: Dr. ABDUL WICHIENGHAROEN.

Institute of Public Administration: Prof. MALAI HUVAVANDANA.

PROFESSORS:

ARTHAKARIYA NIBHONDA, PHYA, Barrister-at-Law, HON. LL.D.
BHANOMYONG, PRIDI, Barrister-at-Law, Docteur en Droit.
BHAOPICHIT, KAMOL, B.A., Dip. in Ed., M.A., Doc. of Ed.
BUNNAG, DUAN.
CHAMROON-NETISASTR, LUANG, Barrister-at-Law.
DHAMRONGNAVASAVASTI, Rear-Admiral THAVALYA, Barrister-at-Law.
HUTASINGH, PRAKOB, LL.B., DR.JUR.
HUVANANDANA, MALAI, Barrister-at-Law, M.A., PH.D.
JAYANAMA, DIREK, Barrister-at-Law, Hon. Doctor of Diplomacy.
JAYANKURA, M. C. LAKSHANALOES, Military Academy, Military Staff College.
KAMALANAVIN, Admiral SINN, R.T.N.
KANCHANADUL, PRAYOON, Barrister-at-Law, Docteur en Droit.
LADPLIDHAMPRAKHUN, PHYA, Barrister-at-Law, HON. LL.D.
LULITANANANDA, VICHITR, Barrister-at-Law.
MAHIDHORN, CHAO PHYA, Barrister-at-Law.
MARNAVARAJ SEVI, PHYA, Barrister-at-Law.
MINETRAKINETRA, Maj.-Gen. BANCHA, Dr. ès Lettre.
NAVYCHAROEN, SA-ARD, Barrister-at-Law, LL.M.
NITISART PHAISAN, PHYA, Barrister-at-Law.
PERUNAVIN, Maj.-Gen. SUK, Barrister-at-Law, LL.M.
PIBUL SONGRAM, Field Marshal P., Dip. Ecole Mil. de France, Dipl. Ecole Technique d'Artillerie.
PRAMOJ, M. R. SENI, B.A., Barrister-at-Law.
PRASERT-MANUKITCH, LUANG, Barrister-at-Law, LL.B., M.A.
PRASERT-SUBHAMATRA, KHUN, Barrister-at-Law, M.A.
PURACHATRA, Prince PREM, B.A.
RAENKHAM, THAWEE.
SANG-UTHAI, YOOD, Barrister-at-Law, DR.JUR.
SARAKITCH-PRECHA, LUANG, Barrister-at-Law.
SARASASNA PRAPHANTHA, PHRA, Docteur en Droit.
SRIDHAMMADHIBETSA, CHAO PHYA, Barrister-at-Law.
SRIPRIJA, LUANG, Barrister-at-Law, LL.B., M.A.
SRIRAJBURUS, LUANG, Barrister-at-Law.
SUVARNASORN, PRAMOOL, Barrister-at-Law.
SUVARNASUDDHI, SOMTHOB, Dr. en Droit.
THAMMAVIT, VIBUL, Barrister-at-Law, M.A., PH.D.
TINGSABADH, CHITTI, Barrister-at-Law, LL.M.
VIMALASIRI, CHAROON, B.COM.
VINICCHAYKUL, SERM, Barrister-at-Law, Docteur en Droit.

Mahavidhyalai Silpakorn University (*University of Fine Arts*): Nah Phra-Tat Road, Bangkok; faculties of Painting and Sculpture, Thai Architecture, Decorative Art and Archæology. There is also a School of Dramatic Arts, which teaches dramatic art and music. Rector: DHANIT YUPHE; 350 students.

COLLEGES AND INSTITUTES

Bang Saen College: Chonburi Province.

Assumption College of Commerce.

Dusit Construction School: Bangkok.

Technical College: Bangkok.

Technical College: Songkla.

Thonburi Technical Institute: Thonburi.

Utainthawai Technical School: Bangkok.

Seato Graduate School of Engineering: Bangkok; f. 1959; open to graduates from all S.E. Asian countries and to a limited number from others; two-year course leading to a Master of Science degree; Dean MILTON E. BENDER, Jr.

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TOGO

Population 1,500,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

INSTITUT TOGOLAIS DES SCIENCES HUMAINES
B.P. 1002, LOMÉ
Telephone: 24-10
Telegraphic Address: INTSHU
Founded 1960

A Service de Documentation Générale was created in Togo by a decree of 1937, to carry out documentation in museums, archives and scientific collections for the advancement of knowledge and study of problems of interest to the territory and to stimulate and assist works of every kind relating to varied local activities. This service was taken over and expanded by the Institut Français d'Afrique Noire (IFAN) in 1945, to include publication of scientific reports, organisation of exhibitions, courses and conferences, care of ancient monuments and historic sites, encouragement of indigenous artists and craftsmen to preserve authentic local styles, participation in the application of rules concerning excavations and the export of ethnographic objects or indigenous works of art, and protection of fauna and flora. The local centre of IFAN in Togo has been renamed Institut Togolais des Sciences Humaines-Bibliothèque Nationale (INTSHU-BN). Departments of anthropology, archæology, prehistory, history, ethnography, human geography, linguistics, sociology, to be headed by a specialist in each subject, are planned. INSTHU is foremost an institute of folklore and of Negro-African anthropology and documentation.

Director: Kwaovi Gabriel Johnson.

Alliance Française: Lomé; f. 1947.

Association Togolaise d'échanges culturels avec l'étranger (*Togolese Association for cultural exchanges with foreign countries*): Lomé; Pres. Sanvi de Tove (President of the Legislative Assembly); Sec. M. Adossama (Director of Cabinet of the Ministry of Economic Affairs).

Institut de Recherches du Coton et des Textiles Exotiques: Station Anie-Mono, nr. Lomé.

Institut de Recherches du Togo (IRTO): B.P. 375, Avenue du General de Gaulle, Lomé; pedology, nutrition, sociology, hydrology, and social sciences; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer, Paris).

UN Information Centre: B.P. 911, Lomé.

U.S. Information Center: 11 Avenue des Alliés, Lomé; reading room, library, cultural activities.

LIBRARIES

Bibliothèque Nationale-Institut Togolais des Sciences Humaines: B.P. 1002, Lomé; German and French archives; *c.* 5,000 vols.; Dir. Kwaovi Gabriel Johnson.

Bibliothèque du Ministère de l'Intérieur: Lomé; Librarian Kwaovi Gabriel Johnson.

COLLEGES

Ecole Togolaise d'Administration: Avenue des Alliés, Lomé.

Teacher Training College: Atakpamé; entry by competitive examination; five-year course; State institution.

Teacher Training College: Togoville; entry by competitive examination; five-year course; Roman Catholic institution.

Technical College: Sokodé; apprentice training.

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TRINIDAD AND TOBAGO

Population 850,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agricultural Society of Trinidad and Tobago: 27 Henry Street, Port-of-Spain; f. 1894; 582 mems.; Pres. Sir HAROLD ROBINSON; Sec. JOSHUA E. WARD; publ. *Journal* (quarterly).

British Council, The: 87 Pembroke Street, Port-of-Spain; Rep. JOHN MAKIN, M.B.E.

Historical Society of Trinidad and Tobago: 20 Henry Street, Port-of-Spain; Pres. E. E. WILLIAMS; Hon. Sec. and Treasurer E. JOHNSON.

Incorporated Law Society of Trinidad and Tobago: 78 Queen Street, Port-of-Spain; f. 1897; 80 mems.; Pres. A. H. HAMEL-SMITH; Hon. Sec. M. T. I. JULIEN; publ. *Annual Report.*

Pharmaceutical Society of Trinidad and Tobago: 80 Charlotte Street, Port-of-Spain; f. 1899; 300 mems.; Pres. ALLAN A. GREENE; Hon. Sec. W. E. WILLIAMS.

St. Andrew Society of Trinidad: P.O. Box 331, Port-of-Spain; f. 1934; 205 mems.; Pres. J. C. MURRAY; Hon. Sec. A. E. WATERBURY, PH.D., F.R.I.C.

Southern East Indian Literary and Debating Association: Pres. M. H. SHAH; Hon. Sec. Mrs. G. E. RAMDIN.

Theosophical Society of Trinidad: Eastern Main Road, Guaico; Organising Sec. L. R. KHILLAWAN.

Tobago District Agricultural Society: Scarborough; Pres. Capt. R. H. HARROWER; Sec. Miss S. A. DAVIES.

Trinidad Art Society: Art Centre, French Street, Port-of-Spain; f. 1945; 250 mems.; Pres. DENIS MAHABIR; Hon. Sec. ROBERT ALLFREY.

Trinidad Music Association: Bishop Anstey High School, Abercromby Street, Port-of-Spain; f. 1941; 102 mems.; Pres. Mrs. ROBERT JOHNSTONE, C.B.E.; Hon. Sec. Miss A. MCCARTHY.

U.S. Information Center: 2B Marli Street, Port-of-Spain.

LIBRARIES

Carnegie Free Library: Harris Promenade, San Fernando; f. 1919; 47,000 vols.; Chair. The MAYOR OF SAN FERNANDO; Librarian Mrs. LYNETTE C. HUTCHIONSON., A.L.A.

Central Library of Trinidad and Tobago (County Library Dept. of the Government): 20 Queens Park East, Port-of-Spain (P.O. Box 547); maintained by annual government grant; 206,000 vols.; Chair. Advisory Board N. J. ROWLATT; Acting Librarian Miss MARJORIE LUMSDEN, F.L.A.

Eastern Caribbean Regional Library: P.O. Box 67, Port-of-Spain; f. 1941; 75,000 vols.; Regional Dir. for East Caribbean S. W. HOCKEY, F.L.A.

University of the West Indies Library: St. Augustine; formerly the Imperial College of Agriculture Library; f. 1926; approx. 29,000 vols., 91,000 unbound pamphlets and periodicals; Senior Asst. Librarian Miss A. T. WARNER, B.A., A.L.A., M.S., A.R.C.M.

UNIVERSITY

UNIVERSITY OF THE WEST INDIES

(Trinidad Branch—Faculties of Agriculture and Engineering).

ST. AUGUSTINE, TRINIDAD

Founded 1948

The University serves Jamaica, Trinidad and Tobago and the British Colonies in the Caribbean. There is an Extra-Mural Department in British Honduras.

Chancellor of the University: H.R.H. Princess ALICE, Countess of Athlone.

Vice-Chancellor of the University: P. M. SHERLOCK, C.B.E., B.A., LL.D., M.L.C.

Secretary at St. Augustine: V. A. A. ARCHER, B.SC., M.SC.

Number of students in Trinidad: 98.

Publications: *Tropical Agriculture* (quarterly).

PROFESSORS:

CARPENTER, C. J. (Electrical Engineering).
NORMAN, W. S. (Chemical Engineering).
PURSEGLOVE, J. W. (Botany and Plant Pathology).
UNDERWOOD, G. L. (Zoology).
WHITTON, P. W. (Mechanical Engineering).
WILSON, P. N. (Agriculture).

ATTACHED INSTITUTE:

Eastern Caribbean Farm Institute: Centeno, Arima; opened 1954. The Institute was built with funds provided by the Development and Welfare Organisation and by the Governments of British Guiana, Trinidad, Barbados, the Leeward Islands and Windward Islands. It receives students from all these territories and offers two-year courses in tropical agriculture.

INSTITUTES

San Fernando Technical Institute: San Fernando, Trinidad; specialises in technical subjects.

Port of Spain Polytechnic Institute: Queen's Royal College, Marval Road, St. Clair; courses in Arts, Natural Science, Economics and Accountancy for London University examinations.

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TUNISIA

Population 4,215,000

RESEARCH INSTITUTES

Art and Archæology

Institut National d'Archéologie et Arts (*formerly* Direction des Antiquités et Arts): Place du Château, Tunis; library of 5,500 vols.; Prehistory, Punic, Roman and Christian, Islamic, Architecture; Pres. S. E. H. H. Abdul-Wahab; publs. *Notes et Documents*.

Mission Archéologique Française en Tunisie: French Embassy, Tunis; Dir. Pierre Cintas; Publs. Sec. Cl. Poinssot, Office: 8 rue M'hamed Ali, Tunis; publ. *Karthago* (quarterly).

Science

Institut National de la Recherche Agronomique de Tunisie: Ariana; f. 1914 as the Service Botanique et Agronomique de Tunisie; library of 9,000 vols.; scientific staff of 21; Dir. A. Essafi; publs. *Annales de l'Institut National de la Recherche Agronomique de Tunisie*, and miscellaneous reprints: *Documents techniques*.

Institut National de Recherches Vétérinaires: Tunis, centre for veterinary research.

Institut Pasteur: 13 Place Pasteur, Tunis; f. 1893; library of 4,500 vols., scientific staff of 10; Dir. Dr. Amor Chaldi; publ. *Archives de l'Institut Pasteur de Tunis* (quarterly).

Station Océanographique de Salammbô: near Carthage; f. 1924; zoological collections; library; Dir. Douik Brahim; publs. *Annales, Bulletin*.

LIBRARIES

Bibliothèque Nationale de Tunisie: 20 Souk-el-Attarine, Tunis; f. 1883; 500,000 vols. in 72 languages; 6,000 Arabic and oriental MSS.; Conservator Osman Al Kaak; Librarian Mohammad Al Sadek Malek.

Bibliothèque de la Station Océanographique: Salammbô, near Carthage; 12,000 vols.

Bibliothèque de l'Institut Pasteur: Place Pasteur, Tunis; Librarian Dr. R. Schneider.

Central Library: Tunis; 140,000 vols., 40,000 in Arabic.

Tunis Public Library: Tunis; 10,000 vols.

UN Information Library: B.P. 863, Tunis.

MUSEUMS

Musée du Bardo: Le Bardo, Tunis; f. 1888; contains prehistoric collections, relics of Punic, Greek and Roman art, and ancient and modern Islamic art, largest collection in the world of Roman mosaics; Dir. Abdelaziz Driss; publ. *Catalogue de Musée Alaoui*.

Other Museums under the control of the *Institut National d'Archéologie et Arts:* Place du Château, Tunis;

Musée du Ribat: Monastir.
Musée Classique de Sousse (Kasbah): Sousse.
Musée Islamique du Ribat: Sousse.
Musée des Arts Islamiques (Dar Hussein): Place du Château, Tunis.
Musée Lapidaire: Sidi Bou Khrissan, Tunis; Arab.
Musée Antiquarium: Carthage.
Musée Antiquarium: Utique; Punic and Roman.
Musée Antiquarium: El-Djem; Thysdrus.

Musée Lavigerie à Carthage.

Musée Jardin des Thermes d'Antonin à Carthage.

Musée Jardin du Thophet à Salammbô: Carthage.

Musée de Sfax.

UNIVERSITY

UNIVERSITÉ DE TUNIS

94 BOULEVARD DU 9 AVRIL 1938, TUNIS

Telephone: 260-858, 260-932, 260-950

Founded 1960

Pro-Rector: Ahmed Abdesselem.

Number of teachers: 132.

Number of students: 3,298.

Faculties:

Faculty of Mathematics, Physics and Natural Sciences.
Faculty of Letters and Human Sciences.
Faculty of Law and Political and Economic Sciences.
"Ez-Zitouna" Faculty of Theology and Religious Science.
Faculty of Medicine and Pharmacy (being created).

Attached Higher Schools:

Ecole Normale Supérieure: to train secondary school teachers.
Ecole Normale des Professeirs Adjoints.
Ecole Supérieure de Droit: Dir. Mohamed Malki.
Ecole Supérieure d'Etudes Commerciales: Dir. Gaetan Bourquin.

Attached Research Institutes:

Institut de Physique Atomique.
Centre d'Etudes et de Recherches Sociales et Economiques.
Centre de Recherches sur les Problèmes de la Zone Aride.
Institut Bourguiba des Langues Vivantes (Etablissement d'Enseignement Pratique des Langues).
Le Centre Audio-Visuel.

COLLEGES

Ecole Supérieure d'Agriculture de Tunis: 43 avenue Charles Nicolle, Tunis; f. 1898; library of 7,100 vols.; Dir. Zeghonda Habib; publ. *Bulletin*.

Centre d'Etudes Economiques: Tunis.

Ecole Nationale d'Administration: rue Toarbet el Bey, Tunis.

Ecole des Beaux-Arts de Tunis: Route de l'Armée Nationale, Tunis; f. 1922; architecture and fine arts; Dir. Pierre Berjole; 100 students.

Khaldounia Centre of Modern Languages: Zeitouna Mosque, Tunis; re-opened 1959; studies include Russian, Turkish, Arabic and commercial subjects; Dir. Ahmed Belkopja, B.A.

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TURKEY

Population 28,923,430

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Birleşmiş Milletler İnsan Haklarını ve Ana Hürriyetleri Saglama ve Koruma Türk Grubu (*Turkish United Nations Group for the Defence and Protection of Human Rights and Fundamental Freedoms*): Ankara; f. 1946; Chair. Prof. AHMET ESMER; Gen. Sec. Dr. ILHAN AKİPEK; publ. *Insan Haklari* (*Aylik Dergi*), *Insan Haklari Yilligi* 1957, etc.

British Council: 27 Adakale Sokak, Yenişehir, Ankara; Rep. E. L. HANCOCK, O.B.E.; libraries in Ankara and Istanbul.

British Institute of Archæology at Ankara: Tahran Caddesi 25, Kavaklidere, Ankara; f. 1948; with the object of furthering archæological research by British and Dominion students or scholars in Turkey; London Office: 16 Bryanston Street, W.1; library of 3,000 vols.; Pres. The Hon. Sir STEVEN RUNCIMAN, LITT.D., LL.D., F.B.A.; Dir. MICHAEL GOUGH, M.A., F.S.A.; publ. *Anatolian Studies* (annual).

Cografya Enstitüsü (*Geographical Institute*): Edebiyat Fakultesti, Istanbul University; f. 1933; Dir. SIRRI ERINÇ.

Deutsches Archäologisches Institut: Siraselvi 123, Istanbul-Taksim; Dir. Prof. Dr.-Ing. RUDOLF NAUMANN.

Institut Français d'Archéologie: Istanbul; f. 1930; Dir. Prof. LOUIS ROBERT.

Istituto Italiano di Cultura: Menekse Sokak, 8 (Yenişehir), Ankara; Dir. Prof. GIOVANNI B. DALLA POZZA.

Istituto Italiano di Cultura: Mesrutiyet Caddesi, 161, Istanbul; Dir. Prof. GIOVANNI B. DALLA POZZA.

Maden Tetkik ve Arama Enstitüsü—M.T.A. (*Mineral Research and Exploration Institute*): P.O. Box 116, Ankara; f. 1935; conducts the Geological Survey of Turkey and evaluates mineral resources; staff of 320 technical personnel; 55,000 vols. in library; Dir.-Gen. Dr. SADRETTIN ALPAN; Dep. Dir.-Gen. Dr. N. N. TILEV; publs. *Bulletin*, Monographs, Annual Report.

Milletlerarası Şark Tetkikleri Cemiyeti (*International Society for Oriental Research*): Türkiyat Enstitüsü, Bayezid, Istanbul; f. 1947; Pres. Prof. FUAD KÖPRÜLÜ.

Netherlands Historical and Archaeological Institute (*Holanda Tarih ve Arkeoloji Enstitüsü*): Beyoğlu, Istanbul.

Turk Biologi Dernğei (*Turkish Biological Society*): P.K. 144, Sirkeci-Istanbul; f. 1949; 715 mems.; Pres. Doc. Dr. H. DEMIRIZ; to promote biological research and to organise lectures, congresses and training courses on biology and nature study; publ. *Türk Biologi Dergisi* (quarterly).

Türk Cerrahi Cemiyeti (*Turkish Surgical Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1931.

Türk Dil Kurumu (*Turkish Linguistic Society*): Ankara; f. 1932; 600 mems.; 11,000 vols. in library; Pres. Prof. TAHSIN BANGUOĞLU; Sec.-Gen. SAMI N. ÖZERDIM; publs. *Türk Dili* (monthly), *Türk Dili Araştirmalari-Belleten* (annual).

Türk Eczacıları Birligi (*Turkish Pharmaceutical Association*): 26 Ortaklar Han, Cağaloğlu, Istanbul; publ. *Türk Eczacilari Birligi Mecmuası* (bi-monthly).

Türk Ekonomi Kurumu (*Turkish Economic Society*): Posta Kutusu 173, Ankara; f. 1939; Gen. Sec. Dr. MUHLIS ETE; publ. *Türk Ekonomisi* (review).

Türk Fizik Dernegi (*Turkish Physical Society*): Fen Fakültesi, Istanbul University, Istanbul.

Türk Fizik ve Tabil Ilimler Dernegi (*Turkish Physical and Biological Society*): Istanbul University, Istanbul.

Türk Halk Bilgisi Dernegi (*Turkish Folklore Society*): Çemberlitaş, Atik Ali Paşa Medresi 43, Istanbul; f. 1946; Pres. S. Y. ATAMAN; Sec. IHSAN HINÇER.

Türk Hukuk Kurumu (*Turkish Law Association*): Ankara Posta Kutusu 44. Adakale Sokak 20 Ankara Y. Ş.; f. 1934; publs. *La Turquie* (Vie Juridique des Peuples, Paris), *Türk Hukuk Lugati* (Turkish Law Dictionary).

Türk Jinekoloji Cemiyeti (*Turkish Society of Obstetrics and Gynæcology*): Verem Savaş Derneği Merkezi, Selime Hatun Sokak. P.K. No. 273, Beyoğlu, Istanbul.

Türk Mikrobiyoloji Cemiyeti (*Turkish Micro-Biological Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1931.

Türk Nörö-Psikiyatri Cemiyeti (*Turkish Neuro-Psychiatrical Society*): Psikiyatri Klinigi, Çapa, Istanbul; f. 1914; 200 mems.; monthly meetings to discuss aspects of neuro-psychiatry; National Congress every two years; Pres. Prof. İHSAN ŞÜKRU AKSEL; Sec.-Gen. Assist. Prof. AYHAN SONGAR.

Türk Ortopedi Şirürjisi ve Travmatoloji Cemiyeti (*Turkish Orthopaedic Surgery and Traumatology Society*): c/o Orthopaedic and Surgery Clinic, Istanbul University, Istanbul; f. 1939; 200 mems.; Pres. Prof. MÜNIR AHMET SARPYENER; Gen. Sec. Doc. HÜSAMETTIN ALTAV.

Türk Oto-Rino-Larengoloji Cemiyeti (*Turkish Laryngological Society*): c/o Faculty of Medicine, Istanbul University, Istanbul.

Türk Sakatlar Cemiyeti (*Turkish Disabled Society*): Istanbul Kocamustafapaşa, Cad. No. 148, Istanbul; Hon. Pres. Prof. MÜNIR AHMET SARPYENER; Gen. Sec. HALIM DIRI.

Türk Sirfi ve Tatbikl Matematik Dernegi (*Turkish Society of Pure and Applied Mathematics*): Istanbul University, Istanbul.

Türk Tarih Kurumu (*Turkish Historical Society*): Ankara; f. 1931; 41 mems.; library of 50,000 vols.; Pres. Prof. ŞEMSEDDIN GÜNALTAY; Gen. Dir. ULUĞ IĞDEMIR; publ. *Belleten* (quarterly).

Türk Tıbbı Elektro Radyografi Cemiyeti (*Turkish Electro-Radiographical Society*): Türk Tıb Cemiyeti, Bursa Sokak, Beyoğlu, Istanbul; f. 1924.

Türk Tıbbı Radyoloji Cemiyeti (*Turkish Radiological Society*): Istanbul.

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Türk Tıb Cemiyeti (*Turkish Medical Society*): 201 Anadolu han 1/1, Beyoğlu, Istanbul; f. 1856; 312 mems.; Pres. Dr. KÂZIM İSMAİL GÜRKAN; Sec. Dr. ASIL MUKBIL ATAKAM; publ. *Türk Tip Cemiyeti Mecmuası, Anadolu Klinigi* (Turkish Medical Journal).

Türk Tıb Tarihi Kurumu (*Turkish Medical History Society*); Tib Tarihi Enstitüsü, Istanbul University, Istanbul: f. 1938; 56 mems.; library of 1,573 vols.; Dirs. Prof. K. I. GÜRKAN, M.D.; Prof. A. S. ÜNVER, M.D., Prof. I. R. SABAR, M.D.

Türk Tüberkloz Cemiyeti (*Turkish Tuberculosis Society*): Selime Hatun, Sağlik Sokak, Taksim, Istanbul; f. 1937.

Türk Üroloji Cemiyeti (*Turkish Urological Society*): Türk Tib Cemiyeti, Bursa Sokak, Beyoğlu, Istanbul; f. 1933; 47 mems.; Pres. Dr. FEYZI TANNER; Sec. Dr. GIYAS KORKUT.

Türk Veteriner Hekimleri Dernegi (*Turkish Veterinary Medicine Association*): Saglik Sokak 21-3 Yenişehir, Ankara; f. 1930.

Türkiyat Enstitüsü (*Institute of Turkology*): Istanbul University, Istanbul; f. 1924; carries out research and publishes material on Turkish language, literature, history and culture; library of 20,000 vols.; Dir. Dr. M. CAVID BAYSUN.

Türkiye Akıl Hıfzıssıhhası Cemiyeti (*Turkish Society of Mental Hygiene*): Ankara Caddesi 15, Istanbul; corr. address Bahariye Caddesi 46 Kadiköy-Istanbul; f. 1930; 1,350 mems.; Hon. Pres. Prof. Dr. FAHREDDIN KERIM GÖKAY; Pres. Prof. Dr. IHSAN SÜKRÜ AKSEL; Sec.-Gen. Dr. ERDOGAN NOYAN.

Türkiye Jeoloji Kurumu (*Turkish Geological Society*): Posta Kutusu 512, Ankara; f. 1946; 200 mems.: library of 2,000 vols.; Pres. Dr. N. PINAR; Sec.-Gen. Dr. C. ÖZTEMÜR; publ. *Türkiye Jeoloji Kurumu Bülteni*.

Türkiye Kimya Cemiyeti (*The Chemical Society of Turkey*) İmam Sokak No. 22, Kat 1-Beyoğlu, Istanbul (Posta Kutusu 829); f. 1919; 962 mems.; Pres. Chem. Eng. NEDIM DENIZTEKIN; Vice-Pres. Chem. Eng. HADI TAMER; Sec. Chem. Eng. Ç. TURHAN ÖZALP; Treas. Chem. Eng. ŞEVKET ÖZTÜZER; publ. *Kimya ve Sanayi* (Chemistry and Industry).

U.S. Information Centers:
42 Nithat Paşa Caddesi, Yenişehir, Ankara.
Istiklâl Caddesi 132-134, Beyoğlu, Istanbul.
186 Atatürk Bulvarı, Izmir.

Yeni Felsefe Cemiyeti (*The New Philosophical Society*): Işık Lisesi, Nişantaşı, Istanbul; f. 1943.

LIBRARIES

Ankara University Library: the main library has 65,500 vols.; there are also separate faculty libraries, with a total of over 357,100 vols.; Dir. ZEKERIYA ERDAL.

Atıf Efendi Library: Istanbul; f. 1741; 7,000 vols., 2,800 MSS.

Beyazit Library: Istanbul; f. 1882; 45,000 vols. in European languages, 11,000 vols. in Oriental languages, 9,000 MSS. in Persian, Arabic and Turkish; dir. by Min. of Education.

Damat Ibrahim Paşa Library: Nevsehir; f. 1727; 5,500 vols., 600 MSS.

Fatih Mosque Library: Istanbul; f. 1742; 4,000 vols., over 6,000 MSS.

Gedik Ahmed Paşa Library: Afyon; f. 1785; 18,000 vols.

General Library of İzmir: Inönü Bulvari, No. 39, İzmir; f. 1912; 36,000 vols. in European languages, 12,000 vols. in Oriental languages, largely Turkish; over 1,500 MSS.; dir. by the Ministry of Education.

Halil Hamit Paşa Library: Isparta; f. 1783; 6,000 vols. over 850 MSS.

Halil Nuri Bey Library: Bor; f. 1932; 12,000 vols., nearly 500 MSS. in Persian, Arabic and Turkish.

Halkevi Library: Ankara; f. 1935; 20,000 vols.

Hisar Salepçioglu Library: İzmir; f. 1775; 7,000 vols., over 900 MSS.

Hüsrev Paşa Library: Eyup; f. 1839; 6,500 vols., over 300 MSS.

Istanbul University Library: Istanbul-Bayazıt; the main university library contains 170,000 vols. and 17,750 MSS.; Librarian (Vacant); in addition, each faculty possesses its own specialised library.

Köprülü Library: Istanbul; f. 1677; 3,000 vols., 3,000 MSS.

Library of the Grand National Assembly: Palais de la Grande Assemblée Nationale, Ankara; f. 1920; 43,500 vols. in Turkish, 49,400 vols. in European languages, 400 vols. in Arabic; Librarian S. NAZMI COSKUNLAR.

Library of the Institute of Education: Ministry of Education, Ankara; f. 1926; 1,400 vols. in Turkish, 6,000 vols. in European languages.

Library of the Mineral Research and Exploration Institute: P.K. 116, Ankara; 55,000 vols. in various languages; Dir. CEMIL SÜME.

Library of National Defence: Ankara; f. 1877; 8,678 vols. in Turkish, 5,820 vols. in other languages; State-governed.

Library of the Institute of Turkology: Istanbul University, Bayezıt; f. 1924; over 20,000 vols. relating to Turkish language, literature, history and culture.

Library of the Oecumenical Patriarchy: Istanbul; foundation dates from beginning of Patriarchy; 8,000 vols. in main library, and a large number of important MSS.; 45,000 vols. in branch library at Heybeliada; dir. by the Holy Synod.

Mehmet Paşa Library: Darende; f. 1776; 4,000 vols., 800 MSS.

Middle East Technical University Library: Ankara; f. 1957; art and architecture collections; growing collections in other fields; maintains custody of the university's recording, microfilm and projection equipment; 10,000 vols.; 500 periodicals received.

Millet Library: Istanbul; f. 1700; 17,000 vols., over 13,000 MSS.

Millî Kütüphane (*National Library*): Yenişehir, Ankara; f. 1946; 408,409 vols., 53,469 periodicals; provides facilities for artistic and scientific research; Dir. ADNAN ÖTÜKEN; publ. *Türkiye Bibliografyasi* (Turkish National Bibliography), *Türkiye Makaleler Bibliografyasi* (Bibliography of Articles published in Turkish periodicals), *Yabanci Dil Eserler Bülteni* (Bulletin of Foreign books added to Turkish libraries); *Türkiye Kütüphaneleri Rehberi* (Directory of the Turkish Libraries), *Millî Kütüphane Haberleri* (News Bulletin of the National Library).

Murat Molla Library: Istanbul; f. 1775; 4,000 vols., 5,000 MSS.

Nuruosmaniye Library: Istanbul; f. 1755; 6,000 vols., 5,000 MSS.

Public Library: Ankara; f. 1922; 21,000 vols. in Turkish, 10,200 vols. in European languages, over 1,200 MSS. in Arabic and Persian.

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Public Library: Konya; f. 1947; 20,000 vols., over 6,000 MSS.

Ragib Paşa Library: Istanbul; f. 1762; 4,958 vols., 2,200 MSS.

Rasit Efendi Library: Kayseri; f. 1792; 6,000 vols., over 1,000 MSS.

Robert College Library: Bebek P.K.8, Istanbul; f. 1863; over 65,000 vols. in English and other languages, including 8,000 vols. in Turkish; Acting Librarian Mrs. ANNIE SCOTT DUREN.

Selimiye Library: Edirne; f. 1575; 6,500 vols., over 1,300 MSS.

Süleymaniye Library: Istanbul; 22,000 vols., over 32,000 MSS. in Turkish, Arabic and Persian.

Technical University Library: Istanbul Teknik Üniversitesi, Merkez Kütüphane Müdürlüğü, Gümüşsuyu Caddesi 87, Beyoğlu; f. 1795; the Central Library of the Technical University, containing 28,307 vols.; the faculty libraries contain 25,946 vols.; Librarian NACI YÜNGÜL.

Tekelioglu Library: Antalya; f. 1924; 5,000 vols., nearly 2,000 MSS. in Persian, Arabic and Turkish.

Ulucami Library: Bursa; f. 1787; 8,000 vols., over 1,300 MSS.

Vatan Library: Balıkeşir; f. 1901; 828 MSS. in Turkish, Arabic and Persian, 13,841 vols. in Turkish and Arabic, 1,186 in other languages.

Veliyuddin Library: Istanbul; f. 1761; 4,000 vols., 3,500 MSS.

Yegen Mehmet Paşa Library: Akseki; f. 1926; 6,000 vols.

There are 165 public libraries throughout Turkey.

MUSEUMS

Arkeoloji Müzesi (*Archæological Museum*): Ankara; f. 1923; among the antiquities at present exhibited are the Hittite monumental remains found throughout Turkey; when the 15th-century Ottoman buildings are restored, they will house prehistoric Anatolian exhibits, including collections from the excavations of Ahlatlibel, Alisar, Bogazköy, Alacahöyük, Karaoğlan, Bitik, Kültepe, Çatal Hüyük, Hacilar, Can Hasan, Gordion and Polatlı, with special section for the Hittite Cuneiform tablets; library of 1,456 vols.; Dir. NECATI DOLUNAY; Librarian MEMİKA SAYIN; Hittologist Dr. MUSTAFA SELÇUK AR.

Arkeoloji Müzesi (*Archæological Museum*): Kulturpark, Izmir.

Ayasofya (Saint Sophia) Museum: Istanbul; f. 1934; the Museum is housed in the Byzantine Basilica; built by Justinian and dedicated in A.D. 537, it was a church until 1453, after which it became a mosque; in 1934 it was made a state museum; contains Byzantine and Turkish antiquities; library of over 6,000 vols. and 5,000 MSS.; Dir. FERIDUN DURIMTEKIN. The Director of the Museum of St. Sophia is under the Minister of Education, and is in charge of the following Byzantine monuments:

Karye Church of St. Saviour in Khora.
Fethiye Church of the Virgin Pammakaristos.
Fehari Işa, Church of the Monastery of Lips.
Imrahor, Church of the St. John Stoudion.
Church of St. Irene.
Tekfursarayı, Palace of Constantine Porphyrogenitos.
Mosque of Bodrum, Church of Myrrelaion.

Ethnographical Museum: Ankara; f. 1927; specimens of Turkish and Islamic art, archives and Islamic numismatics; 3,000 vols. in library; Dir. HAMİT ZÜBEYR KOSAY.

Hatay Museum: Antakya, Hatay; collection of mosaics from Roman Antioch, also finds from Atchana excavations; Dir. RUHİ TEKAN.

Istanbul Arkeoloji Müzeleri (*Archæological Museums of Istanbul*): f. 1869; first collection of antiquities started by Field-Marshal Fethi Ahmed Paşa in 1847; Dir. NECATİ DOLUNAY. The museums comprise:

The Museum of Classical Antiquities: containing prehistoric, Greek, Roman, Byzantine antiquities.

Eski Şark Eserleri Müzesi (*Museum of Oriental Antiquities*): f. 1917; contains Sumerian, Assyrian, Hittite, Phrygian, Parthian, Egyptian and Himyarite antiquities.

Mozaik Müzesi (*The Museum of Mosaics*): contains the mosaics belonging to the Great Palace of the Byzantine Emperors.

Yedikule Müzesi (*The Museum of the Seven Towers*): an ancient castle of Byzantine and Turkish times, now established as a museum.

In addition there are departments of coins and medals, cuneiform tablets, photography, plaster casts chemical laboratories, and a library.

Konya Museums: Konya; 1. Mevlâna: founded in Mevlâna Turbeh—Seljuk and Turkish collections, clothing, carpets, weapons, coins, library. 2. Classical Museum: founded in new classical museum—collections of Neolithic, Hittite, Phrygian, Greek, Roman and Byzantine monuments; 3. Turkish Ceramics Museum: founded in Karatay Medresseh—contains ceramics of the 13th–18th century; 4. Seljuk Museum: founded in İnce Minare—contains stone and wooden works of the Seljuk period; 5. Ethnography Museum: founded near Mevlâna Museum—contains typical Konya clothing and historical carpets; 6. Sirçali Medresseh—Sarcophagus and inscription, collections of Seljuk and Ottoman period; 7. Atatürk Museum—collections of documents and objects connected with Atatürk. Director of Museums NECATİ ELGİN.

Pergamon Museum: Bergama; the historical relics discovered as the result of excavations conducted at Pergamon are stored here; Dir. OSMAN BAYATLI.

Topkapu Palace Museum: Istanbul; palace built by Mohammed II; collections of Turkish armour, cloth, embroidery, tiles; glass and porcelain, copper- and silverware, treasure, paintings, miniatures, illuminated manuscripts, royal coaches; 18,000 MSS. in the library; Dir. TAHSIN O. ÖZ; Asst. Dir. M. LÜTFÜ; under the same administrative control is:

Museum of Turkish and Islamic Art: Istanbul; fine collection of Turkish rugs and MSS.; Dir. FLİF NACI.

Türkiye Askeri Müzesi (*Museum of the Janissaries*): Istanbul; f. 1726; military uniforms, weapons and trophies from the earliest times; Dir. Col. ŞEVKI ASLAN.

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UNIVERSITIES

ANKARA ÜNİVERSİTESİ
(University of Ankara)

ANKARA

Telephone: 13176

Founded 1946. Existed first as separate faculties.

Rector: Prof. SUUT KEMAL YETKİN.
Secretary to the University: MUZAFFER ÜÇDOĞAN.
Personnel Director: CEMALETTIN ERKIN.
Registrar: LÜTFÛLLAH ERDEM.
Treasurer: TAHSİN ÜSTÜNEL.
Director of University Library: ZEKERİYA ERDAL.

Number of teachers: 333
Number of students: 12,470 men, 2,258 women, total 14,728.

DEANS:

Faculty of Letters: Prof. HAMİT DERELİ.
Faculty of Science: Prof. HAYRİ DENER.
Faculty of Law: Prof. Dr. AKIF ERGİNAY.
Faculty of Medicine: Prof. Dr. BEHIÇ ONUL.
Faculty of Veterinary Medicine: Prof. Dr. HASAN BAŞKAYA.
Faculty of Agriculture: Prof. Dr. ARİF AKUÂN.
Faculty of Theology: Prof. Dr. NEŞET ÇAĞATAY.
Faculty of Political Science: Prof. BEORİ GÜRSÖY.

PROFESSORS:

Faculty of Letters:
AKDAG, MUSTAFA.
AKDER, NECATİ (Philosophy).
AKURGAL, EKREM (Archæology).
AKYÜZ, KENAN (Turkish Language and Literature).
ALAGÖZ, CEMAL (Political Geography).
ALP, SEDAT (Hittitology).
ALTUNDAĞ, ŞİNASİ (Turkish History).
BAYKAL, BEKİR SITKI (Modern History).
BALKAN, KEMAL (Sumerology)
BEDİZ, DANYAL (Economic Geography).
ÇAĞATAY, SAADET (Turkish Language and Literature).
DEMİRCİOĞLU, HALİL (Ancient History).
DERELİ, HAMİT (English Language and Literature).
ERDENTUG, NERMIN.
ERZI, ADNAN (History)
İNALCIK, HALİL (History).
İNAN, AFET (Ancient History).
IZBIRAK, REŞAT (Physical Geography and Geology).
KANSU, ŞEVKET AZİZ (Anthropology and Ethnology).
KARAL, ENVER ZIYA (Recent History).
KERMAN, LAMIA (French Language and Literature).
KÖKTEN, ISMAIL KILIÇ (Anthropology and Ethnology).
KÖYMEN, MEHMET ALTAY, (History of Philosophy).
KURAT, AKDES NİMET (Russian Language and Literature).
ÖNEN, YAŞAR (German Language and Literature).
ÖZGÜ, MELÂHAT (German Language and Literature).
ÖZGÜÇ, NIMET (Archaeology).
ÖZGÜÇ, TAHSİN (Archæology).
ŞAHINBAŞ, IRFAN (English Language and Literature).
SAYILI, AYDIN (Philosophy).
ŞENYÜREK, MUZAFFER (Anthropology and Ethnology).
SINANOĞLU, SAMIAN (Classical Philology).
SİNANOĞLU, SUAT (Classical Philology).
TUNCEL, BEDREDDİN (French Language and Literature).

Faculty of Science:
ANKARA, SAİT ALİ (Experimental Physics).
BAGDA, HAYDAR.
BEKMAN, AVNİ REFİK (General Chemistry).
BİRAND, HİKMET (Botany).
DENER, HAYRİ (General Physics).
DİKMEN, CEMİL (General Chemistry).
DOMANIC, FAHRİ (Experimental Physics).
GÜRGEN, ALİ RIZA (Chemistry).
İLGÜZ, NAFİZ (Geology and Mineralogy).
KARABAĞ, TEVFİK (Zoology).
NASUHOĞLU, RAUF (Experimental Physics).
OKAY, MECİT (Applied Chemistry).
OKAY, SELÂHATTİN (Zoology).
SARACOĞLU, SAİM (General Chemistry).
SÜRAY, SAFFET (Geometry).
TANYEL, BESİM (Physics).
TOLUNAY, MİTHAT (Zoology).
YURTSEVER, BERKİ (Mathematical Analysis).

Faculty of Law:
AKIPEK, JALE.
ARSEL, ILHAN.
AYITER, KUDRET (Roman Law).
BERKİ, FAZIL (Private International Law).
BERKİ, ŞAKİR (Civil Law).
BİLGE, AHMET NECİP (Civil Law).
EREM, FARUK (Criminal Law, Legal Psychology).
ERGINAY, AKIF.
ESENER, TURHAN (Civil Law).
FIŞEK, HICRI (Special International Law).
GÜRSOY, ALİ KEMAL (Civil Law).
KOLOĞLU, MAHMUT (Economics and History of Economic Doctrines).
OĞUZOĞLU, HÜSEYİN CAHİT (Civil Law, Roman Law).
TOPÇUOĞLU, HAMIDE.
ÜÇOK, COŞKUN (Political and Diplomatic History).
ZARAKOLU, AVNİ (Economics)

Faculty of Medicine:
ADASAL, RASİM (Psychiatry).
AKÇAY, MEHMET.
AKIN, HİLMİ (Surgery).
AKKAYNAK, SELAHÂFFIN (Chest Diseases).
AKTAN, HAMDI SEMIH (Gastroenterology).
ARI, NECATİ (Physiotheraphy).
AŞAR, EFTAL (Radiology).
ATASAGUNGIL, MUZAFFER (Biochemistry).
AYRAL, NACI (Surgery)
BUMIN, ORHAN (Surgery)
BURAD, EZIN (Oto-Rhino-Laryngology).
CANAT, EYÜMP (Physiopathology).
ÇANGA, SERİF (Obstetrics and Gynæcology).
DEMİRAĞ, BAHTİYAR (Pediatrics).
DOĞRAMACI, İHSAN (Pediatrics).
DURUMAN, AVNI.
ERANIL, NECATİ (Pathological Anatomy).
ERMAN, MUZAFFER (Internal Medicine).
GÖKSAN, TURAN (Histology and Embryology).
GÖRDÜREN, SÜRAYYA (Ophthalmology).
GÜNALP, IHSAN (Urology).
GÜRÜN, SAMI.
KARASU, NUSRET (Phthisiology).
KÖKSAL, MUHARREM (Pathological Anatomy).
MUTLU, KÂMİLE (Histology, Embryology).
ODAR, İBRAHIM VELİ (Anatomy).
OKTAY, SABİH (Internal Diseases).
ONUL, BEHİÇ (Infectious Diseases).
ÖRGEN, CAHIT.
ÖZTÜRÉL, ADNAN (Forensic and Social Medicine).
PAYZIN, SELÂHATTİN (Dermatology and Venereal Diseases).
SARIBAŞ, ŞÜKRÜ YUSUF (Neurology).
SERAV, KEMAL (Urology).
SÖKMEN, CAVİT (Internal Diseases).
TANAY, SÜRAYYA (Pathological Anatomy).
TANMAN, M. ALİ (Radiology).
TAT, LÜTFÜ.
TİTİZ, İRFAN (Internal Diseases).
TOGYAR, ORHAN (Surgery).
ÜLKER, MUHİTTİN (External Diseases).
ÜNSAL, GIYASETTİN (Psychiatry).
URAK, GALIP (Surgery).
URAL, ZEKİ FAİK (Hygiene).

Faculty of Veterinary Medicine:
AKMAN, SAHIN.
ALTAN, YASAR.
ARITÜRK, EMİN (Animal Technology).
ARTUN, BEKİR SITKI (Surgery).
AYGÜN, SÜREYYA (Hygiene, Bacteriology).

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BAŞKAYA, HASAN (Bacteriology and Contagious Diseases).
BATU, SELAHÂTTİN (Zootechnics).
BERKMEN, LÂTİF (Hygiene, Bacteriology).
DOĞUER, SABRİ (Anatomy).
ERENÇİN, ZİHNİ (Histology, Embriology).
ERK, HÜSEYIN.
ERKOL, MACİT (Physiology).
ERTÜRK, ÖMER.
GÜLTEKIN, MUSTAFA (Anatomy).
GÜRALP, NEUZAT (Parasitology and Helminthology).
GÜRTÜRK, SELAHÂTTIN (Bacteriology and Epedemiology).
KURAL, ŞEMSİ (Anatomy).
MIMIOĞLU, MIHRI (Parasitological Diseases).
NOYAN, AHMET (Physiology).
ÖKTEL, NURETTIN (Pharmacology, Toxicology).
ÖKTEM, BURHANETTİN (Obstetrics and Gynæcology).
OYTUN, H. ŞÜKRÜ (Parasitology).
PAMUKÇU, MAHIR.
SENGİR, ENVER (Pathology).
TÜZDİL, NEVZAT (Protozoology and Parasitology).
YALKI, S. NEJAT (Internal Diseases).

Faculty of Agriculture:
AKUAN, ARİF (Oenology).
ALKAN, BEKİR (Plant Pathology).
ARAN, SADRİ (Landscape Gardening).
BOZKAYA, ESAT. A. (Agricultural Engineering).
ÇAĞLAR, KERİM ÖMER (Soils).
CALGÜNER, CEMIL (Economics and Agricultural Management).
DEMİRTAŞ, HAMİT (Field Machinery).
DÜZGÜNES, ORHAN.
DÜZGÜNES, ZELIHA (Plant Pathology).
EKER, MACIT (Zootechnics).
ERALP, MUAZZEZ (Dairy Husbandry).
EŞBERK, TEVFİK (Fibre Technology).
EVLİYA, HALİT (Plant Nutrition).
GÖKÇORA, HÜSEYİN (Agronomy).
HIZALAN, EYÜP.
İZMEN, EKREM (Dairy Husbandry).
KANSU, SEDAT (Animal Nutrition).
KISAKÜREK, HAKKI (Horticulture).
KÖŞKER, ÖMER.
KÖYLÜ, KÂZIM (Economics and Agricultural Management).
ÖNCÜ, CAHİT (Fibre Technology).
ORAMAN, NAİL (Horticulture).
ÖZBEK, NURİNİSA (Plant Nutrition and Soil Fertility).
ÖZBEK, SABAHATTİN (Fruit Culture).
SÖNMEZ, NECMETTIN (Culture Techniques).
TARIMAN, CELÂL (Industrial Crops).
TARMAN, ÖMER (Forage Crops, Pasture Crops, Irrigation Practice, Land Reclamation).
TEKELİ, SAİT T. (Industrial Agriculture).
TOSUN, OSMAN (Agronomy).
USLU, MUTTALİP (Landscape Gardening).
YARKIN, İBRAHİM (Zootechny).
YAZICIOĞLU, TURGUT (Oenology).

Faculty of Theology:
BİRAND, KAMURAN (Philosophy and Logic).
ÇAĞATAY, NESET (History and Islamic Art).
ETTANCI, MUHAMMED TAVID (Islamic Philosophy)
LÜGAL, NECATİ (Classical and Oriental Languages).
ÜLKEN, HİLMİZİYA (Philosophy and Logic).
YETKİN, SUUT KEMAL (History of Islamic Arts).

Faculty of Political Science:
AKTAN, REŞAT (Commercial Policy).
ARAR, ALİ KEMAL (Commercial Law).
AREN, SADUN.
ARIK, KEMAL FİKRET (Civil Law).
BALTA, TAHSİN BEKİR (Administrative Law).
BİLGE, ALİ SUAT (Public International Law).
ESMER, AHMET SÜKRÜ (Political History and International Political Relations).
FERMAN, CUMHUR (Business Administration and Accounting).
GÜRSÖY, BEORİ (Public Finance).
KÖNİ, BURHAN (Criminal Law).
MERAY, SEHA (International Public Law).
SAVCI, MEHMET BAHRİ (Constitutional Law).
TALAS, CAHIT.
ÜSTUNEL, BESİM (General Economics).
YALÇIN, AYDIN (Commercial Policy).
YAVUZ, FEHMİ (Urban Studies).

ATATÜRK ÜNIVERSİTESİ
(Atatürk University)
ERZURUM
Telephone: 1209
Founded 1957

Rector: BEKIR SITKI BAYKAL.
General Secretary: FERRUH SANIR.
Library of 70,000 vols.
Number of teachers: 89.
Number of students: 460.

DEANS:
Faculty of Agriculture: LÜTFI ÜLKÜMEN.
Faculty of Science and Letters: AHMET OZET.
Agricultural Research Institute: ÖMER BAYKAK (Dir.).
East Anatolian Research Institute: HALÜK IPEKTEN (Dir.),

EGE ÜNIVERSİTESİ
(Aegean University)
BORNOVA, IZMIR
Telephone: 29144

Rector: MUSTAFA ULUOZ.
General Secretary: NUREDDIN AŞIKHAN.
Number of teachers: 300.
Number of students: 1,200.

DEANS:
Faculty of Medicine: VEHBI GÖKSEL.
Faculty of Agriculture: RAUF ADAM.
Faculty of Science: YUSUF VARDAR.

İSTANBUL ÜNİVERSİTESİ
(Istanbul University)
BAYEZIT, ISTANBUL
Telephone: 224320
Founded 1453; reorganised in 1927 and 1933.

Rector: Prof. Dr. SIDDIK SAMİ ONAR.
Secretary-General: SAIT TURAN.
Number of teachers: 577, including 157 professors.
Number of students: 23,052.

DEANS:
Faculty of Literature: Prof. Dr. VAHİT TURHAN.
Faculty of Economics: Prof. Dr. MEKMET OLUÇ.
Faculty of Law: Prof. Dr. NACI ŞENCOY.
Faculty of Medicine: Prof. Dr. HALİT ZİYA KONURALP.
Faculty of Science: Prof. Dr. ATIF SENGÜN.
Faculty of Forestry: Prof. Dr. SALÄHADDIN INAL.

PROFESSORS:
Faculty of Literature:
ALKIM, BAHADIR. (Middle Eastern Languages and Literature)
ARAT, RAHMETİ (History of the Turkish Language).
ARDEL, AHMET (Geography).
ASLANAPA, OKTAY. (Aesthetics and History of Arts).
ATEŞ, AHMET (Arabic Philology).
BAYSUN, CAVIT (History).
BULUC, SADETTIN. (Toxicology).
CAFEROĞLU, AMET (Turcology).
DARKOT, BESİM (Turkish Geography).
ERALP, VEHBİ (Systematic Philosophy).
ERİNG, SIRRI. (Geography).
GLAZIER, EDWARD (English Literature).
GÖKBERK, MACİT (History of Philosophy).
GÖKBILGIN, TAYYIP. (History).
HART, CHARLES WILLIAM (Anthropology).
IZ, FAHIR. (Mediæval Turkish Literature).
KAPLAN, MEHMET (Modern Turkish Literature).
MAHL, BERNARD (Pedagogy).
MANSEL, ARİF MÜFİT (Archæology).

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SCHEJA, GEORGES (Aesthetics and History of Art).
SIYAVUŞGIL, SABRI. (Psychology).
ŞEMIN, REFIA (Pedagogy).
TANPINAR, AHMET HAMDI (Modern Turkish Literature).
TARLAN, ALI NIHAT (History of Old Turkish Literature).
TOGAN, ZEKI VELIDI (Turkish History).
TUKIN, CEMAL (Contemporary History).
TURHAN, MÜMTAZ (Experimental Psychology).
TURHAN, VAHIT (English Literature).
WILLIAM, DAVID GEORGE (English Literature).
YINANÇ, MÜKRIMIN HALIL (Medieval History).

Faculty of Economics:

BARDA, SULEYMAN (General Economics and Economic Theory.
BARKAN, ÖMER LUFTI (Economic History and Economic Geography).
CILLOV, HALÛK (Statistics).
DARKOT, BESIM (Economic History and Economic Geography)
DIKMEN, ORHAN. (Finance and Financial Law).
ERGIN, FERIDUN. (General Economics and Economic Theory)
FEYZIOGLU, BEDII. (Finance).
FINDIKOĞLU, ZIYAEDDIN F. (Sociology and Political Science).
FURGAÇ, HAYDAR. (Statistics).
KUBALI, HÜSEYIN NAIL (Constitutional Law).
OLUÇ, MEHMET. (Business Administration).
ONAR, SIDDIK SAMI (Administrative Law).
ÖZGÜR, FERIDUN. (Business Administration).
SARICA, RAGIP (Administrative Law).
SUVLA, REFII ŞÜKRÜ (General Economics and Economic Theory).
TUNA, ORHAN (Sociology and Political Science).
TURKOĞLU, ABDULLAH (Political History and Political Geography).
ÜLGENER, SABRI (Economics and Finance).

Faculty of Law:

ARSEVAN, HAYDAR (Maritime and Aerial Law).
BARKAN, ÖMER LUTFI (History of Turkish Law).
BELIG, MAHMUT (Public International Law).
ÇAĞIL, ORHAN MÜNÜR (Introduction to Law and Philosophy of Law).
CROZAT, CHARLES (Public International Law).
DAVRAN, BÜLENT (Comparative Civil Law).
DÖNMEZER, SULHI (Criminal Law and Procedure).
DÜRAN, LÜTFÜ (Administrative Law).
ERMAN, SAHIR. (Criminal Law and Procedure).
FINDIKOĞLU, ZIYAEDDIN (Sociology).
KORAL, RABI. (Civil Law).
KUNTER, NURULLAH (Criminal Law and Procedure).
ONAR, SIDDIK SAMI (Administrative Law).
POROY, REHA (Mercantile Law and Law of Insurance).
POSTACIOĞLU, ILHAN (Civil Procedure and Bankruptcy).
RADO, TÜRKÂN (Roman Law).
SARC, CELÂL (Statistics).
SARICA, RAGIP (Administrative Law).
ŞENCOY, NACI (Criminal Law and Procedure).
SEVIĞ, MUAMMER RAŞIT (Private International Law).
VELIDEDEOĞLU, HIFZI (Civil Law).
VERSAN, VAKUR (Administrative Law).

Faculty of Medicine:

ABAOĞLU, CIHAT (Internal Diseases).
ALPSOY, CEVAT (Children's Surgery and Orthopædics).
ARISAN, KÂZIM (Gynæcology).
ARTUNKAL, SUPHI (Pharmacology and Therapeutics).
ATA, PERTEV (Dental Diseases and Therapy).
BARLAS, OSMAN (Internal Diseases).
BELGER, LEMI (Dental Prosthetics).
BERGER, METINE (Pediatrics).
BERKTIN, KEMAL (Phthsiology).
BILHAN, NEBIL (Internal Diseases).
ÇETINGIL, ARIF ISMET (Internal Diseases).
CLARA, MAX. (Histology).
DAYCOĞLU, KAZIM. (Psychiatry).
DOGRUER, FEYZULLAH (Dental Prosthetics).
DORKEN, NIHAT (Surgical Diseases).
GARAN, REŞAT (Pharmacology and Therapeutics).
GORBON, BEDII (Surgical Diseases).
GÜRKÂN, SUAT ISMAIL (Dental Diseases and Therapy).
IRMAK, SADI (Physiology).
KARATAY, SAFA (Oto-rhino-laryngology).
KERIMOGLU, SABAHATTIN (Neurology).
KONURALP, HALIT ZIYA (Surgery).
KORKUD, GILASETTIN. (Urology).
MANIZADE, DERVIS (Surgery).
NOYAN, FAZIL (Anatomy).
OKYAY, ORHAN (Orthodontics).
SABAR, INSAN. (Phthsiology).
SAKA, OSMAN (Physiopathology).
SARPYENER, AHMET MÜNIR (Child Surgery and Orthopædics).
SEZER, NECDET. (Ophthalmology).
TAGAY, SEVKET (Dental Surgery).
TARCAN, BÜLENT (Surgical Diseases).
TAVAT, SEDAT (Pharmacology and Therapeutics).
TERZIOĞLU, MELIHA (General Physiology).
TULUS, RASIM (Analytical Chemistry and Toxicology).
TUMAY, SEZAI BEDRETTIN (Pediatrics and Children's Diseases).
TURHAN, BESIM (Pathological Anatomy).
UNAT, EKREM (Parasitology).
ÜNVER, SÜHEYL (History of Medicine).
VELICANGIL, SITKI (Hygiene).
YALGIN, HIKMET (Forensic Medicine).
YALIM, ZEKI RAGIP (Hygiene).
YEMNI, OSMAN (Dermatology).
YENEN, ERTUĞRUL (Gynæcology).
YENSON, MUTAHHAR (Biochemistry).

Faculty of Science:

AKDIK, SARA (Pharmacobotany).
AKPINAR, SAIT (Experimental Physics).
ALPAR, SAFFET RIZA (Industrial Chemistry).
ARF, CAHIT (Higher Algebra).
BAYKAL, FUAT (Geology and Palæontology).
BENEL, HILMI (General Physics).
ÇERKEM, ALI RIZA (Physical Chemistry).
BIRAN, LÜTFI (Mathematics).
BREUSCH, LUDWIG. (Chemistry).
CONSTABLE, FREDRIK HURN (Physical Chemistry).
ERDEM, BAHA (General Chemistry).
ERMIN, RECAI (Zoology).
GIZ, FAZILA ŞEVKET (Zoology).
GÖKDOĞAN, NÜZHET (Astronomy).
HASMAN, MÜRÜWET (Botany).
KESKIN, HALID (Biochemistry).
OKAY, AHMET CAN (Geology).
ÖZDOĞAN, IHSAN (Physics).
PAMIR, HAMIT NAFIZ (Geology and Palæontology).
ŞEMIN, FERRUH (Geometry).
ŞENGÜN, ATIF (Zoology).
SEYHAN, MUVAFFAK (General Chemistry).
SOKOLLU, ADNAN (Experimental Physics)
TEREM, HALDUN NÜZHET (Industrial Chemistry).
TERZIOĞLU, NAZIM (Mathematics).
TUNAKHAN, SADRETTIN. (General Physics).
ULUSOY, EMIN. (General Physics).
YENIÇAY, FAHIR (General Physics).
ZUBER, KURT (Experimental Physics).

Faculty of Forestry:

ACATAY, Dr. GAFUR (Forest Entomology and Preservation).
ERASLAN, ISMAIL (Forest Policy and Management).
ERDEM, REFIK (Forest Entomology and Protection).
ERKIN, KEMAL (Geodesy).
BERKEL, Dr. ADNAN (Wood Technology and Utilisation).
FIRAT, Dr. FEHIM (Forest Economics).
HUS, SAVNI (Forest Products Chemistry).
ILKMEN, Dr. ŞEREF NURI (Economics).
INÁL, SALÂHADDIN (Forest Policy and Management).
IRMAK, Dr. ASAF (Ecology and Forest Soils).
KAYACIK, HAYRETTIN (Forest Botany).
SAATÇIOĞLU, Dr. FIKRET (Silviculture).
TAVŞANOĞLU, Dr. FAIK (Forest Administration).

ISTANBUL TEKNIK ÜNIVERSITESI
(Technical University of Istanbul)

GÜMÜŞŞUYU CADDESI 87, BEYOGLU, ISTANBUL

Telephone: 482250

Founded 1773.

Rector: Prof. FIKRET NARTER.
General Secretary: EKREM REŞIT ULUÇ.
Librarian: NACI YÜNGÜL.

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Number of teachers: 239, including 51 professors.
Number of students: 2,218.

Publications: *Bulletin, Istanbul Teknik Üniversitesi Dergisi.*

DEANS:

Faculty of Civil Engineering: Prof. MUSTAFA İNAN.
Faculty of Architecture: (Vacant).
Faculty of Mechanical Engineering: Prof. HİKMET BİNARK
Faculty of Electrical Engineering: Prof. MÜNİR ÜLGÜR.
Faculty of Mining Engineering: Prof. MALİK SAYAR.

PROFESSORS:

Faculty of Civil Engineering:
BERKMAN, A. FUAT (Building Management).
BERKMAN, ENVER (Railways).
ENGEN, NECATI (Water Hydraulics).
GÖZE, İHSAN HAMDI (Distribution and Purification of Water).
HORNINGER, H. (Descriptive Geometry).
İNAN, İHSAN (Reinforced Concrete).
İNAN, MUSTAFA (Resistance of Materials).
NALBANTOĞLU, REŞAT (Economics, Business Administration).
PEYNİRCIOĞLU, HAMDI (Soil Mechanics and Foundations).
TÜRKMEN APDULLAH (Timber and Steel Construction).
UMAR, FARUK (Roads and Communication).
YARAR, RIFAT (Reinforced Concrete and Higher Resistance).
YAŞAR, SAİT (Topography, Geodesy).

Faculty of Architecture:
DİLGAN, HAMİT (Higher Mathematics).
GÖKDOĞAN, MUKBİL (Building Construction).
KURAN, SAİT (Reinforced Concrete).
SÖYLEMEZOĞLU, KEMALİ (Building Construction).
VERZONE (History of Architecture).

Faculty of Mechanical Engineering:
BERKER, RATİP (Mechanics).
BİNARK, HİKMET (Motors).
ÇUHADAR, NURETTİN (Technology).
DUSCIO, FRANÇOIS (Power Engineering).
GÖRGÜN, KÂMURAN (Steam Engines and Turbines).
İLERİ, HİLMİ (Elementary Mechanics).
NARTER, FİKRET (Heating Technics).
NUTKU, ATA (Naval Architecture).
SAĞIŞMAN, MUZAFFER (Testing Materials).
TERZİOĞLU, FAHRİ (Aeronautical Construction).
WEYRICH, RUDOLPH (Higher Mathematics).

Faculty of Electrical Engineering:
BODUROĞLU, TURGUT (Electrical Machines and Influences)
GÜRMEN, HALDUN (Electrical Measurement and Applied Electricity).
KARAFAKIOĞLU, BEDRİ (Telephones and Telegraphs).
SEPEN, CABİR (Industrial Application of Electricity).
SERDAROĞLU, NAMİ (Chemistry).

Faculty of Mining Engineering:
CIVAOĞLU, İLHAMİ (Chemistry).
KETİN, İHSAN (Stratigraphy and Tectonics).
KÜRKÇÜOĞLU, NÜSRET (Physics).
SAYAR, MALİK (Geology).
SCHUMACHER, FRIEDRICH (Ore Deposits).

ORTA DOĞU TEKNİK ÜNİVERSİTESİ
(The Middle East Technical University)

24 MUDAFAA CADDESI, YENIŞEHIR, ANKARA
Telephone: 123490
Founded 1956

Rector: Dr. KEMAL KURDAS.
Registrar: E. H. K. DIBDEN, M.A., A.K.C., A.M.BRIT.I.R.E.
Number of students (1963): 2,300.

DEANS:

School of Administrative Sciences: C. H. DODD, M.A. (acting).
School of Architecture: A. KURAN, M.ARCH. (acting).
School of Engineering: M. PARLAR, M.SC., D.E.E. (acting).
School of Arts and Sciences: Prof. Dr. C. ULUÇAY, PH.D.

The School of Arts and Sciences includes Departments of Education, Agriculture and Forestry, which are planned to become separate schools.

The University is being set up with help from the United Nations Special Fund and further assistance from the United Kingdom, United States, and Holland. It operates under an independent Board of Trustees on grants from the Turkish Government. There is a ten-year building programme which will provide for an ultimate enrollment of 20,000 students on a 12,000 acres site six miles south of Ankara. Teaching is in English. Admission is by competitive examination given in centres in Turkey and several cities in the Middle East. The aim of the University is to serve Turkey and the Middle East by offering professional education of high standard.

COLLEGES AND INSTITUTES OF HIGHER EDUCATION

GAZI EDUCATIONAL INSTITUTE
ANKARA
Founded 1926.

Director: Mr. SÜLEYMAN ÖLÇEN.
Number of teaching staff: 110.
Number of students: 765.

NECATİ EĞİTİM ENSTİTÜSÜ
(Necati Institute of Education)
BALIKESIR
Founded 1944

Director: ADNAN CAKMAKCIOĞLU.
Number of teachers: 19.
Number of students: 304.

Departments of Science and Social Studies. Two-year training course for Junior School teachers.

GÜZEL SANATLAR AKADEMISI
(Academy of Fine Arts)
ISTANBUL-FINDIKLI
Telephone: 495410, 495411
Founded 1882.

Director: ASIM MUTLU.
Assistant Directors: CEZAR MUSTAFA, SILIVRILI KERIM.
Librarian: AKKALP SAHAVET.
Number of teachers: 72.
Number of students: 693.

HEADS OF FACULTIES:

Painting: TOLLU CEMAL.
History of Turkish Arts: (Vacant).
Architecture: İZGI UTARIT.
Decorative Arts: GÖZEN SABIH.

The academy attained the status of an institute of higher education in 1917 under the name of the Higher School of Fine Arts; it was re-organised as the Academy of Fine Arts in 1926.

ISTANBUL TEKNIK OKULU
(Istanbul School of Technology)
YILDIZ, ISTANBUL
Telephone: 47 34 30
Founded 1937

Director: VAKKAS AYKURT.
Assistant Directors: GAZANFER ERIM, NECMI TURFAN.

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Number of teaching staff: 117.
Number of students: 1,250.

HEADS OF DEPARTMENTS:

Civil Engineering: ZIYA BABAN.
Mechanical Engineering: MÜMTAZ BALSÖZ.
Electrical Engineering: ADNAN ERGENELI.
Architecture: MARUF ÖNAL.
Geodesy: EKREM ULSOY.

ISTANBUL YÜKSEK EKONOMI VE TICARET OKULU
(Istanbul School of Economics and Commercial Science)

ISTANBUL

Founded 1883.

Director: Prof. Dr. NIHAD SAYAR.
Assistant Directors: NAIL ESIN, RIZA AKBORA.
Secretary: IRFAN SÖZER.
Registrar: ASUMAN BERI.
Treasurer: ŞERIF UZUN.
Librarian: RIHVET GÓVEL.

The library contains 8,863 volumes.
Number of professors: 29.
Number of students: 1,713.

THE AMERICAN COLLEGES IN ISTANBUL

P.O. BOX 8, BEBEK, ISTANBUL

Comprising Robert College, Robert Academy, and the American College for Girls.

CORPORATE OFFICERS:

President: P. M. MALIN.
Vice-President in Charge of Business Affairs: JAMES L. BRAINERD.
Director of Relations with Educational Institutions Abroad: ROBERT S. HARDY.

ACADEMIC DIVISION OFFICERS:

Senior Vice-President, Robert College: U. BAHADIR ALKIM.
Vice-President, Robert College: HOWARD P. HALL.
Principal, Robert Academy: CORNELIUS H. BULL.
Vice-President and Dean, American College for Girls: ELEANOR C. ROMIG.

ROBERT COLLEGE

BEBEK, P.K. 8, ISTANBUL

Telephone: 63 56 50

Founded 1863

Dean, School of Business Administration and Economics: PETER G. FRANCK.
Dean, School of Engineering: WITHOLD BRZOZOWSKI.
Acting Dean, School of Sciences and Foreign Languages: HOWARD P. HALL.
Director, Research Center: NECMI TANYOLAÇ.
Director, English Language Center: SHELDON WISE.
Acting Librarian: ANNIE SCOTT DÜREN.
Dean of Students: RUHI KEKLIKOĞLU.
Registrar and Director of Admissions: GEORGE WOODS WILLIAMS.

Number of teachers: 58.
Number of students: 527 Turkish, 52 foreign, total 579.

ROBERT ACADEMY

BEBEK, P.K. 8, ISTANBUL

Founded 1863

Yardirektor: MUZAFFER YEŞIM.
Assistant Principal: EDWARD C. JACOBSEN.
Dean of Students: ASA J. BABER.
Registrar and Director of Admissions: KAZAR ERYORULMAZ.

Number of teachers: 36.
Number of students: 375 Turkish, 5 foreign, total 380.

AMERICAN COLLEGE FOR GIRLS

ARAVUTKÖY, ISTANBUL

Founded 1871

Yardirektor: NEYIRE BAYSAL.
Orta Principal: MILLICENT KENT.
Librarian: RUTH BRADLEY.
Dean of Students: FRITZIE E. GAREIS.
Registrar and Director of Admissions: DOROTHY ASHOVER.

Number of teachers: 61.
Number of students: 696 Turkish, 9 foreign, total 705.

Capa Eğitim Enstitüsü (*Çapa Educational Institute*): Çapa, Istanbul.

Erkek Teknik Öğretmen Okulu (*Technical Teachers' Training School for Men*): Ankara; f. 1937.

Kiz Teknik Öğretmen Okulu (*Technical Teachers' Training School for Women*): Ankara; f. 1934.

Zonguldak Maden Teknik Okulu (*Technical School of Mining*): Zonguldak.

MUSIC AND DRAMA

Istanbul Municipal Conservatoire: Istanbul; f. 1923; internal and external sections.

Director: HIKMET TONGUR.

Members of the Artistic Council: Pres. FERDI STATZER (Piano), RAŞID ABED (Harmony), SERIF YÜZBAŞIOĞLU (Harmony), ORHAN BORAR (Violin), FEYHA TALAY (Cello).

Number of teachers: 66.
Number of students: 786.

Izmir State Conservatoire: Izmir; f. 1951.

State Conservatoire: Ankara; formerly Ecole Normale de Musique; music, including opera and ballet, and drama.

Director: Prof. CARL EBERT.

Theatre Institute: Ankara; formed as a branch of Ankara University 1958; Dirs. Prof. BEDRETTIN TUNCEL, Prof. IRFAN SAHINBAS; 245 students.

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UGANDA

Population 6,845,000

LEARNED SOCIETIES

British Council, The: P.O. Box 914, Kampala; Representative for Uganda PETER MARSH; English Language Officer W. J. BALL; Regional Director for Eastern Province R. LE FANU, Mbale; Regional Director for Western Province E. INKPAN, Fort Portal.

East African Literature Bureau: Uganda Branch: P.O. Box 1317, Kampala; Librarian Miss P. M. FIDDES.

Uganda Society: 1st Floor, National Cultural Centre, Private Bag, Kampala; membership open to persons of all races and institutions, to promote interest in literary, historic, scientific and general cultural matters, discovering and recording facts about the country, arranging lectures and establishing contacts; reference library and lending library 3,000 vols. and periodicals; publ. *The Uganda Journal.*

RESEARCH INSTITUTES

Animal Health Research Centre: P.O. Box 24, Entebbe; f. 1923; research and field work in animal diseases, husbandry and nutrition; herbarium; library of 3,000 vols.; Chief Research Officer T. J. COYLE (acting); publs. numerous research papers.

Cotton Research Station (Namulonge): (*Empire Cotton Growing Corporation*): P.O. Box 884, Kampala; pure and applied aspects cotton culture and technology; library 3,050 vols.

Government Analytical Laboratory: P.O. Box 16041, Kampala; formerly Medical Laboratory; general analytical work, forensic investigations, chemistry and bacteriology of food and water.

Infantile Malnutrition Research Unit: Medical Research Council, Mulago Hospital, Kampala; Dir. R. F. A. DEAN, PH.D., F.R.C.P.

Kawanda Agricultural Research Station: P.O. Box 265, Kampala; soil and agricultural research; herbarium, soil samples and collection of insects; open to visitors by invitation and appointment.

REGIONAL INSTITUTES

Uganda is a member of the East African Common Services Organisation and its Research Institutes: *see* Great Britain—Overseas Territories. Institutes of the Organisation in Uganda:

East African Freshwater Fishery Research Organisation: P.O. Box 343, Jinja, Uganda; f. 1948; hydrobiological and fisheries research; library of 500 vols.; Dir. (Vacant); publ. *Annual Report.*

East African Leprosy Research Centre (The John Lowe Memorial): P.O. Box 1044, Busia, Uganda; Dir. (Vacant).

East African Virus Research Institute: P.O. Box 49, Entebbe, Uganda; f. 1949; investigation into the properties, relationships and epidemiology of yellow fever and other arthropod-borne viruses; Dir. Dr. A. J. HADDOW.

East African Institute of Social Research: Makerere College, Kampala; *see* Great Britain—Overseas Territories.

LIBRARIES

British Council Library: Kampala Road, Kampala; 3,500 vols.; also at Mbale and Portal.

Empire Cotton Growing Corpn.: Namulonge, P.O. Box 884, Kampala; specialised library for research students.

Kampala City Library: P.O. Box 210, Kampala; f. 1953; 13,000 vols.; Librarian Mrs. F. L. BARNES.

Makerere University College Library: P.O. Box 262, Kampala; 87,000 vols., 1,700 periodicals; special collections of East Africana, Swahili; deposit collections of Uganda publications, U.N. and specialised agencies; Librarian E. J. BELTON, M.A., F.L.A.

Makerere University College Medical Library: P.O. Box 2072, Kampala; approx. 20,000 vols.; Librarian Miss M. THOMPSON, B.SC.

The Secretariat Library: The Secretariat, P.O. Box 5, Kampala; intended to be a comprehensive collection concerning Uganda, also has main works on East Africa, Africa and the British Commonwealth; available to students at the discretion of the Chief Secretary.

MUSEUMS

Entebbe Botanic Gardens: P.O. Box 40, Entebbe; collection of native and exotic plants.

Forest Department Library and Herbarium: Forest Office, P.O. Box 31, Entebbe; f. 1904; 10,000 specimens; specialised library open to students by special arrangement with the Chief Conservator of Forests.

Forest Department Utilisation Division: Nakawa Forest Station, P.O. Box 1752, Kampala; collection of Uganda timbers; entomology section; small specialised library.

Game and Fisheries Museum, Zoo, Aquarium and Library: P.O. Box 4, Entebbe; collections of heads of game animals, reptiles, fish and butterflies, hunting and fishing implements and weapons; library of approx. 1,100 vols.

Geological Survey Museum and Library: P.O. Box 9; Entebbe; about 37,500 specimens of rocks and minerals, library of over 9,850 vols. and 3,850 separates.

Uganda Museum: P.O. Box 365, Kampala; ethnology; archæology, palæontology; science and industry pavilion; special collection of African musical instruments; centre for archæological research in Uganda; Curator Dr. W. W. BISHOP.

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Folk Museums: at Soroti for the Iteso and at Mbarara for the Banyankole Peoples.

National Park Museums: at Mweya in Queen Elizabeth National Park and at Paraa in Murchison Falls, National Park.

UNIVERSITY

UNIVERSITY OF EAST AFRICA

P.O. BOX 44, ENTEBBE, UGANDA

Telephone: Entebbe 881

Founded 1963

Vice-Chancellor: B. DE BUNSEN, C.M.G., M.A.

Comprises: Makerere College (*see* below), The Royal College (*see* Kenya), and the University College, Dar es Salaam (*see* Tanganyika).

MAKERERE UNIVERSITY COLLEGE

P.O. BOX 262, KAMPALA

Telephone: 2471

Founded as a technical school in 1922, the College became a University College in 1949 since when it has been in Special Relation with the University of London, It is now one of the constituent Colleges of the University of East Africa.

Chairman of the Council: Y. K. LULE, C.B.E.

Principal: Sir BERNARD DE BUNSEN, C.M.G., M.A.

Deputy Principal: Prof. J. A. ANDREWS, D.SC. (Lond.), F.INST.P.

Vice Principal: Prof. L. C. BEADLE, M.A. (Cantab).

Secretary: A. C. T. ROWE-EVANS, B.A. (Lond.).

Registrar: P. F. VOWLES, M.A. (Oxon.).

Librarian: E. J. BELTON, M.A. (Oxon)., F.L.A.

Number of teaching staff: 150, including 21 professors.

Number of full-time students in residence: 900 men, 100 women, total, 1,000.

DEANS:

Faculty of Arts: G. WALTON, M.A., M.LITT. (Cantab).

Faculty of Agriculture: F. B. WILSON, M.B.E., M.A.

Faculty of Science: D. M. THOMSON, M.A., PH.D. (Cantab.).

Faculty of Education: H. CREASER (acting), B.SC., DIP.ED. (Leeds), A.R.I.C.

Faculty of Medicine: D. B. ALLBROOK, M.B.B.S., PH.D. (Lond.).

Faculty of Social Sciences: S. W. SOUTHALL, M.A. (Cantab.), PH.D. (Lond.).

PROFESSORS:

ALLBROOK, D. B., M.B., B.S., PH.D. (Anatomy).
BAKER, S. J. K., M.A. (Geography).
BEACHEY, R. W., B.A., PH.D. (History).
BEADLE, L. C., M.A. (Zoology).
CRAWFORD, M., D.SC., PH.D., F.R.I.C. (Chemistry).
HUTT, M. S. R., M.D., M.R.C.P. (Pathology).
JELLIFFE, D. B., M.D., F.R.C.P. (Pædiatrics).
KING, The Rev. N. Q., M.A., PH.D. (Religious Studies).
LEYS, C., M.A. (Political Science).
LUCAS, E. A., M.A. (Education).
LUCK, C. P., B.SC., M.B., B.CH. (Physiology).
MCADAM, I. W. J., M.B., CH.B., F.R.C.S. (Surgery).
RENDLE-SHORT, CORALIE, M.D., CH.M., F.R.C.O.G. (Obstetrics, Gynæcology).
SPENCE, D. H. N., B.SC., PH.D. (Botany).
STONIER, A. W. (Economics).
SOUTHALL, A. W., M.A., PH.D. (Sociology).
THOMSON, D. M., M.A., PH.D. (Physics).
TULLOCH, J. A., M.C., M.D., F.R.C.P. (Medicine).
WALTON, G., M.A., M.LITT. (English).
WELTER, C. P., M.SC., PH.D. (Mathematics).
WILSON, F. B., M.B.E., M.A. (Agriculture).
(Vacant—Preventive Medicine.)

Kampala Technical Institute: P.O. Box 181, Kampala; Schools of Mechanical Engineering (inc. Electrical), Science and Mathematics, Commerce and Building; library 5,000 vols. inc. complete set of British Standards.

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UNION OF THE REPUBLICS OF CENTRAL AFRICA

CENTRAL AFRICAN REPUBLIC

Population 1,800,000

LEARNED SOCIETY AND RESEARCH INSTITUTES

Alliance Française: Bangui; 2 committees.

Centre d'Etudes sur la Trypanosomiase Animale: Bouar; also stations at Bewiti and Bambari.

Centre de Recherches Agronomiques de Boukoko (*Agricultural Research Centre*): M'Baiki, Boukoko; investigations into tropical agriculture and plant diseases; library.

Centre Polyvalent de Bangui: B.P. 793, Bangui; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); conducts research in pedology, hydrology and medical entomology.

Laboratoire et Station Expérimentale d'Etudes pour la Protection des Matériaux et Matériels: Maboke-M'Baiki (a museum of natural history is projected).

Pasteur Institute: B.P. 923, Bangui; f. 1961; Research on Arbovirus exclusively.

Station Centrale du Caféier: Boukoko.

COLLEGES

Collège Classique et Moderne: Bangui; some higher studies in philosophy and mathematics.

Ecole Centrale d'Agriculture: Boukoko.

Ecole Territoriale d'Agriculture: Grimari.

CHAD

Population 2,700,000

RESEARCH INSTITUTES

Centre de Recherches Tchadiennes: Fort-Lamy; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer).

Institut de Recherches du Coton et des Textiles Exotiques (*Research Institute for Cotton and Tropical Textiles*): Bebedjia and Tikem.

Institut d'Elevage et de Médicine Vétérinaire des Pays Tropicaux: Farcha, Fort Lamy.

Laboratoire de Recherches Vétérinaires et Zootechniques de Farcha: B.P. 433, Fort-Lamy.

COLLEGES

Centre de Formation Professionnelle Technique: Fort-Lamy.

Collège Franco-Arabe: Abéché.

Ecole Professionelle: Fort-Archambault.

CONGO REPUBLIC (BRAZZAVILLE)

See separate chapter under this heading.

GABON

Population 500,000

LEARNED SOCIETY AND RESEARCH INSTITUTES

Alliance Française: Franceville; 1 committee.

Centre Technique Forestier Tropical: Section Gabon; B.P. 354, Libreville.

Institut des Recherches Agronomes et de Culture Vivrière (*Research Institute for Agriculture and Livestock*): Libreville.

Mission de l'ORSTOM: Liberville.

COLLEGES

Ecole Territoriale d'Agriculture: Oyem.

Institut Gabonais d'Etudes Juridiques: Libreville.

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UNION OF SOVIET SOCIALIST REPUBLICS

Population 219,745,000

ACADEMIES, LEARNED SOCIETIES AND RESEARCH INSTITUTES

Most learned societies and research institutes in the U.S.S.R. are attached to the relevant academies.

ACADEMY OF SCIENCES OF THE U.S.S.R.

LENIN PROSPEKT (formerly B. KALUZHSKAYA 14), MOSCOW

Founded 1725.

The Academy is directly subordinate to the Council of Ministers of the U.S.S.R. It is divided into nine Departments: (1) Physics and Mathematics; (2) Chemistry; (3) Geology and Geography; (4) Biology; (5) Technical Sciences; (6) History; (7) Economics, Philosophy and Law; (8) Literature and Language; (9) Siberian.

In 1960 the Academy directed the work of 260 scientific institutes. These included commissions, museums, research stations and laboratories. There are 11 scientific societies under the Academy's jurisdiction.

President: M. V. KELDYSH.

Vice-Presidents: V. A. KIRILLIN, M. D. MILLIONSHCHIKOV, P. N. FEDOSEYEV, M. A. LAVRENTIEV.

Chief Learned Secretary: M. I. AGOSHKOV (acting).

Deputy Chief Learned Secretaries: M. I. AGOSHKOV, G. D. AFANASSIEV, V. A. VINOGRADOV.

Members of the Praesidium: A. N. NESMEYANOV, M. A. LAVRENTIEV, N. N. SEMENOV, D. I. SCHERBAKOV, A. A. BLAGONRAVOV, V. S. NEMCHINOV, V. V. VINOGRADOV, V. A. AMBARTSUMYAN, I. I. MUSKHELISHVILI, A. V. PALLADIN, K. I. SATPAYEV, A. Y. ARBUZOV, L. A. ARTSIMOVICH, M. M. DUBININ, P. L. KAPITZA, M. V. KELDYSH, M. P. KOSTENKO, A. L. KURSANOV, I. G. PETROVSKY, E. K. FEDOROV, A. P. ALEKSANDROV, P. N. FEDOSEEV, E. M. ZUKOV, N. M. SISAKYAN, A. V. TOPCHIEV, K. V. OSTROVITANOV, S. P. KOROLEV, B. E. PATON.

MEMBERS:

ALEKSEEV, M. P. (Literature).
ALEXANDROV, A. P. (Physics).
ALEXANDROV, P. S. (Mathematics).
ALIKHANOV, A. I. (Experimental Physics).
AMBARTSUMYAN, V. A. (Astro-Physics).
ANDREYEV, N. N. (Acoustics).
ANICHKOV, N. N. (Pathology).
ARBUZOV, A. Y. (Organic Chemistry).
ARBUZOV, B. A. (Organic Chemistry).
ARTOBOLEVSKY, I. I. (Mechanics).
ARTSIMOVICH, L. A. (Physics).
ARZUMANYAN, A. A. (World Economy).
BAKULEV, A. N. (Medicine).
BALANDIN, A. A. (Organic Chemistry).
BELOSERSKY, A. N. (Biochemistry).
BELOV, N. V. (Crystallography).
BERG, A. I. (Radio-Technology).
BERITASHVILI, I. S. (Physiology).
BERNSTEIN, S. N. (Mathematics).
BETEKHTIN, A. G. (Geology).
BLAGONRAVOV, A. A. (Automatic Weapons).
BOCHVAR, A. A. (Metallurgy).
BOGOLYUBOV, N. N. (Mathematics).
BRUYEVICH, N. G. (Engineering).
CHELOMEY, V. N. (Mechanics).
CHERNIGOVSKY, V. N. (Animal Physiology).
CHERNYAYEV, I. I. (Inorganic Chemistry).
DEBORIN, A. M. (Philosophy).
DIKUSHIN, V. I. (Engineering).
DOLLEZHAL, N. A. (Energy).
DORODNITSYN, A. A. (Physics and Mathematics).
DRUZHININ, N. M. (History).
DUBININ, M. M. (Chemistry).
ENGELHARDT, V. A. (Biochemistry).
FEDIN, K. A. (Writer).
FEDOROV, E. K. (Geophysics).
FEDOSEEV, P. N. (Philosophy).
FESENKOV, V. G. (Astronomy).
FOK, V. A. (Physics).
FRUMKIN, A. N. (Physical Chemistry).
GERASIMOV, I. P. (Geography).
GLUSHKO, V. P. (Thermotechnics).
GREENBERG, A. A. (Chemistry).
GRIGORIEV, A. A. (Geography).
ILICHEV, L. F. (Philosophy).
IMSHENETSKY, A. A. (Microbiology).
ISHLINSKY, A. Y. (Automation).
KABACHNIK, M. I. (Chemistry).
KAPITZA, P. L. (Physics).
KARGIN, V. A. (Physical Chemistry).
KAZANSKY, B. A. (Organic Chemistry).
KELDYSH, M. V. (Mathematics).
KHARITON, Y. B. (Physics and Mathematics).
KHRISTIANOVICH, S. A. (Mechanics).
KIKOIN, I. K. (Physics).
KIRILLIN, V. A. (Thermotechnics).
KNUNYANTS, I. L. (Organic Chemistry).
KOCHINA, P. Y. (Mechanics).
KOLMOGOROV, A. N. (Mathematics).
KONDRATYEV, V. N. (Physical Chemistry).
KONRAD, N. I. (Philology).
KONSTANTINOV, B. P. (Physics).
KORNEYCHUK, A. E. (Literature).
KOROLEV, S. P. (Mechanics).
KORZHINSKY, D. S. (Mineralogy).
KOSTENKO, M. P. (Power Engineering).
KOTELNIKOV, V. A. (Radiotechnics).
KULEBAKIN, V. S. (Power Engineering).
KURDYUMOV, G. V. (Metal Physics).
KURSANOV, A. L. (Plant Physiology).
KUUSSINEN, O. W. (History).
KUZNETSOV, V. D. (Physics).
LANDAU, L. D. (Physics).
LAVRENTIEV, M. A. (Mathematics).
LEBEDEV, A. A. (Physics).
LEBEDEV, S. A. (Physics and Mathematics).
LEONTOVICH, M. A. (Physics).
LINNIK, V. P. (Physics).
LYSENKO, T. D. (Agro-Biology).
MAISKY, I. M. (History).
MALTSEV, A. I. (Mathematics).

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MEDVIEDYEV, S. S. (Chemistry).
MELNIKOV, N. V. (Mining).
MESHCHANINOV, I. I. (Linguistics).
MIKHEYEV, M. A. (Thermotechnics).
MIKULIN, A. A. (Engine-Designing).
MILLIONSHCHIKOV, M. D. (Mechanics).
MINTZ, A. L. (Radiotechnics).
MINTZ, I. I. (History).
MITIN, M. B. (Philosophy).
MUSKHELISHVILI, N. I. (Engineering).
NALIVKIN, D. V. (Geology).
NECHKINA, M. V. (History).
NEMCHINOV, V. S. (Economic Statistics).
NESMEYANOV, A. N. (Organic Chemistry).
NOVIKOV, P. S. (Mathematics).
OBNORSKY, S. P. (Linguistics).
OBREIMOV, I. V. (Optics).
OPARIN, A. I. (Biochemistry).
ORLOV, Y. A. (Palæontology).
OSTROVITYANOV, K. V. (Economics).
PALLADIN, A. V. (Biochemistry).
PATON, B. E. (Metallurgy).
PAVLOVSKY, E. N. (Zoology).
PETROV, B. N. (Automation).
PETROV, G. I. (Mechanics).
PETROVSKY, I. G. (Mathematics).
PONOMARIEV, B. N. (History).
PONTRYAGIN, L. S. (Mathematics).
POSPELOV, P. N. (History).
RABOTNOV, Y. N. (Mechanics).
REBINDER, P. A. (Physical Chemistry).
RIBAKOV, B. A. (History).
RYLSKY, M. F. (Literature).
SAKHAROV, A. D. (Physics and Mathematics).
SATPAYEV, K. I. (Geology).
SCHMALHAUSEN, I. I. (Morphology).
SEDOV, L. I. (Hydro-Dynamics).
SEMENOV, N. N. (Chemical Physics).
SHAPOSHNIKOV, V. N. (Micro-Biology).
SHCHERBAKOV, D. I. (Geology).
SHCHUKIN, A. N. (Radiotechnics).
SHEMIAKIN, M. M. (Chemistry).
SHEVYAKOV, L. D. (Mining).
SHIMANSKY, Y. A. (Shipbuilding).
SHMALGAUSEN, I. I. (Morphology).
SHOLOKHOV, M. A. (Literature).
SHUBNIKOV, A. V. (Crystallography).
SHULEYKIN, V. V. (Hydro-Dynamics).
SISAKYAN, N. M. (Biochemistry).
SKAZKIN, S. D. (History).
SKOBELTSYN, D. V. (Nuclear Physics).
SKRYABIN, K. I. (Helminthology).
SMIRNOV, V. I. (Geology).
SMIRNOV, V. I. (Mathematics).
SOBOLEV, S. L. (Mathematics).
SOBOLEV, V. S. (Geology).
SPITSYN, V. I. (Chemistry).
STECHKIN, B. S. (Thermotechnics).
STERN, LINA (Physiology).
STRAKHOV, N. M. (Geology).
STRUMILIN, S. G. (Economics).
STRUVE, V. V. (History of Middle East).
SUKACHEV, V. N. (Botany).
TAMM, I. E. (Physics).
TANANAYEV, I. V. (Chemistry).
TERENIN, A. N. (Chemical Physics).
TIKHOMIROV, M. N. (Medieval History).
TRAPESNIKOV, V. A. (Automation).
TROFIMUK, A. A. (Geology).
TSITSIN, N. V. (Hybridisation).
TUPOLEV, A. N. (Aircraft Designing).
VARGA, E. S. (Economics).
VEKSHINSKY, S. A. (Radiotechnics).
VEKSLER, V. I. (Physics).
VEKUA, I. N. (Mathematics).
VINOGRADOV, A. P. (Analytical Chemistry).
VINOGRADOV, I. M. (Mathematics).
VINOGRADOV, V. V. (Linguistics).
VOLFKOVICH, S. I. (Chemical Technology).
VOLSKY, A. N. (Metallurgy).
VVEDENSKY, B. A. (Radio-Physics).
YANSHIN, A. L. (Geology).
YUDIN, P. F. (Philosophy).
ZELDOVICH, Y. B. (Physics).
ZHAVORONKOV, N. M. (Inorganic Chemistry).
ZHUKOV, E. M. (History)

CORRESPONDING MEMBERS:

ABDULAEV, H. M. (Geology).
ADRIANOVA-PERETS, V. P. (Literature).
AFANASYEV, G. D. (Geology and Geography).
AGEYEV, N. V. (Chemiocal Technology).
AGOSHKOV, M. I. (Mining).
AKHVLEDIANI, G. S. (Linguistics).
ALEXEEVSKY, N. E. (Physics).
ALEKIN, O. A. (Hydrochemistry).
ALEXANDROV, A. D. (Mathematics).
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Teoria Veroyatnosti i yeyo Primenenia (*Theory of Probabilities and its Applications*).

Vestnik Drevnei Istorii (*Bulletin of Ancient History*): quarterly.

Vestnik Novoi i Noveishei Istorii (*Bulletin of Modern and Recent History*): 6 times yearly.

Azia i Arika (*Asia and Africa*): monthly.

Voprosy Ikhtiologii (*Questions of Ichthyology*): 4 times yearly.

Geomagnetizm i Aironomy (*Geomagnetism and Aironomics*): 6 times yearly.

Zhurnal Vychislityelnoi Matematiki i Matematicheskoi Fiziki (*Journal of Calculating Mathematics and Mathematical Physics*): 6 times yearly.

Izvestia Akademii Nauk S.S.S.R. (*Bulletin of the Academy of Sciences of the U.S.S.R.*): Department of Technical Sciences.

Mekhanika i Mashinostroeniye (*Mechanics and Machine Building*): 6 times yearly.

Inzhenerny Zhurnal (*Engineering Journal*): 4 times yearly.

Energetika i Avtomatika (*Energetics and Automation*): 6 times yearly.

Neftekhimia (*Oil Chemistry*): 6 times yearly.

Okeanologia (*Oceanology*): 6 times yearly.

Radiobiologia (*Radiobiology*): 6 times yearly.

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ACADEMIES OF SCIENCES OF THE UNION REPUBLICS

Academy of Sciences of the Armenian S.S.R.: Erevan; f. 1943; 37 mems., 32 corr. mems.; Pres. V. A. AMBARTSUMYAN.

Department of Physical and Mathematical Sciences: comprising Institutes of Physics, Mechanics and Mathematics, Radiophysics and Electronics, the Byurakan Astro-physical Observatory, Computing Centre, and the Tool-making Laboratory.

Department of Biological Sciences: comprising the Institutes of Botany, Zoology, Physiology, Fine Organic Chemistry, the Microbiology, Radiobiology and Biochemistry Section, the Botanical Gardens and the Lake Sevan Hydro-biological Station.

Department of Medical Sciences: comprising the Institutes of Roentgenology and Oncology, Physiology, Cardiology, and the Radiobiology Section.

Department of Technical Sciences: comprising the Institutes of Organic Chemistry, Geological Sciences, Energetics and Hydraulics, Electronics.

Department of Social Sciences: comprising the Institutes of History, Literature, Language, Economics, Arts, Archæology and Ethnography, the Sections of Oriental Studies, Philosophy and Law, the History Museum and the Museum of Literature and Art.

Academy of Sciences of the Azerbaijanian S.S.R.: Baku; f. 1945; 37 mems., 30 corr. mems.; Pres. Z. I. KHALILOV.

Department of Social Sciences: comprising the Nizami Institute of Literature and Language, the Philosophy Section, the Research Institute of Oriental Studies; the Institute of Architecture and Art, the Institute of Economics, the Museum of the History of Azerbaijan and the Nizami Museum.

Department of Geological and Geographical Sciences: comprising the I. M. Gubkin Institute of Geology, the Institute of Geography, and the Institute of the Exploitation of Oil and Gas Deposits.

Department of Biological and Agricultural Sciences: comprising the V. L. Komarov Institute of Botany and Botanical Gardens, the Institute of Zoology and the Institute of Agrochemistry and Soil Science, Sections of Genetics and Selection and of Physiology.

Department of Chemical Sciences: comprising the Institute of Petro-Chemical Processes and the Institute of Chemistry.

Department of Physical and Technical Sciences: comprising the Institute of Physics, the Institute of Mathematics and Mechanics, the Computer Centre and the Astrophysical Observatory.

Academy of Sciences of the Byelorussian S.S.R.: Minsk; f. 1928; 52 mems., 37 corr. mems.; Pres. V. F. KUPREVICH.

Department of Social Sciences: comprising the Institute of Philosophy, the Institute of History, the Institute of Economics, the Institute of Literature named after Kupala, the Institute of Art, Ethnography and People's Literature, the Yanka Kupala Museum of Literature and the Yakub Kolas Museum of Literature.

Department of Biological and Medical Sciences: comprising the Institutes of Biology and Physiology, the Central Botanical Garden, the Sections of Zoology, Physiology of Plants, Herontology, the Laboratory of Isotopes.

Department of Physico-Mathematical, Chemical and Geological Sciences: comprising the Institutes of Physics of Solid Bodies and Semi-Conductors, Geological Sciences, Physics, Mathematics and Computers, Physical-Organic Chemistry, and General and Inorganic Chemistry.

Department of Technical Sciences: comprising the Institutes of Energy, Peat, Construction and Architecture, Machine Engineering, the Physico-technical Institute.

Academy of Sciences of the Estonian S.S.R.: Tallinn; f. 1946; 21 mems., 24 corr. mems.; Pres. I. G. EICHFELD.

Department of Social Sciences: comprising the Institute of History, the Institute of Language and Literature, the Institute of Economics, the Estonian Folk Museum (f. 1909), the Ethnography Museum, the Kreizwald Museum of Literature and the Historical Museum, together with the Geographical Society and the Estonian Language Society (f. 1920).

Department of Biological and Medical Sciences: comprising the Naturalists' Society (f. 1853), the Institute of Zoology and Botany, the Institute of Experimental and Clinical Medicine, the Institute of Experimental Biology, the Nature Preservation Commission.

Department of Physics, Mathematics and Technical Sciences: comprising the Institute of Geology, the Institute of Chemistry, the Institute of Building and of Building Materials, Physics and Astronomy, the Institute of Cybernetics and the Tartu Astronomical and Geophysical Observatory (f. 1809).

Academy of Sciences of the Georgian S.S.R.: Tbilisi; f. 1941; 60 mems., 24 corr. mems.; Pres. N. MUSKHELISHVILI.

Department of Social Sciences: comprising the Institute of Language, the Rustaveli Institute of the History of Georgian Literature, the I. Dzhavakhishvili Institute of History, the Institute of the History of Georgian Art, the Institute of Philosophy, the D. N. Uznadze Institute of Psychology, the Institute of Economics, the Institute of Manuscripts, the Institute of Oriental Studies, the Abkhazian Institute of Language, Literature and History, the South Ossetian Scientific Research Institute, the Institute of Manuscripts, the Batumi Scientific Research Institute.

Department of Biological Sciences: comprising the Institute of Physiology, the Institute of Zoology, the Institute of Botanics, the Forestry Institute, the Institute of Paleobiology, and the Tbilisi, Batumi and Sukhumi Botanical Gardens.

Department of Medical Sciences: comprising the A. Natishvili Institute of Experimental Morphology, the Institute of Experimental and Clinical Surgery and Haematology, the M. Tsinamdzgvrishvili Institute of Experimental and Clinical Cardiology, the Institute of Clinical and Experimental Neurology, the Institute of Urology, the Institute of Pharmacochemistry.

Department of Technical Sciences: comprising the Institute of Metallurgy, the Institute of Structural Mechanics and Aseismicity, the A.Didebulidze Institute of Power Engineering, the G.Tsulukidze Institute of Mining, the Institute of Applied Chemistry and Electrochemistry, the Institute of Electronics, Automatics and Telemechanics, the Institute of Machinery.

Department of Mathematical and Natural Sciences: comprising the A.Razmadze Institute of Mathematics, the Computation Centre, the Institute of Physics, the Institute of Cybernetics, the Abastumani Astrophysical Observatory, the P. Melikishvili Institute of

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Chemistry, the Institute of Geophysics, the Institute of Geology, the Vakhushti Institute of Geography.

Department of Technical Sciences: comprising the Institute of Metals and Mining, the Institute of Power Engineering, the Institute of Building, the Institute of Telemechanics and Automation, the Institute of Chemistry and Electrochemistry, the Institute of Cybernetics.

Academy of Sciences of the Kazakh S.S.R.: Alma-Ata; f. 1945; 39 mems., 34 corr. mems.; Pres. K. SATPAYEV.

Department of Mineral Resources (Geological and Geographical, Technical and Chemical Sciences) comprising the Institutes of Geological Sciences, Mining, Metallurgy and Concentration, the Karaganda Chemistry and Metallurgical Institute, Power, Chemical Sciences, Oil, the Altai Mining and Metallurgical Institute, the Geography Section.

Department of Physical and Mathematical Sciences: comprising the Institutes of Astrophysics, Institute of Nuclear Physics, the High Altitude Astronomical Observatory, the Astrobotanical Section, the Mathematics and Mechanics Section, and the Laboratory of Mechanised and Computer Mathematics.

Department of Biological and Medical Sciences: comprising the Institutes of Botany, Zoology, Soil Science, Physiology, Microbiology and Virusology, Clinical and Experimental Surgery (including the Experimental Cancer Laboratory).

Department of Social Sciences: comprising the Institutes of History, Archæology and Ethnography, Economics, Language and Literature, Philosophy and Law, and the Art and Oriental Studies Sections.

Academy of Sciences of the Kirghiz S.S.R.: Frunze; f. 1954; 19 mems., 19 corr. mems.; Pres. K. KARAKEEV.

Department of Biological Sciences: Institute of Botany, Institute of Zoology and Parasitology, Institute of Regional Medicine; Soil Sciences Section.

Department of Natural and Technical Sciences: Institutes of Chemistry, Geology, Physics, Mathematics, Mechanics, Automation, Organic Chemistry, Mining and Metallurgy, Geographical, Building Material and Seismological Sections.

Department of Social Sciences: Institutes of Languages and Literature, History and Economics Section.

Academy of Sciences of the Latvian S.S.R.: Riga; f. 1946; Pres. K. K. PLAUDE.

Department of Social Sciences: comprising the Institutes of History, Economics, Language and Literature.

Department of Chemical and Biological Sciences: comprising the Institutes of Chemistry, Organic Synthesis, Wood Chemistry, Geology, Biology, Microbiology and Botanical Garden.

Department of Physical and Technical Sciences: comprising the Institutes of Physics, Power Engineering, Electronics and Computing Technique, Automation and Mechanics, Laboratory of Astrophysics.

Academy of Sciences of the Lithuanian S.S.R.: Vilnius; f. 1941; 18 mems., 16 corr. mems.; Pres. J. J. MATULIS.

Department of Physical, Chemical and Technical Sciences: comprising the Institute of Chemistry and Chemical Technology, the Institute of Geology and Geography, the Institute of Physics and Mathematics, the Institute of Power and Electrical Engineering, the Institute of Architecture and Building.

Department of Natural Sciences: comprising the Institutes of Botany, Zoology and Parasitology, Experimental Medicine, the Botanical Gardens and the Zoological Museum.

Department of Social Sciences: comprising the Institute of the Lithuanian Language and Literature, the Institute of History, and the Institute of Economics.

Academy of Sciences of the Tajik S.S.R.: Dushanbe; f. 1951; Pres. S. V. UMAROV.

Department of Social Sciences: comprising the Institutes of Language and Literature, History, Archaeology and Ethnography and the Sections of Philosophy and Economics.

Department of Geology, Chemistry and Technical Sciences: comprising Institutes of Astrophysics, Seismology, Geology, Chemistry; Sections of Physics, Mathematics and Energetics.

Department of Biological Sciences: comprising Institutes of Botany, Zoology, Parasitology, Regional Medicine, Section of Physiology and Plant Biophysics, the Pamir Base of the Academy of Sciences.

Academy of Sciences of the Turkmenian S.S.R.: Ashkhabad; f. 1951; 17 mems., 20 corr. mems.; Pres. S. B. BATYROV.

Department of Biology: comprising the Institute of Botany, the Botanical Gardens, the Institute of Zoology and Parasitology, Regional Studies Museum.

Department of Geology, Physics and Chemical Sciences: comprising Institutes of Geology, Anti-Seismological Constructional Engineering, Phvsics and Geophysics, Chemistry.

Department of Social Sciences: comprising Institutes of Language, Literature and History, Archaeology and Ethnography, Economics, Historical Museum, Economics Section and the permanent S. Turkestan Archaeological Expedition, Museum of 26 Commissars.

Academy of Sciences of the Ukrainian S.S.R.: Kiev; f. 1919; 84 mems., 118 corr. mems.; Pres. A. V. PALLADIN.

Department of Social Sciences: comprising the Institute of Economics, the Institute of History, the Institute of Social Sciences, the Institute of Archæology, the T. G. Shevchenko Institute of Literature, the A. A. Potebni Institute of Linguistics, the Institute of the Study of Art, Folklore and Ethnography, and the Institute of Philosophy, together with the Government and Law Section; five Museums.

Department of Biological Sciences: comprising the Institute of Botany. the Institute of Zoology, the Institute of Hydro-Biology, the Institute of Biochemistry, the A. A. Bogomolets Institute of Physiology and the D. K. Zabolotny Institute of Microbiology, together with the Sebastopol and Odessa Biological Stations, the Botanical Gardens, the Lvov Natural History Museum, and several Preserves.

Department of Chemical and Geological Sciences: comprising the L. V. Pisargevsky Institute of Chemistry and the Institutes of General and Organic Chemistry, Inorganic Chemistry, Polymenic and Monomenic Chemistry, Geological Sciences, Geology of Mineral Deposits, Mineral Resources, Geophysics.

Department of Physical and Mathematical Sciences: comprising the Institute of Mathematics, Physics, Technical Physics, Metal Physics, Low Temperatures, Radiophysics and Electronics, Semiconductors, Computation, the Central Astronomical Observatory, the Computing Centre, the Gravimetrical Observatory, the Marine Hydrophysical Institute.

Department of Technical Sciences: comprising the Institute of Mechanics, the M. M. Fedorov Institute of

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Mining, the E. O. Paton Institute of Electric Welding, the Institute of Hydrology and Hydrotechnics, the Institute of Iron and Steel, the Institute of Casting Production, the Institute of Power and Heat, the Institute of Electrical Engineering, the Institute of Metallo-ceramics and Special Alloys, the Institute of Gas Utilisation, the Institute of Machine Design and Automation, the Institute of Radio technical Problems, Laboratory of Hydraulic Machinery.

Department of Agricultural Sciences: comprising the Institute of Plant Physiology, the Institute of Farm Animal Physiology and Bio-chemistry.

Academy of Sciences of the Uzbek S.S.R.: Tashkent; f. 1943; 30 mems., 43 corr. mems.; Pres. U. A. ARIFOV.

Department of Social Sciences: comprising the Institute of Economics, the Institute of Language and Literature, the Institute of History and Archæology, the Institute of Oriental Studies, the Institute of Philosophy and Law, the Institute of Art, the Institute of Economics and Culture, the Museum of History and the Museum of Literature, the Karakalpakian Complex Scientific Research Institute.

Department of Biological Sciences: the Institute of Botany, Zoology and Parasitology, the Institute of Soil Science, the Institute of Genetics and Plant Physiology, the Botanical Gardens, and the Institute of Regional Medicine.

Department of Physical and Mathematical Sciences: comprising the Institute of Mathematics, the Institute of Physical Technology, the Institute of Nuclear Physics (Tashkent), the Tashkent Astronomical Observatory.

Department of Geology, Chemistry and Technical Sciences: comprising the Institute of Power Engineering and Automation, the Institute of Building, the Institute of Chemistry, the Institute of Geology and Hydrogeology, the Institute of the Chemistry of Vegetable Substances, and the Institute of Water Problems, and Hydrotechnics, the Institute of Mechanics, Mining Section.

Many of the research institutes of the Academies of Sciences of the Union Republics publish bulletins, transactions, etc.

Academy of Sciences of the Moldavian S.S.R.: Kishinev; f. 1961; comprises 9 Scientific and Research Institutions with 307 scientific workers; Pres. J. S. GROSOUL.

OTHER ACADEMIES

Academy of Arts of the U.S.S.R.: Moscow; f. 1947; Pres. V. SEROV.

This Academy developed from the older Russian Academy of Arts, founded in St. Petersburg in 1757, comprises departments of painting, sculpture and graphic art; included in its structure are the Institute for Research on the Theory and History of the Fine Arts; the Surikov Art Institute, with attached secondary art school, Moscow; the I. E. Repin Institute of Painting, Sculpture and Architecture, with attached secondary art school; the Research Museum, laboratories, mozaic and bronze-casting studios; the Scientific Library (110,000 volumes), Scientific Archives in Leningrad and a publishing house.

Academy of Building and Architecture of the Ukrainian S.S.R.: Kiev; f. 1956; Pres. P. F. BAKUMA.

Comprises the following research institutes: Town Planning; Architecture of Structures; Building Materials and Elements; Building Design; Organisation, Mechanisation and Economics of Building; Theory and History of Architecture and Building Technique; the Southern Institute for Industrial Building, Kharkov; the Donets Institute for Surface Mining Structures and Housing Construction, Donetsk; a section on folk art and the history of Ukrainian art; the "Orgstroi" Institute, Kharkov; the "Sofii Museum" architectural and historical national monument; a scientific library.

Academy of Medical Sciences of the U.S.S.R.: Moscow; f. 1944. This Academy is controlled by the Ministry of Health. Pres. N. N. BLOKHIN.

Department of Medical and Biological Sciences: comprisung the Institute of Experimental Biology; the Institute of Normal and Pathological Physiology; the Institute of Biological and Medical Chemistry; the Brian Institute; the Institute of Pharmacology and Chemical Therapy; the Laboratory of Experimental Physiology on Revivication of Organisms; the Sukhumi Institute of Experimental Pathology and Therapeutics; the Institute of Experimental Medicine; the Institute of Sanitation and Chemistry; the Institute of Herontology and Experimental Pathology.

Department of Hygiene, Microbiology and Epidemiology: comprising the N. F. Gamaleya Institute of Epidemiology and Microbiology; the Institute of Virology; the Institute of General and Municipal Hygiene; the Institute of Work Hygiene and Occupational Diseases; the Institite of Nutrition; the Institute for Research on New Antibiotics; the Institute for Study of Poliomyelitis, and the Institute of Hygiene of Children and Adolescents.

Department of Clinical Medicine: comprising the Institute of Surgery; the N. N. Burdenko Institute of Neuro-surgery; the Institute of Obstetrics and Gynaecology; the Institute of Tubercular Diseases; the Institute of Pediatrics; the Institute of Neurology; the Institute of Oncology; the Institure of Chest Surgery; the Institute of Infectious Diseases; the Institute of Experimental and Clinical Oncology; the Institute of Psychiatry.

Academy of Pedagogical Sciences of the R.S.F.S.R.: Moscow; f. 1943

This Academy is controlled by the Ministry of Education of the R.S.F.S.R. It comprises the following research institutes: the Institute of Theory and History of Teaching; the Institute of Psychology; the Institute of Defectology; the Institute of Physical Education and School Hygiene; Institute of General and Polytechnical Education; Institute of Industrial Training; the Institute of Art Education; the Institute of Adult Education, Leningrad. Also under the direction of the Academy are the K. D. Ushinsky State Library of Education, Moscow (1,000,000 volumes); the Museum of Public Education, Leningrad; the Toy Museum at Zagorsk, Moscow; and the Educational Research Archives.

Academy of Social Sciences: Moscow; f. 1946.

The Academy is organised by the Central Committee of the Communist Party. Subjects: Political Economy, History of Soviet Society; History of International Communist and Workers' Movement; History of the Communist Party; Theory and History of Literature and Art.

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K. D. Pamfilov Academy of Municipal Economy: Moscow; f. 1931; Dir. S. S. TIKHOMIROV.

Sections specialising in water supply, public transport, electricity, roads, heating, etc. Research Institute in Leningrad, Rostov-on-Don, Sverdlovsk. Experimental factory in Moscow.

Timiryazev Academy of Agriculture: Moscow; f. 1865.

Studies are arranged under 10 faculties.

V. I. Lenin All-Union Academy of Agricultural Sciences (Vaskhnil): Moscow; f. 1929; Acting Pres. D. D. BREZHNEV.

The Academy was reorganised in 1956 and now consists of 75 full members and 85 corresponding members. It has 151 scientific institutions, divided into six departments: Agriculture, Animal Husbandry, Mechanisation and Electrification of Agriculture, Hydrotechnics and Melioration; Forestry and Forestry Melioration; Economics and Organisation of Agricultural Production.

OTHER LEARNED SOCIETIES

The Moscow Society of Naturalists: f. 1805; sections for zoology, botany, geology, hydro-biochemistry, geography, biophysics, palaeontology, histology and experimental morphology.

The Moscow Mathematical Society.

The Moscow Society of Pathophysiologists.

The N. I. Pirogov Society of Surgeons.

The All-Union Society of Neuropathologists and Psychiatrists.

The All-Union Hydrobiological Society.

The All-Union Botanical Society.

The All-Union Mendeleyev Chemical Society.

The All-Union Council of Scientific and Engineering Socieites: uniting 22 scientific and engineering societies connected different industries.

Also in this category are:

The Union of Soviet Writers.

The Union of Soviet Artists.

The Union of Soviet Composers.

The Union of Soviet Sculptors etc.

Two important bodies which, though not learned or professional societies in the strict sense, include some of the outstanding scholars and scientists of the U.S.S.R., are the following adult education organisations:

The All-Union Society for the Dissemination of Political and Scientific Knowledge.

The Union of Societies for Cultural Relations with Foreign Countries.

LIBRARIES AND ARCHIVES

There are nearly 400,000 public libraries in the U.S.S.R. Each of the Union Republics and each of the Autonomous Republics has at least one large public library in its biggest centre of population. All "Palaces of Culture", both those for children and those for adults, have large libraries; the Leningrad Kirov Palace of Culture has some 250,000 vols. Most factories have their own libraries, and there are libraries in the trade union and collective-farm clubs. Remote areas are served by travelling libraries.

Most departments of the Academy of Sciences of the U.S.S.R. have large libraries of their own, as have the Academies of Sciences of the Union Republics and the Universities.

The largest libraries in the U.S.S.R. are the public libraries of Moscow and Leningrad and the Central Library of the Academy of Sciences of the U.S.S.R. The Central Library of the Ministry of Health, containing over 500,000 vols., is the largest medical library in the country. The State Scientific Library of the Ministry of Culture and the Library of the All-Union Society for Disseminating Political and Scientific Knowledge are the largest technical libraries.

LENINGRAD

A. V. Lunacharsky State Theatrical Library: Ul. Zodchego Rossi 2; f. 1756 in the Alexandriisky Theatre, moved to present building in 1889; departments containing 780,000 vols. of plays and works on theatrical subjects, department of French works with first editions of Corneille, Racine and Molière; department of MSS. and Letters by Chekhov, Ostrovsky, Turgenev, Nekrasov; department of Stage Designs by Bakst, Benoit, etc.; department of classical and contemporary fiction based on library presented in 1921 by N. N. Khodotov; Dir. S. A. MORSHCHIKHIN.

Central Music Library: Ulitsa Zodchego Rossi 2; contains one of the largest collections in the world of Russian music in MSS., single copies, first editions, etc., 1,500 copies of Russian vaudeville scores, 200 MSS. of ballet scores, and a large collection of opera scores including 1,000 foreign opera; Dir. S. O. BROG.

Central Scientific Library attached to the State Research Institute of Theatre and Music Cinematography: Isakievskaya Pl. 5; f. 1912; books on Byzantine and early Russian art, architecture, industrial arts, and especially 18th-century art, philosophy, and aesthetics, cinematography, etc.; music section contains nearly all Russian musical literature from Glinka to the present day; Dir. N. I. KATSENELENBOGEN.

Library of the Academy of Sciences of the U.S.S.R.: Birzhevaya linia 1, Leningrad, V.O.; f. 1714; 6,000,000 vols.; valuable collection of MSS., incunabula, and early works on natural sciences and mathematics.

Library of the Leningrad House of the Arts: Nevsky pr. 86, Leningrad.

Library of the State Hermitage Museum: Dvortsovaya nab. 34; f. about 1770; over 260,000 vols. on all branches of graphic arts during the centuries; Dir. O. E. VALTSENBURG.

Library of the U.S.S.R. Academy of Arts: Universitetskaya nab. 17, Leningrad, V.O.; f. about 1750; 200,000 vols. on art, architecture, applied and folk arts, etc.; a half of which are in foreign languages and including rare 16th- and 17th-century volumes and notable collection of 18th-century works on architecture; Dir. Z. Z. RAKOV.

Music Library of the Leningrad Conservatoirs: Teatralnaya Ploshchad 3; f. 1862; 63,000 vols., including Russian and foreign works on music and the arts, 125,000 scores including 17th-20th century music by Russian and foreign composers; Dir. E. E. SHVEDE.

Music Library of the Leningrad State Philharmonic Society: Ul. Brodskogo 7; over 70,000 scores, 10,000

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engravings, lithographs and paintings of musicians, composers, etc, over 30,000 newspaper cuttings; Dir. O. O. GEININA.

Scientific Library of the State Russian Museum: Ploshchad Iskusstv; 26,000 vols. and journals in many languages on the arts, history, politics, etc.; Dir. V. V. ALEXEYEV.

State M. E. Saltykov-Shchedrin Public Library: over 12,000,000 vols., including a large collection of incunabula and MSS.: Dir. I. I. YAKOVKIN.

Moscow

A. M. Gorky Archives: Ulitsa Vorovskogo 25A.

A. M. Gorky Scientific Library of Moscow State University: Prospekt Marksa 20; f. 1756; over 6,000,000 vols., including periodicals; Dir. A. I. MIKHAILOV.

Archives of the Academy of Sciences of the U.S.S.R.: Leninsky prospekt 4.

Central Scientific Agricultural Library: Orlikov pereulok 1-11; f. 1929; 1,500,000 vols.

Central Medical Library: Pl. Vosstania 1/2; f. 1920; about 1,000,000 vols., including periodicals; Dir. V. M. SOSULNIKOV.

Central State Theatre Library: f. 1922; Pushkinskaya 1/8; 75,000 vols. on theatrical subjects, 1,500 theatrical magazines, 3,500 illustrations and prints, 150,000 filed cuttings, rare editions of Russian plays of the 18th and 19th centuries.

K. D. Ushinsky State Education Library: B. Tolmachevsky per. 3; f. 1925; 1,000,000 vols., including periodicals.,

Fundamental Library of the Social Sciences Section of the U.S.S.R. Academy of Sciences: Ulitsa Frunze 11; f. 1918; 6,000,000 vols., including periodicals; sections on philosophy, history, economics, world economics, and world politics, linguistics, archaeology, history of arts, philology; Dir. V. I. SHUNKOV.

Lenin State Library: Ul. Kalinina 3, and Ulitsa Marksa i Engelsa 14; f. 1862 as the Rumyantsev Library, renamed and reorganised as the Lenin State Library of the U.S.S.R. in 1925; 22,000,000 books, magazines and complete files of newspapers in all the languages of the Soviet Union and 173 foreign languages, and 2,500,000 MSS.; Department of Rare Books includes incunabula, Aldines, palaeotypes, Elzevirs, specimens of earliest Slavonic printing, rare editions of Russian secular works, etc.; acts as enquiry, loan, and reference centre throughout the U.S.S.R.; Dir. J. P. KONDAKOV; Librarian T. L. POSTREMOVA.

Library of the Central House of the Soviet Army: Ploshchad Kommuny 2; 3,000,000 vols.; acts as centre of advice, research, etc, for all units of the Soviet Army at all times.

All-Union State Library of Foreign Literature: Ul. Razina 12; 2,000,000 vols. in 95 foreign languages, depository for 4,000,000 vols.

State Public Historical Library: Ul. B. Khmelnitskogo, Starosadsky per. 9; f. 1938; nearly 3,000,000 vols., including 30,000 in Department of Rare Historical Books; Dir. A. J. MALAKHOV.

State Public Polytechnical Library: Politekhnichesky proyeze 2; f. 1864; 2,500,000 vols., including periodicals.

State Scientific Library of the U.S.S.R.: Ministry of Higher Education; f. 1918; over 3,500,000 vols.

UNION REPUBLICS

A. F. Myasnikyan State Public Library: Ul. Teryana 72; f. 1921; Erevan, Armenian S.S.R.; about 4,500,000 vols., including periodicals.

A. S. Pushkin State Public Library: Prospect Lenina 11; f. 1931; Alma-Ata, Kazakh S.S.R.; over 1,300,000 vols., including periodicals.

Alisher Navoi State Public Library: Ul. Lenina 11; f. 1931; Tashkent, Uzbek S.S.R.; over 1,500,000 vols. including periodicals.

Byelorussian Lenin State Library: Krasnoarmeiskaya Ul. 9; f. 1921; Minsk, Byelorussian S.S.R.; over 2,500,000 vols., restored since 1945.

Estonian Public Library: Ramatukogu Plats; f. 1940; Tallinn, Estonian S.S.R.; over 800,000 vols., including periodicals.

Firdausii State Public Library: Dushanbe, Tadjik S.S.R.; over 700,000 vols., including periodicals.

K. Marx State Public Library: Tbilisi, Georgian S.S.R.; over 7,000,000 vols., including periodicals.

Korolenko Scientific Library: Ul. Korolenko 18, Kharkov, Ukrainian S.S.R.; f. 1886; about 3,000,000 vols., including periodicals.

Latvian State Public Library: Riga, Latvian S.S.R.; about 4,000,000 vols., including periodicals.

Library of the Ukranian Academy of Sciences: Kiev, Ukrainian S.S.R.; over 5,000,000 vols., including periodicals.

Lithuanian State Public Library: Vilnius, Lithuanian S.S.R.; about 1,800,000 vols., including periodicals.

M. F. Akhundov State Public Library: Baku, Azerbaijan S.S.R.; about 2,000,000 vols., including periodicals.

N. G. Chernyshevsky State Public Library: Frunze, Kirghiz S.S.R.; over 2,000,000 vols., including periodicals.

N. K. Krupskaya State Public Library: Kishinev, Moldavian S.S.R.; over 30,0000 vols., including periodicals.

Turkmeniana State Public Library: Ashkhabad, Turkmenian S.S.R.; about 1,000,000 vols., including periodicals.

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MUSEUMS AND ART GALLERIES

ART AND ARCHITECTURE

Leningrad

Leningrad Municipal Museum: Nab. Krasny Flot 44; f. 1907; contains largest collection of material on the history and practice of city building in the Soviet Union; rare book of 500 drawings of the building of St. Petersburg up to 1836.

Research Museum of the Academy of Art of the U.S.S.R.: Universitetskaya nab. 17; f. 18th century; contains unique collection of architectural models, including those of the Kremlin, the St. Isaac's Cathedral, etc.

State Hermitage Museum: M. Dvortsovaya Naberezhnaya 34; f. 1764 as a court museum; opened to public 1852; richest collection in Soviet Union of the art of prehistoric, ancient Eastern, Graeco-Roman and medieval times; preserves over 2,000,000 objects d'art, including 40,000 drawings, 500,000 engravings; works by Leonardo de Vinci, Raphael, Titian, Rubens and Rembrandt; Dir. M. I. Artamonov.

State Russian Museum: Inzhenernaya 4; opened as an Art Museum in 1898; most important collection of Russian Art after the Tretyakov Gallery in Moscow; largest Soviet collection of Russian sculpture, drawings and art of the 18th and early 19th centuries; Dir. V. A. Pushkarev.

Moscow

Architectural Museum of the Academy of Building and Architecture: Donskaya pl. 1; f. 1934; objects: study, collection, care and popularisation of historical architecture, outstanding contemporary work, monumental sculpture and painting; collection and care of documents on architecture and town planning; over 66,000 sheets of architectural drawings, over 253,000 negatives and 400,000 photographs of architectural monuments throughout the world; Dir. I. A. Kazakova.

Folk-Art Museum: Ul. Stanislavskogo 7; f. 1885; three sections devoted to (*a*) handicrafts connected with peasant daily life; (*b*) applied arts both ancient and contemporary; (*c*) experimental decorative applied art; nearly 25,000 exhibits; under the jurisdiction of the R.S.F.S.R. Council of Industrial Co-operative Societies; Dir. N. N. Ivanova.

State Museum of Oriental Folk Art: Ul. Obukha 16; f. 1918; large collection of Middle and Far-Eastern art, art of the Soviet Central Asian Republics and Zakavkazie, carpets, textiles, ceramics, etc.; Dir. P. N. Ryabynkin.

State Pushkin Museum of Fine Arts: Volkhonka 12; f. 1912; name changed to State Pushkin Museum 1937; second largest collection of ancient Eastern, Graeco-Roman and medieval art and Western European paintings; Dir. J. A. Antonova.

State Tretyakov Gallery: Laorushinsky per. 10; f. 1856; contains richest collection in the world of Russian icons and of the works of Russian and Soviet painters, sculptors and graphic artists; Dir. P. I. Lebedev.

State Capitals

Armenian State Picture Gallery: Ul. Sqandaryana 1, Erevan, Armenian S.S.R.; Dir. A. Chilingarian.

Azerbaijan R. Mustafaev State Art Museum: Ul. Chkalova 9, Baku, Azerbaijan S.S.R.

Byelorussian State Art Museum: Pl. Lenina 40, Minsk, Byelorussian S.S.R.

Georgian State Picture Gallery: Pr. Rustaveli 11, Tbilisi, Georgian S.S.R.; Dir. C. J. Armizanchvili.

Georgian State Art Museum: Ul. Ketskhoveli 1, Tbilisi, Georgian S.S.R.

Kazakh T. G. Shevchenko State Art Gallery: Sovietskaya 22, Alma-Ata, Kazakh S.S.R.; Dir. Mrs. Plakhotnaya.

Kiev State Museum of Ukrainian Art: Ul. Kirova 6, Kiev, Ukrainian S.S.R.

Kiev State Museum of Russian Art: Ul. Repina, Kiev, Ukrainian S.S.R.; Dir. O. M. Malachenko.

Kiev State Museum of Western and Eastern Art: Ul. Rjepina 15, Kiev, Ukranian S.S.R.

Kirghiz State Museum of Fine Art: Ul. Lenina 56, Frunze, Kirgiz S.S.R.; Dir. M. Kandel.

Moldavian State Art Museum: Pr. Lenina 115, Kishinev, Moldavian S.S.R.; Dir. M. Joumatii.

Latvian State Museum of Fine Arts: Pionieru lauk. 3, Riga, Latvian S.S.R.

State Museum of Latvian and Russian Art: Gorkogo Ul. 10, Riga, Latvian S.S.R.

Tallin State Art Museum: Kadriorg Palace, Ul. Weizenbergi 37, Tallin, Estonian S.S.R.

Turkmenian State Museum of Fine Art: Pr. Stalina 126, Ashkhabad, Turkmenian S.S.R.

Uzbek State Museum of Art: Gogolya Ul. 101, Tashkent, Uzbek S.S.R.; Dir. S. F. Abdullayev.

Other Cities

Crimean State Museum of Fine Art: Alupka, Krymskoi obl.

Dnepropetrovsk State Art Museum: Ul. Shevchenko 21, Dnepropetrovsk, Ukrainian S.S.R.

Gorky State Art Museum: Nab. im. Zhdanova 3, Gorky.

Kolomysky State Museum of Folk Art: Iwano-Frankiwska obl., Theaterstrasse 25, Kolomyja, Ukranian S.S.R.

Lvov State Museum of Ukrainian Art: Ul. Dragomanova 42, Lvov, Ukrainian S.S.R.

Lvov State Picture Gallery: Ul. Stefanika 3, Lvov, Ukrainian S.S.R.

Odessa State Museum of Western and Eastern Art: Ul. Pushkinskaya 9, Odessa, Ukrainian S.S.R.

Odessa State Picture Gallery: Ul. Korolenko 5, Odessa, Ukrainian S.S.R.

State Museum of Palekh Art: Ul. Bakanova 25, selo Palekh, Ivanovsk.

Pavlovsk Park and Museum: Pavlovsk, Leningrad obl.; decorations of Russian palaces of the end of the 18th and early 19th centuries.

Perm State Art Gallery: Komsomolsky prospekt 2, Perm.

Saratov A. N. Radishchev State Art Museum: Pl. Radishcheva 39, Saratov.

Sumy State Art Museum: Ul. Stalina 15, Sumy, Ukrainian S.S.R.

State Ceramic Museum and 18th Century Kuksovo Country House: Kuksovo, Moscow obl.

HISTORY

Leningrad

State Museum of the History of Leningrad: Nab. Krasnogo Flota 44; f. 1918; large collection of material on the history and architecture of Leningrad.

Historical Artillery Museum: Petropavlosk Fortress.

Museum of the History of Religion: Kazanskaya ploshchad 2; f. 1932; Chair. N. P. Krasnikov.

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Moscow

Central Lenin Museum: Pl. Revolyutsii 2; f. 1936; contains documents, photographs, works of art, and other exhibits relating to Lenin's life and work; Dir. N. D. KAZMIN.

Central Museum of the Soviet Army: Pl. Kommuny, 2; covers all aspects of the Soviet Army's history from its foundation to the present day.

(NOTE.—There are other military historical museums in Moscow, the others being the Central Frunze Aviation and Astronautics Museum and Kutuzov House Museum.)

Marx-Engels Museum: Ul. Marksa-Engelsa; f. 1963; 2,000 exhibits descriptive of the lives of Marx and Engels.

Museum of the History and Reconstruction of the City of Moscow: Novaya ploshchad 12; f. 1896 as a museum of Moscow economy based on an exhibition held that year; over 30,000 exhibits—graphic arts, works, plans, MSS., etc.; library of 43,000 books and periodicals; Dir. L. A. JASTRZEMBSKIJ.

Museum of the Revolution: Ul. Gorkogo 21; f. 1923, being developed from "Red Moscow" Exhibition; the "Underground Printing Press of the Central Committee of the Russian Social Democratic Labour Party" Museum and the Krasnaya Presnya Historical Revolutionary Museum are affiliated to the Museum of the Revolution, and the exhibits cover the whole revolutionary history of the area from the 19th century onwards; Dir. Mrs. TOLSTICHINA.

State Historical Museum: 172 Red Square; f. 1873; the only central historical museum in the U.S.S.R., it covers Russian history from ancient times until the 1917 Revolution.

State Museum of Anthropology: Mokhovaya ul. 11.

The Cathedral of St. Basil, the Bell Tower of Ivan the Great and the Donskoy Monastery are preserved as museums.

LITERATURE AND EDUCATION

LENINGRAD

All-Union Pushkin Museum: Dvortsovaya naberezhnaya 34; f. 1938 in Moscow; exhibits illustrating Pushkin epoch and life of the poet.

Museum attached to the Institute of Russian Literature of the U.S.S.R. Academy of Sciences: Ul. Makarova 4, Leningrad.

Pushkin House-Museum: Naberezhnaya Moiki 12; in the flat where the poet died; under supervision of the Institute of Russian Literature of the U.S.S.R. Academy of Sciences; Dir. A. I. ZOMOZKIN.

N. A. Nekrasov House-Museum: Liteiny prospekt 36; f. 1946 in flat where poet lived; exhibits illustrating his life.

Moscow

A. P. Chekhov House-Museum: Sadovaya-Kudrinskaya 6; f. 1954; flat where the poet lived from 1886-1890; branch of the State Literature Museum.

F. Dostoevsky Museum: Ul. Dostoevskogo 2; f. 1928; affiliated to the State Literature Museum; exhibits illustrating Dostoevsky's life, organised in the flat where he lived until sixteen years old; Dir. Y. KOGAN.

Gorky Museum: 25A Vorovsky St.; created by special decree of the U.S.S.R. Government in 1937; exhibits illustrating life and work of Gorky.

L. N. Tolstoy State Museum: 11 Kropotkina Ul.; f. 1911; MSS section contains 150,000 sheets of Tolstoy's writings and nearly 800,000 MSS. and archives material on Tolstoy and his circle; the library of works by, or about, Tolstoy contains nearly 60,000 vols. in Russian, 57,000 vols. in languages of the Soviet Republics, and 37,000 vols. in foreign languages, 15,000 vols. periodicals, nearly 70,000 newspaper cuttings, and 40,000 exhibits in the form of painting, sculpture, photographs etc.; Dir. K. N. LOMUNOV.

State Library—Museum of V. V. Mayakovsky: 13/15 Mayakovsky per., 1 Taganskaya Square; f. 1936; flat where Mayakovsky lived; 10,000 exhibits of all kinds, including 2,565 sheets of MSS. in his hand; reading room with 35,000 vols.

State Literature Museum: Ul. Dimitrova 38; f. 1921 as the Chekhov Museum, in 1925 became one of the sections of the Lenin Library, in 1928 the Literature Museum of the Lenin Library, and in 1934 was amalgamated with the Central Museum of Literature to become the State Literature Museum; the Museum is a research and educational organisation which collects, cares for, studies and publishes material on the history of Russian literature. Mobile Exhibition.

State Museum of N. A. Ostrovsky: 14 Ul. Gorkogo; f. 1940 in the writer's former home.

Tolstoy Residence Museum: 21 Lev Tolstoy Ul.; rooms arranged as they were when the author lived there; 6,000 exhibits; Dir. K. N. LOMUNOV.

A. S. Pushkin Museum: f. 1957; Ul. Kropotkina 12.

NATURAL HISTORY

Moscow

Moscow State University Museum of Zoology: Ul. Gertsena 6; f. 1791.

Karpinsky Geological Museum: Leninsky prospekt 14/16.

Museum of the Palaeontological Institute: Leninsky prospekt 16; f. 1716.

Planetarium: Sadovaya-Kudrinskaya 5; built 1929.

State Darwinian Museum: Malaya Pirogovskaya Ul. 1; illustrates Darwinism and the theory of evolution; Dir. A. E. KOTS.

Timiryazev State Museum of Biology: Malaya Gruzinskaya Ul. 15; Dir. M. KRIAJINE.

THEATRE AND MUSIC

LENINGRAD

Museum of the Academic Maly Opera Theatre: Ploshchad Iskusstv. 1.

Museum of the Gorky Bolshoi Drama Theatre: Fontanka 65.

Museum of the Kirov Academic Theatre of Opera and Ballet: Teatralnaya Ploshchad.

Rimsky-Korsakov House-Museum: Tikhuin; f. 1944 in flat where composer was born; exhibits illustrating his life; the Museum runs a seven-year school of music for children.

State Circus Museum: Fontanka 5; f. 1928; over 60,000 exhibits of plans, sketches, paintings; library of Russian and foreign works; section on 18th and 19th century circus in Western Europe and on Soviet circus; Dir A. Z. LEVIN.

State Theatrical Museum: Ploshchad Ostrovskogo 6; f. 1908; over 300,000 exhibits depicting the history of Russian and Soviet theatre; Dir. A. N. KOCHETOV.

Moscow

A. N. Skryabin Museum: 11 Ul. Vakhtangova, The Arbat; opened in 1922 in flat where the composer lived and died; MSS., letters, Skryabin's personal library, etc.

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B. V. Shchukin Museum-Room: Flat 11, 8 Ulitsa Shchukina; contains material he had about him during his lifetime as a great actor at the Vakhtangov Theatre.

Central A. A. Bakhrushin State Theatrical Msueum: 12/31 Ul. Bakhrushina; f. 1894 as private theatrical collection, handed to Academy of Sciences 1913 and supervised by that body until 1918; now under supervision of the Ministry of Culture of the U.S.S.R.; objects: to collect, house, study and exhibit varied materials on history and theory of theatre; approx. 400,000 exhibits; library of 50,000 vols.; archives of original MSS. of Ostrovsky, Lensky, Stanislavsky, etc.

Chaikovsky House Museum: Klin; contains interesting documents and museum treasures associated with the life and work of Chaikovsky.

K. S. Stanislavsky Flat-Museum: affiliated to MXAT Museum (*q.v.*); f. 1940; deals with Stanislavsky's work and the theatrical career of People's Artist, M. P. Lilina.

Museum of the State Academic Maly Theatre: Maly Theatre Building, 1/6 Sverdlov Square; f. 1932, being developed out of 1927 exhibition; illustrates and studies history of the theatre.

MXAT (Moscow Arts Theatre) Museum: 3A proezd Khudozhestvenennogo teatra; f. 1922.

Obraztsov's Central State Puppet Theatre Museum: 32 Ulitsa Gorkogo; over 1,200 exhibits dealing with the history of the puppet theatre; puppet theatres of the Soviet Union; and the Central Puppet Theatre itself; Dir. A. Y. Fedotov.

Permanent Chaikovsky Exhibition, in the Chaikovsky Concert Hall: 20 Mayakovsky Square; exhibits of the composer's life and works.

State Central Museum of Musical Culture: in Chaikovsky Conservatoire, 13 Ul. Herzena; f. 1912; originally the N. Rubinstein Museum of the Moscow Conservatoire, name changed in 1943; objects: to study, examine and propagate the history of musical culture; exhibits include music scores, memoirs, letters, posters, musical instruments; archives contain over 350,000 sheets of music.

U.S.S.R. State Academic Bolshoi Theatre Museum: Bolshoi Theatre Building, Sverdlov Square; f. 1920; objects: documentation of the work of the Bolshoi Theatre, collection of materials and documents on its history and work, study of history of the theatre.

U.S.S.R. State Collection of Antique String Instruments: 20 Mayakovsky Square; f. 1919.

Vakhtangov Museum-Room: houses relics connected with life and work of Vakhtangov in his former home.

Vakhtangov Theatre Museum: history of the Vakhtangov Theatre.

V. I. Nemirovich-Danchenko Flat-Museum: No. 5 Ulitsa Nemirovich-Danchenko; affiliated to MXAT Museum; opened in the producer's flat after his death in 1943.

TECHNOLOGY

Polytechnical Museum: Moscow; f. 1872; history and latest developments in technology; belongs to the All-Union Society "Znanie"; Dir. G. Kozlov.

(Note.—Details of only some of the most important museums have been given above. All large cities of the U.S.S.R. have regional museums, varying in size and variety of exhibits, some specialising in folk art, others in geology or local lore, others in a number of subjects. Many smaller centres also have museums of local lore, flora and fauna museums, etc.)

UNIVERSITIES

Ashkhabad State University: Ashkhabad, Turkmenian S.S.R.; f. 1950; 2,900 students.

AZERBAIJAN S.M. KIROV STATE UNIVERSITY

UL. KOMMUNISTICHESKAYA 6, BAKU, AZERBAIJAN

Founded 1919

Rector: Acad. Prof. Dr. S. F. Mekhtiev.

Pro-Rectors: Prof. Dr. A. M. Alekperov, Prof. Dr. M. M. Efendiev.

Number of teachers: 553, including 36 professors.
Number of students: 6,197 men, 3,577 women, total 9,774.

Deans:

Faculty of Mechanics and Mathematics: A. Guseinov.
Faculty of Physics: M. Sardarly.
Faculty of Biology: A. Tagi-zade.
Faculty of Chemistry: D. Guseinov.
Faculty of Geology and Geography: S. Suleimanov.
Faculty of History: M. Orudzhev.
Faculty of Philology: A. Abdullayev.
Faculty of Oriental Studies: M. Ali-zade.
Faculty of Library Science: A. Khalafov.
Faculty of Law: M. Khalafov.
Faculty of Economics: G. Dadashev.

Professors:

Faculty of Mechanics and Mathematics:
Akhmedov, K. T. (Differential Calculus).
Amen-zade, Y. A. (Resistance of Materials).
Dzhavadov, M. A. (Geometry).
Efendiev, M. R. (Mathematical Analysis).
Guseinov, A. I. (Theory of Variable Functions).
Rasulov, M. L. (Physico-Mathematical Equations).

Faculty of Physics:
Mirzoev, B. P. (General Physics).

Faculty of Biology:
Alekperov, A. M. (Zoogeography).
Brzhesitsky, M. V. (Botany).
Kasumov, M. A. (Botany).
Melikov, M. A. (Livestock).
Tagi-zade, A. K. (Plant Physiology).

Faculty of Chemistry:
Akhmedli, M. K. (Analytical Chemistry).
Guseinov, D. A. (Chemical Technology).
Zulfugarly, D. I. (Inorganic Chemistry).

Faculty of Geology and Geography:
Aliev, M. G. (Geodesy).
Askerov, A. G. (General Geology).
Mekhtiev, S. F. (General Geology).
Suleimanov, S. M. (Useful Minerals).

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SULTANOV, K. M. (Palæontology).
ZAIRI, M. D. (Petrography).

Faculty of History:
AZNAUROV, A. A. (Dialectical and Historical Materialism).
EFENDIEV, M. M. (History of Azerbaijan).
KASUMOV, M. M. (Dialectical and Historical Materialism).
KAZIEV, M. A. (History of Azerbaijan).
MOSESOV, P. B. (Soviet History).
SHAKHMALIEV, E. M. (Mediæval History).

Faculty of Philology:
DZHAFAROV, S. A. (Modern Azerbaijani Language).
GUSEINOV, M. G. (Modern Azerbaijani Language).
MIRZA-ZADE, G. I. (History of the Azerbaijani Language).
PASHAEV, M. D. (Theory of Azerbaijani Literature).

Faculty of Law:
KAGRAMANOV, V. P. (Soviet Criminal Law).

Faculty of Economics:
AKHUNDOV, B. Y. (Political Economy).
DADASHEV, G. A. (Political Economy).
DATIEV, I. M. (National Economic Planning).
TRIBUS, A. A. (Soviet State Budget).

Bashkir State University: Ul. Frunze 32, Ufa, Bashkir A.S.S.R.; f. 1957; faculties of physics and mathematics, biology, geography, history and philology and foreign languages; number of students 4,250.

Byelorussian V. I. Lenin State University: University City, Minsk; f. 1921; faculties of physics and mathematics; biology, chemistry, geography, history, law, linguistics; there is an extra-mural department; 6,500 students.

Central Asian V. I. Lenin State University: Ul. K. Marxa 32, Tashkent; f. 1920, faculties of physics and mathematics, chemistry, biology, geology and soil science, history, law, linguistics, geography, Oriental studies; there is an extra-mural department; 5,000 students.

Chernovtsy University: Chernovtsy, Ukraine; f. 1875; 5,220 students.

DAGHESTAN V. I. LENIN STATE UNIVERSITY
(Dagestanskij Gosudarstvennyi Universitet)

12 UL. DZERZINSKOGO, MAKHACHKALA, DAGHESTAN

Founded 1957

Rector: A. A. ABILOV.

Number of teachers: 172.
Number of students: 3,612.

DEANS:
Faculty of History and Philology: M. A. ALEXBERLI.
Faculty of Physics and Mathematics: A. S. EFENDIYEV.
Faculty of Natural Sciences: V. I. MANEDOVA.
Faculty of Foreign Languages: R. S. MELIX-GUSSEJNOVA.
Faculty of Technology: A. D. MAGOMEDOV.

Dnepropetrovsk State University: Ul. Shevchenkovskaya 59, Dnepropetrovsk, Ukrainian S.S.R.; f. 1918; faculties of physics and mathematics, chemistry, biology, geology and geography, history, linguistics; there is a department of extra-mural studies; 4,514 students.

Erevan State University: Ul. Abovyana 104, Erevan; f. 1920; faculties of physics and mathematics, chemistry, biology, geology, history, linguistics, geography, economics, law, foreign languages; 5,000 students.

Far East State University: Vladivostock; f. 1923 (closed down 1939 and reopened 1956); 2,754 students.

Gorky N. I. Lobachevsky State University: Arsamasskoye Shosse 17, Gorky; f. 1918; faculties of history and philology, physics and mathematics, chemistry, biology, radio, physics; there is a department of extra-mural studies; 2,500 students.

Irkutsk V. A. Zhdanov State University: Vuzovskaya nab. 20, Irkutsk; f. 1918; faculties of physics and mathematics, chemistry, biology and soil science, geology, geography, law, history and philology; there is a department of extra-mural studies; 3,500 students.

Kabardino-Balkar State University: Nalchik, Kabardino-Balkar A.S.S.R.; f. 1957; Rector M. BERBEKOV; faculties of history and philology, physics and mathematics, agriculture and building engineering; number of professors 21, number of students 3,145; library of 140,000 vols.; research institutes in nuclear physics and astro-acoustics.

Kaunas State University: Kaunas, Lithuanian S.S.R.; faculties of medicine (departments of general medicine, pharmacology), technical sciences (departments of mechanics, chemistry, electrical engineering, building materials), construction (departments of architecture, building, communications, hydrotechnics and land improvement, geodesy), history, linguistics.

Kazakh S. M. Kirov State University: Ul. Kirova 136, Alma Ata, Kazakh S.S.R.; f. 1934; faculties of physics and mathematics, chemistry, biology, soil science, geography, history, linguistics, economics, law; there is an extra-mural department; 7,240 students.

Kazan V. I. Ulyanov (Lenin) State University: Ul. Lenina 18, Kazan, Tatar S.S.R.; f. 1804; faculties of physics and mathematics, chemistry, biology and soil science, geology, geography, law, history and linguistics; there is an extra-mural department: the University Library contains over 2,000,000 vols.; 4,782 students.

Kharkov A. M. Gorky State University: Ul. Universitetskaya 16, Kharkov, Ukrainian S.S.R.; f. 1805; faculties of linguistics, history, foreign languages, physics and mathematics, biology, chemistry, geology, geography, radiophysics; there is an extra-mural department; 7,239 students.

KIEV I. G. SHEVCHENKO STATE UNIVERSITY

VLADIMIRSKAYA 64, KIEV

Founded 1834.

Rector: I. T. SHVETS.

Number of teachers: 80 professors, about 600 others.
Number of students: approx. 11,000.
Library: about 500,000 vols.
Publications: *Nauchnom Yezhegodnike, Vestnike Kievskovo Universiteta*, etc.

The University has eleven faculties: Mechanics and Mathematics, Geography, Physics, Radio-Physics, Chemistry, History and Philosophy, Journalism, Biology, Philology, Geology, Law and Economics.

Attached Institutes: Animal Biology, Astronomical Observatory, two Botanical Gardens, Agro-Biology, Printing and Publishing, Students' Library, Scientific Library, Museums, Electronic-computing Centre, Laboratories, etc.

Kirghiz State University: Frunze, Kirghiz S.S.R.; f. 1951; faculties of history, philology, physics, mathematics, geography, soil science, law and economics, foreign languages; 5,225 students.

Kishinev State University: Kishinev, Moldavian S.S.R.; f. 1945; faculties of history and philology, law, economics.

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physics and mathematics, chemistry, biology and soil science, geology; 2,041 students.

Latvian P. Stuchka State University: Boulevard Rainisa 19, Riga, Latvian S.S.R., telephone: 22004; f. 1919; faculties of biology, chemistry, geography, physics and mathematics, economics and law, history and philology; there is an extra-mural department; 348 professors and teachers, 5,521 students; publs. *Scientific Transactions* (*Zinatniskie Raksti*, Vols. I-XXV, 1949-58).

LENINGRAD "A. A. ZHDANOV" STATE UNIVERSITY (ORDER OF LENIN)

UNIVERSITETSKAYA NAB. 7/9, LENINGRAD

Telephone: A-000-43

Founded 1819.

Rector: Prof. A. D. ALEXANDROV, Corresponding Member of the Academy of Sciences of the U.S.S.R.
Pro-Rectors: Prof. YU V. NOVOZHILOV, Prof. G. V. EFIMOV.
Librarian: L. A. SHILOV.

Number of teachers: 1,338.
Number of students: 15,230.
Publications: *Vestnik Leningradskogo Universiteta.*

DEANS:

Faculty of Mathematics and Mechanics: Prof. N. N. POLIACHOV.
Faculty of Physics: Prof. A. M. SHUKHTIN.
Faculty of Chemistry: Prof. B. P. NIKOLSKY.
Faculty of Biology: Prof. P. V. MAKAROV.
Faculty of Geography: Prof. B. CH. BUINITSKI.
Faculty of Geology: Prof. S. S. KUZNETSOV.
Faculty of History: Prof. V. V. MAVRODIN.
Faculty of Philolophy: Prof. V. P. ROZHIN.
Faculty of Linguistics: Prof. B. G. REIZOV.
Faculty of Economics: Prof. N. G. POSPELOVA.
Faculty of Law: Prof. A. I. KOROLEV.
Faculty of Oriental Studies: Prof. M. N. BOGOLIUBOV.

PROFESSORS:

Faculty of Mathematics and Mechanics:

KACHANOV, L. M. (Theory of Elasticity).
NATANSON, I. P. (Mathematical Analysis).
NOVOSELOV, V. S. (Theoretical Astronomy).
NOVOZHILOV, V. V. (Pure and Applied Mechanics).
OGORODNIKOV, K. F. (Stellar Astronomy).
PLISS, V. A. (Differential Equations).
POLIACHOV, N. N. (Theoretical Mechanics).
SMIRNOV, V. I. (Mathematical Physics).
SOBOLEV, V. V. (Astrophysics).
VALANDER, S. V. (Hydroaeromechanics).
VENKOV, B. A. (Higher Algebra).
VOLKOV, D. M. (Elementary Mathematics).

Faculty of Physics:

CHULANOVSKY, V. M. (Theoretical and Applied Spectroscopy).
DZHELEPOV, B. S. (Nuclear Reactions).
FRISH, S. E. (Optics).
FOCK, V. A. (Theoretical Physics).
GROSS, E. F. (Molecular Physics).
KALITIEVSKY, N. I. (General Physcis I).
KONDRATYEV, K. Y. (Physics and the Atmosphere).
LEBEDEV, A. A. (Electrophysics).
MIKHAILOV, I. G. (Ultrasonics).
NEMILOV, Y. A. (Nuclear Reactions).
NOVOZHILOV, Y. V. (Theory of the Nucleus and Elementary Particles).
TSVETKOV, V. N. (Physics of the Polymers).
VESELOV, M. G. (Quantum Mechanics).
VOOKS, M. F. (General Physics II).
YANOVSKY, B. M. (Physics of the Earth's Crust).

Faculty of Chemistry:

DOBRYANSKY, A. F. (Technical Chemistry).
DOMNIN, N. A. (Structure of Organic Compounds).
DYAKONOV, I. A. (Organic Chemistry).
GRIGOROV, O. N. (Colloidal Chemistry).
MOURIN, A. N. (Radiochemistry).
NICOLSKY, B. P. (Physical Chemistry).
SCHUKAREV, S. A. (Inorganic Chemistry).
STORONKIN, A. V. (Theory of Solutions).
TIKHOMIROV, Y. B. (Analytical Chemistry).
YAKUBCHIK, A. I. (High Molecular Chemistry).

Faculty of Biology and Soil:

AIRAPETYANTS, E. SH. (Physiology of Central Nervous System).
CHASTUKHIN, V. Y. (Protozoa).
GERBILSKY, N. L. (Ichthyology and Hydrobiology).
KOLOTILOVA, A. I. (Biochemistry).
LOBASHOV, M. E. (Genetics and Natural Selection).
MAKAROV, P. O. (Biophysics).
MAKAROV, P. V. (Anatomy and Histology).
POLYANSKY, G. I. (Zoology of Invertebrates).
PROKHOROVA, M. I. (Biochemistry).
RAZUMOVSKAYA, Z. G. (Microbiology).
SIMAKOV, V. N. (Soil Science).
SOKOLOV, N. H. (Geography of Soils).
SOLDATENKOV, S. V. (Physiology of Plants).
TERENTEV, P. V. (Zoology of Vertebrates).
TOKIN, B. P. (Embryology).
TOLMACHOV, A. I. (Higher Plants).
TRUTNEV, A. G. (Agronomy).
VASILYEV, P. L. (Phsyiology of Man and Animals).

Faculty of Geography:

BUINITSKI, B. CH. (Oceanology).
DAVYDOV, L. K. (Hydrology).
DROZDOV, O. A. (Climatology).
KALYESNIK, S. V. (Physical Geography).
KORTCHAGIN, A. A. (Botanical Geography).
SCHULTZ, S. S. (Geomorphology).
SEMEVSKY, B. N. (Economic Geography).
ZVONARYOV, K. A. (Cartography).

Faculty of Geology:

KOROBKOV, I. A. (Palæontology).
KUKHARENKO, A. A. (Mineralogy).
KUZNETSOV, S. S. (Historical Geology).
LICHKOV, B. A. (Hydrology).
OGNEV, B. H. (General Geology).
SEMYENOV, A. S. (Geophysical Exploration).
SUDOVIKOV, N. G. (Geochemistry).
TALDIKIN, S. I. (Mineral resources).
TATARSKY, V. B. (Crystallography).
YELISEYEV, N. A. (Petrography).

Faculty of History:

ARTAMONOV, M. I. (Archeology).
GUKOVSKY, M. A. (History of Middle Ages).
KARGER, M. R. (History of Arts).
KOLOBOVA, K. M. (History of Ancient Greece and Rome).
MAVRODIN, V. V. (History of U.S.S.R.).
REVUNIENKOV, V. G. (History of New Times).

Faculty of Philosophy:

ANANIEV, B. G. (Psychology).
CHAGIN, B. A. (History of Philosophy).
ROZHIN, V. P. (Dialectical and Historical Materialism).
SAMARIN, Y. A. (Pedagogics).
TUGARINOV, V. P. (Dialectical and Historical Materialism).

Faculty of Philology:

IERYOMIN, I. P. (History of Russian Literature).
IVANOVA, I. P. (English Philology).
KARATAEVA, E. I. (History of Russian Language).
LARIN, B. A. (Slavic Philology).
MASLOV, V. S. (General Linguistics).
MATUSEVICH, M. S. (Phonetics and Foreign Languages).
REIZOV, B. G. (History of Foreign Literatures).
STEBLIN-KAMENSKY, I. I. (Scandinavian Philology).
ZHIRMUNSKY, V. M. (German Philology).

Faculty of Economics:

TIULPANOV, S. I. (Economics of Modern Capitalism).

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Faculty of Law:

KALANDADZE, A. M. (Land Law and Kolkhoz Law).
PETROFF, G. I. (State Law).
SCHARGORODSKY, M. D. (Crininal Law).
TCHEREPAHIN, B. B. (Civil Law).

Faculty of Oriental Studies:

BOLDYREV, A. N. (Iran Philology).
EFIMOV, G. V. (History of Far East (countries)).
KONONOV, A. N. (Turkish Philology).
OLDEROGGE, D. A. (Countries of Africa).
PETRUSHEVSKY, I. P. (History of Near East (countries)).
STRUVE, V. V. (History of Ancient Orient).

Lvov Ivan Franko State University: Ul. Universitetskaya 1, Lvov, Ukrainian S.S.R.; f. 1661; faculties of physics, mathematics and mechanics, biology, chemistry, geography, geology, linguistics, history, foreign languages, law; there is an extra-mural department: library of 800,000 vols.; 8,000 students.

Mordovian State University: Saransk, Mordovinian A.S.S.R.; f. 1957; six faculties; 4,000 students.

MOSCOW M. V. LOMONOSOV STATE UNIVERSITY (ORDER OF LENIN)

LENINSKIE GORY, MOSCOW 5
Telephone: V-9-39-34
Telegraphic Address: Moscow, V-234

Founded 1755

The Faculties of Mechanics and Mathematics, Physics, Chemistry, Biology and Soil Science, Geography and Geology are housed on the Lenin Hills. Those of History, Philology, Philosophy, Economics, Law, Journalism and the Institute of Oriental Languages are at 18-20 Prospekt Marksa in the City centre. The Preparatory Faculty for Foreign Students is in Novye Cheremushki.

Rector: IVAN GEORGIEVIC PETROVSKII.

Vice-Rectors: Prof. G. D. VOVCHENKO, Prof. N. I. MOKHOV, Docent K. I. IVANOV.

Librarian: Prof. A. I. MIKHAILOV.

Number of teachers: 3,700, including 300 professors.
Number of students: 32,000.
Publications: *Vestnik Moscowskogo Universiteta* (10 series), *Bulletin of Moscow Society of Nature's Testers* (2 series).

DEANS:

Faculty of Mechanics and Mathematics: Prof. N. V. YEFIMOV.
Faculty of Biology and Soil Science: Prof. NIKOLAI PAVLOVIC NAUMOV.
Faculty of Geography: Prof. ALEXANDR MAKSIMOVIC RIABCHIKOV.
Faculty of Geology: Prof. YEVGENI MIKHAILOVICH SERGEYEV.
Faculty of Chemistry: Prof. I. F. LUTSENKO.
Faculty of Physics: Prof. VASILII STEPANOVIC FURSOV.
Faculty of History: Prof. IVAN ANTONOVIC FEDOSOV.
Faculty of Philology: Prof. ALEKSEI GEORGIEVIC SOKOLOV.
Faculty of Philosophy: Prof. VASILII SERGEEVIC MOLODTSOV.
Faculty of Economics: Prof. V. A. ZHAMIN.
Faculty of Law: Prof. DMITRII STEPANOVIC KAREV.
Faculty of Journalism: Prof. EVGENII LAZAREVIC KHUDIAKOV.
Institute of Oriental Languages: Prof. ALEXANDER ALEXANDROVIC KOVALEV.
Preparatory Faculty: Asst. Prof. NIKOLAI ALEXANDROVIC JIKHAREV.

PROFESSORS:

Faculty of Mechanics and Mathematics:

ALEKSANDROV, P. S. (Higher Geometry and Topology).
FINIKOV, S. P. (Differential Geometry).
GELFOND, A. O. (Theory of Numbers).
ILIUSHIN, A. A. (Theory of Elasticity).
KLIUSHNIKOV, V. D. (Theory of Plasticity).
KOLMOGOROV, A. N. (Theory of Probability).
KUROSH, A. G. (Higher Algebra).
MARKOV, A. A. (Mathematical Logic).
MENSHOV, D. E. (Functional Theory).
OKHOTSIMSKY, D. E. (Theoretical Mechanics).
PETROV, G. I. (Aeromechanics and Gas Dynamics).
PETROVSKY, I. G. (Differential Calculus).
RAKHMATULIN, K. A. (Gas and Water Dynamics).
SEDOV, L. I. (Hydromechanics).
TIKHONOV, A. N. (Computer Mathematics).
YEFIMOV, N. V. (Mathematical Analysis).

Faculty of Biology and Soil Science:

AVDONIN, N. S. (Soil Chemistry).
BELOZERSKY, A. N. (Plant Biochemistry).
DOBROVOLSKY, G. V. (Soil Geography).
DVORIANKIN, F. A. (Darwinism).
GORLENKO, M. V. (Lower Plant Life).
GREMIATSKY, M. A. (Anthropology).
KACHINSKY, N. A. (Soil Physics and Improvement).
KRASILINIKOV, N. A. (Soil Biology).
KUDRIASHOV, L. V. (Higher Plant Life).
LEBEDINSKY, V. L. (Plant and Human Physiology).
MAKAROV, V. T. (General Agriculture).
NAUMOV, N. P. (Zoology).
NIKOLSKY, G. V. (Ichthyology).
POPOV, V. V. (Embryology).
ROSKIN, G. I. (Cytology and Histology).
RUBIN, B. A. (Plant Physiology).
SEVERIN, S. E. (Animal Biochemistry).
SHAPOSHNIKOV, V. N. (Microbiology).
SMIRNOV, E. S. (Entomology).
SOLOVIOV, P. E. (Soil Science).
STOLATOV, V. N. (Genetics and Selection).
TARUSOV, B. N. (Biophysics).
TIUREMNOV, S. N. (Geobotany).
VORONIN, L. G. (Higher Nervous Activity).
YASHNOV, V. A. (Hydrobiology).
ZENKEVICH, L. A. (Zoology).

Faculty of Geography:

BOGOROV, V. G. (Geography of Polar Countries).
BYKOV, V. D. (Desert Hydrology).
DOBROVOLSKY, A. D. (Oceanography).
GLAZOVSKAYA, M. A. (Soil Geography).
GVOZDETSKY, N. A. (U.S.S.R. Physical Geography).
KHROMOV, S. P. (Climatology).
LEONTIEV, O. K. (Geomorphology).
MARKOV, K. K. (General Agriculture).
RIABCHIKOV, A. M. (Physical Geography of Foreign Countries).
SALISHCHEV, K. A. (Geodesy and Cartography).
SAUSHKIN, Y. G. (U.S.S.R. Economic Geography).
VALEV, E. B. (Economic Geography of the Socialist Countries).
VOLSKY, V. V. (Economic Geography of the Capitalist Countries).
VORONOV, A. G. (Biogeography).

Faculty of Geology:

BARSANOV, G. P. (Mineralogy).
BELOV, N. V. (Crystallography).
BOGDANOV, A. A. (Historical and Regional Geology).
GORSHKOV, G. P. (Dynamic Geology).
KONIUKHOV, I. A. (Geology and Geochemistry of Fuel Minerals).
KUDRIAVTSEV, V. A. (Petrography).
KUZNETSOV, E. A. (Petrography).
LANGE, O. K. (Hydrogeology).
ORLOV, Y. A. (Palæontology).
SERGEYEV, E. M. (Engineering Geology).
SMIRNOV, V. I. (Useful Minerals).
VINOGRADOV, A. P. (Geochemistry).
ZABOROVSKY, A. I. (Geophysical Methods in Examining the Core of the Earth).

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Faculty of Chemistry:

ALIMARIN, I. P. (Analytical Chemistry).
BALANDIN, A. A. (Organic Catalysis).
EMANUEL, N. M. (Chemical Kinetics).
FRUMKIN, A. N. (Electrochemistry).
GERASIMOV, Y. I. (Physical Chemistry).
KARGIN, V. A. (High Molecular Structures).
KHOMIAKOV, K. G. (General Chemistry).
NESMEYANOV, A. N. (Radiochemistry and Organic Chemistry).
PLATEY, A. F. (Petroleum Chemistry).
REBINDER, P. A. (Colloidal Chemistry).
SPITSYN, V. I. (Inorganic Chemistry).
VERESHAGIN, L. F. (High Pressure Physics and Chemistry).
VOLFKOVICH, S. I. (Chemical Technology).

Faculty of Physics:

ARTSIMOVICH, L. A. (Atomic Physics and Electronic Phenomena).
BELOV, K. P. (General Physics).
BLOKHINTSEV, D. I. (Theory of the Atomic Nucleus).
BOGOLIUBOV, N. N. (Statistical Physics).
DAVYDOV, A. S. (Electrodynamics and Quantum Theory).
DIUBIUK, A. F. (Physics of the Atmosphere).
DUBOSHIN, G. N. (Celestial Mechanics and Gravimetry).
DOBROKLONSKY, S. V. (Physics of Sea and Desert Waters).
GROSHEV, L. V. (Nuclear Spectroscopy).
GUSEV, V. D. (Dissemination of Electromagnetic Waves).
GVOZDOVER, S. D. (Radiotechnics).
IVERONOVA, V. I. (General Physics).
KAPTSOV, N. A. (Electronics).
KISELEV, V. F. (General Physics).
KOLOMENSKY, A. A. (Accelerators).
KONDORSKY, E. I. (Magnetism).
KOROLEV, F. A. (Optics).
KUKARKIN, B. V. (Stellar Astronomy).
KULIKOV, K. A. (Astronomy).
MAGNITSKY, V. A. (Physics of the Earth's Core).
MARTYNOV, D. Y. (Astrophysics).
MIGULIN, V. V. (Theory of Oscillation).
PREDVODITELEV, A. S. (Molecular Physics).
RZHEVKIN, S. N. (Accoustics).
SHALNIKOV, A. I. (Low Temperatures).
SHUBNIKOV, A. V. (Crystal Physics).
STRELKOV, S. P. (General Physics).
TIKHONOV, A. N. (Mathematics).
VAVILOV, V. S. (Semiconductor).
VEKSLER, V. I. (Physics of Elementary Particles).
VERNOV, S. N. (Cosmic Rays).
ZHDANOV, G. S. (Physics of Solids).

Faculty of History:

ARTSIKHOVSKY, A. V. (Archæology).
AVDIEV, V. I. (Ancient History).
FYODOROV-DAVYDOV, A. A. (History of Russian and Soviet Art).
FEDOSOV, I. A. (Russian Capitalist History).
GALKIN, I. S. (Recent and Contemporary History).
KHVOSTOV, V. M. (Ethnography).
LAZAREV, V. N. (History of Foreign Art).
NAIDA, S. F. (Soviet History).
NOVITSKY, G. A. (Russian Feudal History).
RYBAKOV, B. A. (Source Studies).
SAVINCHENKO, N. V. (History of the Soviet Communist Party).
SERGEEV, V. S. (Ancient Languages).
SKAZKIN, S. D. (Medieval History).
VORONKOV, I. A. (History of the Southern and Western Slavs).

Faculty of Philology:

AKHMANOVA, O. S. (English).
BUDAGOV, R. A. (Romance Linguistics).
CHEMODANOV, N. S. (German).
GRINEVA, E. F. (French).
IVASHEVA, V. V. (Foreign Literature).
KONDRASHEV, N. A. (Western and Southern Slavonic Languages).
KRAVTSOV, N. I. (Oral Folk Lore).
LEVKOVSKAYA, K. A. (German).
METCHENKO, A. I. (History of Russian and Soviet Literature).
POPOV, A. N. (Classical Philology).
POSPELOV, G. N. (Theory of Literature).
SHARIF, A. A. (Soviet Folk Literature).
SOKOLOV, A. N. (History of Russian Literature).
STEPANOV, Y. S. (General and Comparative Linguistics).
TSYBENKO, E. Z. (History of Southern and Western Slavonic Literature).
VINOGRADOV, V. V. (Russian).
ZVEGINTSEV, V. A. (Structural and Applied Linguistics).

Faculty of Philosophy:

ALEXEEV, M. N. (Logic).
CHESNOKOV, D. I. (Historical Materialism).
KOVALEV, A. M. (Theory of Scientific Communism).
LEONTIEV, A. N. (Psychology).
MOLODTSOV, V. S. (Dialectical Materialism).
OIZERMAN, T. I. (History of Foreign Philosophy).
OVSIANNIKOV, M. F. (Marxist-Leninist Ethics and Aesthetics).
PANTSKHAVA, I. D. (Theory and History of Atheism and Religion).
SHCHIPANOV, I. Y. (History of Soviet Philosophy).
VASETSKY, G. I. (History of Marxist-Leninist Philosophy).

Faculty of Economics:

GERASHCHENKO, B. S. (Industrial Economics and Planning).
NEMCHINOV, V. S. (Mathematical Economic Analysis).
POLIANSKY, F. Y. (History of the National Economy).
SAVINSKY, D. V. (Statistics).
SOKOLOV, M. M. (Agricultural Economy and Planning).
TATUR, S. K. (Accountancy and Nationalised Industries).
TSAGODOV, N. A. (Political Economy).
ZHAMIN, V. A. (Economy of Foreign Countries).

Faculty of Law:

ALEXANDROV, N. G. (Labour Law).
DENISOV, A. I. (Theory of Government and Law).
KAREV, D. S. (Criminal Procedure).
KAZANTSEV, N. D. (Land and Collective Farm Law).
KECHEKIAN, S. F. (History of Government and Law).
KLEINMAN, A. F. (Civil Procedure).
KOROVIN, E. A. (International Law).
KOSLOV, Y. M. (Administrative and Finance Law).
KRAVCHUK, S. S. (State Law).
MENSHAGIN, V. D. (Criminal Law).
ORLOVSKY, P. E. (Civil Law).
VASILIEV, A. N. (Criminology).

Faculty of Journalism:

ARKHIPOV, V. A. (History of Russian Journalism and Literature).
KAPTSOV, N. P. (Radio and Television).
KHUDIAKOV, E. L. (Party and Soviet Newspapers).
POPOV, V. V. (Newspaper Technology and Information Media).
ROSENTAL, E. D. (Russian Language Stylistics).
SACURSKY, Y. N. (Foreign Press and Literature).
SKVORTSOV, I. M. (Newspaper Editing and Publishing).

Institute of Oriental Languages:

DEOPIK, D. V. (Economy and Economic Geography of Eastern Countries).
GOLOVNIN, I. V. (Far Eastern Languages).
GUBER, A. A. (History of South-East and Far East Countries).
IVANOV, M. S. (History of the Countries of the Near and Far East).
KOVALEV, A. A. (Arab Philology).
MAZUR, Y. N. (South-East Asian Languages).
NASILOV, V. M. (Turkish Philology).
OSIPOV, A. M. (History of India).
PEISIKOV, L. F. (Iranian Philology).
ROGACHEV, A. P. (Chinese Philology).
SAZANOVA, N. M. (African Studies).
SOTNIKOV, M. N. (Indian Philology).
SIMONOVSKAYA, L. (Chinese History).

ATTACHED INSTITUTES:

Institute of Astronomy, Institute of Mechanics, Institute of Nuclear Research, Institute of Anthropological Research and Museum, Botanical Garden, Agro-Biological Testing Station, Zoological Museum, Agricultural Museum.

Novosibirsk State University: Novosibirsk, Siberia; f. 1959; faculties of physics and mathematics, natural sciences; Rector ILYA NESTOROVICH VEKUA.

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Odessa I. I. Mechnikov State University: Ul. Shchepkina 12, Odessa, Ukrainian S.S.R.; f. 1865; faculties of linguistics, history, foreign languages, physics and mathematics, geography, biology, chemistry; there is an extra-mural department; 6,456 students.

PERM A. M. GORKY STATE UNIVERSITY

UL. GENKELYA 1, PERM

Founded 1916

Rector: Prof. V. F. TIUNOV.

Number of teachers: 302.
Number of students: 6,223.

DEANS:

Faculty of History: Doc. K. S. MAKHANEK.
Faculty of Psychology: Doc. A. A. BELSKY.
Faculty of Law: Doc. A. B. PYBKIN.
Faculty of Physics: Prof. I. G. SHAPOSHNIKOV.
Faculty of Mechanics and Mathematics: Doc. I. B. TSYGANKOV.
Faculty of Chemistry: Doc. A. A. VOLKOV.
Faculty of Biology: Doc. A. I. OBORIN.
Faculty of Geology: Doc. A. K. MALOVICHKO.
Faculty of Geography: Doc. B. A. BALKOV.
Faculty of Economics: Doc. I. S. SANDLER.

"PATRICE LUMUMBA" PEOPLE'S FRIENDSHIP UNIVERSITY

5 DONSKOY PROYESD, 7, MOSCOW
Telephone: 32-06-49

Founded 1960

Vice-Chancellor: Prof. P. YERZIN.
Rector: Prof. SERGEY RUMYANTSEV.
Pro-Rectors: ALEXANDER SHABANOV, RAFAIL ROMANOV, PAUL ERZIN, VICTOR VALTSEFEROV.
Registrar: NIKOLAY ERMACOV.

Number of teachers: 510.
Number of students: 2,600 from 80 countries; optimum 4,000.

DEANS:

Faculty of History and Philology, Economics and Law: ALEXANDER SHABANOV.
Faculty of Physico-Mathematical and Natural Sciences: ABDELHAK GALIULLIN.
Faculty of Medicine: ALEXANDER GROMOV.
Faculty of Engineering: MICHAEL SHKALIKOV.
Faculty of Agriculture: IVAN KUSNETSOV.
Preparatory Faculty: EKATERINA MOTINA.

PROFESSORS:

AVAKOV, A. I. (Technical Sciences).
BARANOV, S. F. (Philological Sciences).
DAMINOVA, A. M. (Geology and Mineralogy).
DERYUGIN, L. N. (Technical Sciences).
DMITRIEV, A. (Physics and Mathematics).
ELISEYEV, V. G. (Medical Sciences).
ELSGOLTS, L. E. (Physics and Mathematics).
GALIULLIN, A. S. (Technical Sciences).
GRATCHEVA, M. S. (Medical Sciences).
HRSHANOVSKY, V. G. (Sociological Sciences).
KIKTENKO, V. A. (Medical Sciences).
KREYTER, V. M. (Mineralogical Sciences).
KUSAKOV, M. M. (Chemical Sciences).
KUSNETSOV, I. M. (Agricultural Sciences).
MINKEVITCH, I. A. (Agricultural Sciences).
PAVLOV, FYODOR FYODOROVITCH (Technical Sciences).
REKATCH, V. G. (Technical Sciences).
RISHKOV, V. V. (Physics and Mathematics).
RUMYANTSEV, S. V. (Technical Sciences).
SEVRYUKOV, N. N. (Technical Sciences).
SHABANOV, A. N. (Medical Sciences).
SHDANOV, D. A. (Medical Sciences).
SIDELNIKOV, V. M. (Philology).
THALISIN, F. F. (Medical Sciences).

Petrozavodsk State University: pr. Lenina 71, Petrozavodsk, Karelo-Finnish S.S.R.; f. 1940; faculties of history and linguistics, physics and mathematics, geology, medicine, agriculture, forestry, engineering; there is an extra-mural department; 2,014 students.

Rostov State University: Ul. F. Engelsa 115, Rostov-on-Don; f. 1917; faculties of physics and mathematics, law, chemistry, biology, geology and soil science, geography, history and linguistics; there is an extra-mural department; 5,805 students.

SARATOV N. G. CHERNYSHEVSKY STATE UNIVERSITY

ASTRAKHANSKAYA 83, SARATOV

Founded 1909.

Rector: R. V. MERTSLIN.
Pro-Rectors: I. S. KAMENOGRADSKI, V. S. VYSHEMIRSKI, I. N. MAKEEV.

Number of teachers: 412.
Number of students: 5,720.

Deans: V. A. OSIPOV, S. A. BACH, A. I. BARABANOV, M. L. KATS, A. V. FORTUNATOV, A. F. NEGANOV, A. V. VOSTRYAKOV, P. E. KHARITONOV.

Professors: V. A. BALAEV, M. N. BOBROVA, G. P. BOEV, V. V. VAGNER, V. S. VASILEV, P. A. VINDER, S. A. GLIKMAN, M. P. GNUTENKO, P. V. GOLYBKOV, Y. Y. DODONOV, V. I. KALININ, V. G. KAMYSHYOVA-ELPATEVSKAYA, M. A. KOVNER, S. G. LEKHITSKI, A. M. LUKYANENKO, A. V. MOROZOV, B. L. PATRUSHEV, E. I. POKUSAEV, A. A. PONOMAREV, A. P. SKAFTYMOV, A. D. STEPYKHOVICH, S. V. FALKOVICH, A. D. FURSAEV, N. G. TCHUDAKOV, A. A. TCHIGURYAEVA.

Faculties: History, Philology, Mechanics and Mathematics, Physics, Chemistry, Biology, Geography, Geology.

Scientific research institutes of Mechanics and Physics, Chemistry, Geology (670 scientific workers).

Tajik V. I. Lenin State University: Dushanbe, Tajik S.S.R.; f. 1948; faculties of history and philology, law, physics and mathematics, chemistry, natural sciences, economics; 4,071 students.

TARTU STATE UNIVERSITY

TARTU, ESTONIAN S.S.R.
Central Telephone: 41-20

Founded 1802

Rector: F. D. KLEMENT.

Number of teachers: 430, including 27 professors.
Number of students: 5,900.

DEANS:

Faculty of Law and Economics: P. VIHALEM.
Faculty of History and Philosophy: K. SIILIVASK.
Faculty of Mathematics and Physics: A. M. MITT.
Faculty of Medicine: A. J. LINKBERG.
Faculty of Physical Culture: F. O. KUDU.
Faculty of Biology and Geography: H. MIIDLA.

PROFESSORS:

Faculty of Law:

KADARI, HELMUT (Criminal Law).
UUSTAL, ABNER (Constitutional and Administrative Law).
VIHALEM, PAUL (History of Law).

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Faculty of History and Philology:
ALTTOA, VILLEM (Western European Literature and Classical Philology).
ARISTE, PAUL (Finno-Ugrian Languages).
KASK, ARNOLD (Estonian Language).
KONKS, JEAN (General History).
LOTMAN, JÜRI (Russian Literature).
MOOSBERG, HILDA (History of the U.S.S.R.).
RAMUL, KONSTANTIN (Psychology).
VAGA, VOLDEMAR (History of Art).

Faculty of Mathematics and Physics:
KANGRO, GUNNAR (Mathematical Analysis).
KLEMENT, FEODOR (Physics).
LEPIK, ÜLO (Theoretical Mechanics).
RÄGO, GERHARD (Applied Mathematics and Mechanics).

Faculty of Biology and Geography:
AUL, JUHAN (Zoology of Vertebrates).
EICHWALD, KARL (Plant Taxonomy and Geobotany).

Faculty of Medicine:
FAINBERG, VLADIMIR (Obstetrics and Gynæcology).
KÄER-KINGISEPP, ELISE (Physiology and Biochemistry).
KARU, ELMAR (Psychiatry).
KASK, MIHKEL (Hygiene).
KINGISEPP, GEORG (Pharmacology).
LINKBERG, ARTUR (Surgery).
RAATMA, ALEKSANDRA (Forensic Medicine).
ROOKS, GERHARD (Anatomy).
TEHVER, JULIUS (Histology).
VEIDERPASS, NIKOLAI (Galenic Pharmacy and Pharmaceutical Chemistry).

Tbilisi State University: f. 1918; there are faculties of mechanics and mathematics, physics, chemistry, biology, geology and geography, philology, Western European languages, oriental studies, economics, law; there are 10,700 students; the library contains 1,600,000 vols.

Tomsk V. V. Kuibyshev State University: Timiryazevsky pr. 3, Tomsk; f. 1880; faculties of physics and mathematics, radio-physics, chemistry, biology, geography, geology and soil science, history and linguistics, economics and law; there is an extra-mural department; 4,633 sutdents.

Turkmenian A. M. Gorky State University: Ashkhabad, Turkmenian S.S.R.; f. 1950; faculties of philology, history and law, physics and mathematics, biology and geography, oil, mechanics and technology, engineering, physical education; 4,000 students.

URALS A. M. GORKY STATE UNIVERSITY

UL. KUIBYSHEVA 48A, SVERDLOVSK

Founded 1920

Rector: SERGEI VASILEVITCH KARPATCHEV.
Pro-Rector: MIKHAIL ADRIANOVITCH BATIN.

Number of teachers: 255, including 17 professors.
Number of students: 4,835.

DEANS:

Faculty of History: VASILIJ JAKOVLEVITCH KRIVONOGOV.
Faculty of Philology: IVAN ALEKSEEVITCH DERGATCHEV.
Faculty of Physics and Mathematics: ANATOLIJ FEDOROVITCH GERASIMOV.
Faculty of Chemistry: MARIJA ANDREEVNA PANJUKOVA.
Faculty of Biology: PAVEL VASILEVITCH LEBEDEV.
Faculty of Economics: VALENTIN MIKHAILOVITCH GOTTLOBER.

Department of Extra-Mural Studies: Dir. ANNA FEDOROVNA KOZMENKO.
Visual Observation Station for Artificial Satellites: KLAVDIA ALEKSANDROVNA BARKHATOVA.

Uzbek Alisher Navoi State University: Boulevard Gorkogo 15, Samarkand, Uzbek S.S.R.; f. 1933; faculties of physics and mathematics, biology, geology and soil science, chemistry, history and linguistics; there is an extra-mural department; 6,500 students.

Uzhgorod State University: Pl. Gorkogo, 46 Uzhgorod, Ukrainian S.S.R.; f. 1945; faculties of history, philology, physics and mathematics, chemistry, biology, medicine; 4,154 students.

VILNIUS V. KAPSUKAS STATE UNIVERSITY

VILNIUS, LITHUANIAN S.S.R.

Telephone: 2-37-79

Founded 1579.

Rector: J. KUBILIUS.
Pro-Rectors: S. JANKAUSKAS, S. LAZUTKA, J. STANKEVIČIUS.

Number of teachers: 489.
Number of students: 8,092, including 4,315 in the extra-mural department.

Faculty of Philology and History: Lithuanian Language and Literature, Russian Language and Literature, Romance and German Philology, History, Archæology, Ethnography, Journalism, Library Science.
Faculty of Law.
Faculty of Economics
Faculty of Physics and Mathematics.
Faculty of Natural Sciences: Biology, Geography, Geology.
Faculty of Medicine.
Faculty of Chemistry.

The University also provides specialised training in various fields of national economy and culture of the country.

Voronezh State University: Prospekt Revolyutsii 24, Voronezh; f. 1918; faculties of physics and mathematics, law, economics, chemistry, biology, geology and soil science, geography, history and linguistics; there is an extra-mural department; 6,000 day students.

Rector: Prof. B. I. MIKHANTIEV, D.SC., (CHEM.).

YAKUTSK STATE UNIVERSITY

OKTYABRSKAYA UL. 33, YAKUTSK, YAKUTSK A.S.S.R.

Founded 1956.

Rector: POPOV.

Number of teachers: 183.
Number of students: 2,311.

Deans: SEMYONOV, BASHARIN, BARANOV, ALEKSEEV, KUDRYAVTSEV.
Professors: MORDINOV, KRYLOV, SHAKHOV, FEDOTOV.
Publication: *Yakutski Universitet.*
Faculties: Arts, Physics and Mathematics, Natural Sciences, Technical, Agricultural.

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OTHER HIGHER EDUCATIONAL AND RESEARCH INSTITUTES

AGRICULTURE

(1) General Agricultural Institutes

Tselinograd Agricultural Institute: Tselinograd, Kazakhstan; four faculties.

All-Union Extra-Mural Agricultural Institute: Balashikha, Moscow.

All-Union Extra-Mural Agricultural Institute: Moscow.

All-Union Research Institute for Agriculture: 23 Michurin St., Novosibirsk, and 68 Kashgarskaya, Alma-Ata.

Altai Agricultural Institute: Pushkinskaya 82, Barnaul, Altaisk. kr.

Armenian Agricultural Institute: Ul. Teryana 74, Erevan, Armennia S.S.R.

Azerbaijan Agricultural Institute: Ul. Asisbekova 222, Kirovabad.

Azov-Black Sea Agricultural Institute: St. Persyanovka, Rostovsk. obl.

Bashkir Agricultural Institute: Ul. K. Marxa 12, Ufa, Bashkir A.S.S.R.

Belaya Tserkov Agricultural Institute: Belaya Tserkov, Ukrainian S.S.R.

Blagoveshchensk Agricultural Institute: Blagoveshchensk, Amursk obl.

Budennovsk Agricultural Institute: Budennovsk, Stavropolsk. kr.

Byelorussian Agricultural Academy (Order of the Red Banner of Labour): Gorki, Byelorussian S.S.R.; f. 1836; faculties: Agronomy, Agrochemistry, Fruit Growing, Economic Planning, Zootechnics, Engineering, Irrigation, Mechanisation, Pedagogies.

Chuvash Agricultural Institute: Ul. K. Marxa 29, Cheboksary, Chuvash A.S.S.R.

Crimean M. I. Kalinin Agricultural Institute: Ul. Michurina 2, Simferopol, Ukrainian S.S.R.

Daghestan Agricultural Institute: Vuzovsky gorodok, Makhach-kala, Daghestan A.S.S.R.

Dnepropetrovsk Agricultural Institute: Voroshilovskaya 25, Dnepropetrovsk, Ukrainian S.S.R.

Estonian Agricultural Academy: Ploshchad Lenina 1, Tartu, Estonian S.S.R.; f. 1951; 2,700 students; faculties: Veterinary Sciences, Zootechnics, Agronomy, Mechanisation, Forestry.

Georgian Agricultural Institute: Prospect Chavchavadze 33, Tbilisi, Georgian S.S.R.

Georgia Institute of Sub-tropical Cultivation: Kelasury, Sukhumi.

Gorky Agricultural Institute: Pl. Minina i Pozharskogo 7/1.

Grodno Agricultural Institute: Akademicheskaya Ul. 10, Grodno, Byelorussia.

Irkutsk Agricultural Institute: Ul. Timinyazeva 59, Irkutsk.

Izhev Agricultural Institute: Ul. Kirova 16, Izhev.

Ivanovo Agricultural Institute: Negorelaya 39/16, Ivanovo.

Kamenets-Podolsk Agricultural Institute: Ul. Shevchenko 19, Kamenets-Podolsk, Ukraine.

Kazakh Agricultural Institute: Ul. Krasina 123, Alma-Ata, Kazakh S.S.R.

Kazan A. M. Gorky Agricultural Institute: Ul. K. Marxa 56, Kazan, Tatar A.S.S.R.

Kharkov V. V. Dokuchayev Agricultural Institute (Order of the Red Banner of Labour): Ul. Artema 44, Kharkov, Ukrainian S.S.R.

Kherson Agricultural Institute: Alexandrovskaya pl. 2, Kherson, Ukrainian S.S.R.

Kirgiz Agricultural Institute: Pocht. Yashch. 5, Frunze, Kirgiz S.S.R.

Kirov Agricultural Institute: Oktyabrskaya 73, Kirov.

Kishinev Agricultural Institute: Sadovaya 111, Kishinev. Moldavian S.S.R.

Kostroma Agricultural Institute: Ul. é-go Maya 14, Kostroma, R.S.F.S.R.

Krasnoyarsk Agricultural Institute: Krasnoyarsk.

Kuban Agricultural Institute: Ul. Druzhby 107, Krasnodar.

Kurgan Agricultural Institute: Ul. Kuybysheva 55, Kurgan.

Kursk Agricultural Institute: Ul. K. Marxa 70, Kursk.

Kutaisi Agricultural Institute: Kutaisi, Georgian S.S.R.

Kuibyshev Agricultural Institute: Pos. Sovety, St. Kinel, Kuibyshev.

Latvian Agricultural Academy: Dvortsovy Ostrov, Elgava, Latvian S.S.R.

Leningrad Agricultural Institute: Komsomolskaya Ul. 14, gor. Pushkin, Leningrad.

Lithuanian Agricultural Academy: Kestucio g-ve 27, Kaunas, Lithuanian S.S.R.

Lugansk Agricultural Institute: Opytnoye polye, Lugansk, Ukrainian S.S.R.

Lvov Agricultural Institute: St. Dublyany, Ukrainian S.S.R.

Moscow Timiryazev Academy of Agriculture (Order of Lenin): Novoye Shosse 51, Moscow; f. 1865; eight faculties: Agronomy, Agricultural Chemistry and Soil Science, Stockbreeding, Mechanization, Electrification, Hydrotechnics and Melioration, Economy, Horticulture. Twenty-four research stations and six experimental and instructional farms are attached to the Academy. The Academy's Central Research Library contains 1,783,000 vols.

North Ossetian Agricultural Institute: Timiryazevsky per, 3/5, Ordjonikidze, North Ossetian A.S.S.R.

Novosibirsk Agricultural Institute: Bolshevistskaya 172, Novosibirsk.

Odessa Agricultural Institute: Ul. Sverdlova 99, Odessa, Ukrainian S.S.R.

Omsk S. M. Kirov Agricultural Institute: Zagorodnaya roshcha, Omsk.

Orenburg A. A. Andreyev Agricultural Institute: Orenburg.

Penza Agricultural Institute: Akhuny, Penza.

Perm Agricultural Institute: Ul. Kommunisticheskaya 23, Perm.

Poltava Agricultural Institute: Ul. Skovorody 1/3, Poltava, Ukrainian S.S.R.

Primorsk Agricultural Institute: Zheleznodorozhny Prospekt 42, Ussuriisk.

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Ryazan P. A. Kostychev Agricultural Institute: Ul. Sverdlova 26, Ryazan.

Saratov Agricultural Institute: Pl. Revolyutsii 1, Saratov.

Stavropol Agricultural Institute: Stavropol-Kraievoy.

Sverdlovsk Agricultural Institute: Ul. K. Liebknechta 42, Sverdlovsk.

Tajik Agricultural Institute: Ul. Shlevchenko 15, Dushanbe, Tajik S.S.R.

Tashkent Agricultural Institute: Ul. Kirova 32, Tashkent, Uzbek S.S.R.

Tiumen Agricultural Institute: Ul. Respubliki 7, Tiumen.

Turkmenian Agricultural Institute: Gogolevskaya 23, Ashkhabad, Turkmenian S.S.R.

Ukrainian Academy of Agricultural Sciences: Goloseevo Kiev, Ukrainian S.S.R.

Ulyanovsk Agricultural Institute: Novy Venets 1, Ulyanovsk.

Uman Agricultural Institute: Uman, Cherkassy Region, Ukrainian S.S.R.

Uzbek V. V. Kuibyshev Agricultural Institute: Ul. K. Marxa 83, Samarkand, Uzbek S.S.R.

Velikie Luki Agricultural Institute: Ploshchad im. Lenina, Velikie Luki, Pskovsk Region.

V. V. Dokuchayev Institute of Agriculture in the Central Black-earth Zone: Talovaya, Voronezh Region, R.S.F.S.R.

Volgagrad Agricultural Institute: Turkmenskaya 55, Volgagrad.

Voronezh Agricultural Institute: Ul. Michurina 1, Voronezh.

Yaroslavl Agricultural Institute: Ul. Volodarskogo 103, Yaroslavl.

Zhitomir Agricultural Institute: Zhitomir, Ukrainian S.S.R.

Zonal Research Institute for Agriculture in the North-east of the European part of the U.S.S.R.: Ul. Lenina 166a, Kirov, R.S.F.S.R.

(2) Mechanisation and Electrification

All-Union Research Institute of Agricultural Engineering: Moscow I-411; Dir. A. Bujanov.

All-Union Research Institute for the Electrification of Agriculture: Herzen St. 21, Moscow J-389, U.S.S.R.

All-Union Research Institute for the Mechanisation of Agriculture: 2 Institutskaya, Moscow, Zh-389.

Azov-Black Sea Institute of Mechanisation and Electrification of Agriculture: Zernovoi, Rostovsk. obl.

Chelyabinsk Institute of Mechanisation and Electrification of Agriculture: Krasnaya Ul. 38, Chelyabinsk.

Kharkov Institute of Mechanisation of Agriculture: Kharkov, Ukrainian S.S.R.

Leningrad Institute of Mechanisation of Agriculture: Ul. Khalturina 5, Leningrad.

Melitopol Institute of Mechanisation of Agriculture: B. Khmelnitsky 18, Melitopol, Ukrainian S.S.R.

Minsk Institute of Mechanisation of Agriculture: Minsk, Byelorussian S.S.R.

Saratov M. I. Kalinin Institute of Mechanisation of Agriculture: Sovetskaya Ul. 60, Saratov.

Taganrog Institute of Mechanisation of Agriculture: Ul. Chekhova 22, Taganrog.

Tashkent Institute of Mechanisation of Agriculture: Uchitelskaya 29, Tashkent, Uzbek S.S.R.

(3) Land Improvement

All-Union Research Institute for Hydrotechnics and Melioration: Ul. Prianishnikova 19, Moscow A-8, R.S.F.S.R.

Kiev Hydro-melioration Institute: Reiterskaya Ul. 37, Kiev, Ukrainian S.S.R.

Kuibyshev Institute of Land-Improvement Engineering: Kinel, Kuibyshevsk. obl.

Moscow V. R. Williams Institute of Water Engineering: Ul. Pryanishnikova 19, Moscow.

Novocherkassk Institute of Hydro-melioration: Pushkinskaya 111, Novocherkassk, Rostovsk. obl.

Ukraine Institute of Water Conservation: Rovno.

Ukrainian Research Institute of Hydrotechnics and Land Improvement: Vasilkovskaya 59, Kiev 22, Ukrainian S.S.R.

(4) Zootechnical, Veterinary Science and Livestock Breeding

All-Union Institute of Experimental Veterinary Science: Kuzminki, near Moscow, U.S.S.R.

All-Union Research Institute of Animal Husbandry: Dubrovitsy, near Podolsk, Moscow Region, R.S.F.S.R.

All-Union Research Institute of Veterinary Sanitation: Zvenigorodskoye Chaussee 5, Moscow D-22, U.S.S.R.

All-Union Stockbreeding Research Institute: Ul. 8 Marta 3, Moscow.

Alma-Ata Zootechnical and Veterinary Institute: Arychnaya 46, Alma-Ata, Kazakh S.S.R.

Azerbaidzhanian Research Institute of Livestock Breeding: Kirovabad, Azerbaidzhanian S.S.R.

Buryat Zootechnical and Veterinary Institute: Ul. Kalandarshvili 18, Ulan-Ude, Buryat, A.S.S.R.

Eastern Kazakhstan Livestock-breeding Experimental Station: Ul. Ordzhonikidze 7, Semipalatinsk, Kazakh S.S.R.

Erevan Zootechnical and Veterinary Institute: Ul. Nalbandyana 128, Erevan, Armenian S.S.R.

Georgian Zootechnical and Veterinary Institute: Tbilisi, Georgian S.S.R.

Kalinin Regional Livestock-breeding Experimental Station: Andreyevskoye, Kalinin Region, R.S.F.S.R.

Kazan N. E. Bauman Veterinary Institute: Vetgorodok, Kazan, Tatar A.S.S.R.

Kharkov Zootechnical and Veterinary Institute: pos. Dergazhy, Kharkov, Ukrainian S.S.R.

Leningrad Veterinary Institute: Chernigovskaya 5, Leningrad 28, R.S.F.S.R.

Lithuanian Veterinary Academy: Ul. Tilnele 18, Kaunas, Lithuanian S.S.R.

Lvov Zootechnical and Veterinary Institute: Lvov, Ukrainian S.S.R.

Moscow Veterinary Academy: Kuzminki, Moscow.

Novocherkassk "1st Mounted Army" Zootechnical and Veterinary Institute: Podtelkovsky Prospect 35, Novocherkassk, Rostovsk. obl.

Omsk Veterinary Institute: Oktiabrskaya Ul. 92, Omsk.

Saratov Zootechnical and Veterinary Institute: B. Sadovaya 220, Saratov.

Semipalatinsk Institute of Zootechnics and Veterinary Science: Semipalatinsk, Kazakh S.S.R.

Troitsk Veterinary Institute: Ul. Prosvestshenia 1, Troitsk, Chelyabinsk. obl.

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Vitebsk Veterinary Institute: Ul. Dovatora 7/11, Vitebsk, Byelorussian S.S.R.

Voronezh Zootechnical and Veterinary Institute: Ul. Ordzhonikidze 26, Voronezh.

(5) Forestry

All-Union Scientific Research Institute for Agro-forestry Melioration: ulitsa Bogatyrskogo mosta, 13, Moscow B. 13.

All-Union Scientific Research Institute of Forestry and the Mechanisation of Forestry: Pushkino, Moscow Region.

Bryansk Forestry Institute: Sovetskaya 18, Bryansk.

Krasnoyarsk Forestry Institute: Krasnoyarsk.

Ukrainian Scientific Research Institute of Forestry Economy and Agro-forestry Melioration: ulitsa Pushkinskaya 86, Kharkov, Ukrainian S.S.R.

Voronezh Forestry Institute: Ul. Timiryazeva 8, Voronezh.

(6) Other Agricultural Institutes

All-Union K. K. Gedroits Institute of Manures: Moscow.

All-Union Scientific Research Institute of Agricultural Micro-biology: ulitsa Herzena 42, Leningrad *and* Konyushkovskaya 31, Moscow.

All-Union Scientific Research Institute of Bast crops: Sumi Region, Glukhov.

All-Union Scientific Research Institute of Cotton-growing: Pushkinskaya 41, Tashkent.

All-Union Scientific Research Institute of Grain and its By-products: 9 Dmitrovskoye shosee, Moscow 8.

All-Union Scientific Research Institute of the Milk Industry: 35 Lusinovskaya, Moscow 193.

All-Union Scientific Research Institute for Fertilisers, Agro-technics, and Agro-soil Science: Akademichesky proyezd 1, Moscow 8 *and* ulitsa Herzena 42, Leningrad.

All-Union Scientific Research Institute for Oil and Essential Oil Crops: Kruglik 1, Krasnodar.

All-Union Scientific Research Institute for Plant-growing: ulitsa Herzena 44, Leningrad.

All-Union Scientific Research Institute for Sugar Beet: Klinicheskaya 25, Kiev 110.

All-Union V. R. Williams Fodder Research Institute: Lugovaya, Moscow.

Michurinsk I. V. Michurin Institute of Horticulture: Pl. 25 Oktyabrya 3, Michurinsk, Tambovsk. obl.

Moscow Institute of Land Management: Ul. Kazakova 15, Moscow.

Potato Research Institute: p.o. Malakhovka, Moskovsk.-Ryazansk. zh. d., Moscow.

Scientific Research Institute of Polar Agriculture, Livestock Breeding and Co-operative Economy: Rakova, Leningrad.

Scientific Research Institute for Vegetable Growing of the R.S.F.S.R. Ministry of Agriculture: Grachi, Perlovskaya, Moscow Region.

Siberian Scientific Research Institute for Grain-Growing: Omsk.

Ukrainian Horticultural Research Institute: Kitayevo, Kiev, Ukrainian S.S.R.

Ukrainian Scientific Research Institute for Fruit-growing: Kitayevo, Kiev.

Ukrainian Scientific Research Institute of Corn: Dzerzhinsky Street 14, Dnepropetrovsk.

Ukrainian Scientific Research Institute of Vegetable Production: Chaikovsky Street, Kharkov, Ukrainian S.S.R.

CINEMATOGRAPHY

All-Union State Institute of Cinematography: Tretii Selskochosyaistveny Proesd 3, Moscow.

Leningrad Institute for Film Engineers: Ul. Pravdy 13, Leningrad.

ECONOMICS

(1) General Economics and Planning

Azerbaijan K. Marx State Institute of the National Economy: Pr. Kirova 16, Baku, Azerbaijan S.S.R.

Byelorussian V. V. Kuibyshev State Institute of the National Economy: Ul. Sverdlova 3, Minsk, Byelorussian S.S.R.

Kuibyshev Institute of Planning: Molodogvardeiskaya 194, Kuibyshev.

Moscow G. V. Plekhanov Institute of the National Economy Stremyanny per. 28, Moscow.

Moscow State Institute of Economics: Ul. Zatsepa 41, Moscow.

Saratov Economics Institute: Pl. Revolyutsii 11, Saratov.

(2) Trade

All-Union Extra-Mural Institute of Soviet Trade: Kuznetsky most 14, Moscow; has branches in Leningrad Kuibyshev, Saratov, Sverdlovsk, Minsk, Simferopol, Novosibirsk, Khabarovsky, Tbilisi, Kiev, Kharkov, Baku, Alma-Ata, Riga, Erevan, Tashkent. Affiliated Bodies: Alma-Ata, Voronezh, Kazan, Irkutsk, Kishinov, Kuibyshev, Moscow, Novosibirsk, Rostov, Sverdovsk.

Donetsk Institute of Soviet Trade: Ul. Shcharsa 31, Donetsk.

Kharkov Institute of Soviet Trade: Pl. Teveleva 11, Kharkov, Ukrainian S.S.R.

Leningrad F. Engels Institute of Soviet Trade: Kuznechny per. 9, Leningrad.

Lvov Institute of Trade Economics: Ul. Chkalova 10, Lvov, Ukrainian S.S.R.

Moscow Co-operative Institute: Perlovka, Ul. Vtoraya Voksalnaya 12.

Novosibirsk Institute of Soviet Co-operative Trade: Karl-Marx Pr. 24, Novosibirsk.

Samarkand V. V. Kuibyshev Institute of Soviet Trade: Kommunisticheskaya Ul. 47, Samarkand, Uzbek S.S.R.

(3) Finance

All-Union Extra-Mural Institute of Finance: Kuznetsky Most 15, Moscow.

Irkutsk Institute of Economics and Finance: Ul. Lenina 11, Irkutsk.

Kazan V. V. Kuibyshev Institute of Economics and Finance: Ul. Butlerova 4, Kazan, Tatar A.S.S.R.

Kiev Institute of National Economy: Brest-Litovskoye Shosse 116a, Kiev, Ukrainian S.S.R.

Leningrad Institute of Economics and Finance: Kanal Griboyedova 30/32, Leningrad.

Moscow Institute of Finance: Pervaya Yaroslavskaya 3, Moscow.

Odessa Institute of Economics and Credit: Ul. Sovietskoy Armii 8, Odessa, Ukrainian S.S.R.

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Rostov Institute of Economics and Finance: Ul. Fridrikha Engelsa 77, Rostov-on-Don.

Tashkent Institute of Economics and Finance: Ul. Aria-Paya, pr. Kyrgul 10, Tashkent, Uzbek S.S.R.

(4) STATISTICS

Moscow Institute of Economics and Statistics: Savinsky per. 14, Moscow.

FOREIGN LANGUAGES

Alma-Ata Pedagogical Institute of Foreign Languages: Komsomolskaya 84, Alma-Ata, Kazakh S.S.R.

Azerbaijan Pedagogical Institute of Foreign Languages: Ul. L. Schmidt 58, Baku, Azerbaijan S.S.R.

Gorky Pedagogical Institute of Foreign Languages: Ul. Minina 31a, Gorky.

Gorlovka Pedagogical Institute of Foreign Languages: Institutskaya Ul. 42, Gorlovka, Ukraine.

Irkutsk Pedagogical Institute of Foreign Languages: Ul. Lenina 12, Irkutsk.

Kiev Pedagogical Institute of Foreign Languages: Krasnoarmeiskaya Ul. 73, Kiev.

Minsk Pedagogical Institute of Foreign Languages: Ul. Zakharova 21, Minsk.

Moscow State Pedagogical Institute of Foreign Languages: Metrostroyevskaya 38, Moscow.

Stavropol Pedagogical Institute of Foreign Languages: Ul. Dzerzhinskogo 120, Stavropol-Krayev.

Tashkent Pedagogical Institute of Foreign Languages: Sapernaya Ul. 11, Tashkent.

Tbilisi Pedagogical Institute of Foreign Languages: 45 Ilya Chavchavadze Avenue, Tbilisi.

GEOLOGY, METEOROLOGY AND HYDROLOGY

Arctic and Antarctic Scientific Research Institute: Fontanka 34, Leningrad D-104.

All-Union Geological Research Institute: Leningrad.

All-Union Mendeelev Meteorological Research Institute: Moskovski Prospekt 19, Leningrad.

All-Union Scientific Research Institute of Hydrology and Engineering Geology: Pyzhevsky perevlok 7, Moscow.

Central Aerological Observatory: Dolgoprudnaya, Moscow.

Central Geophysical Observatory of the U.S.S.R.: Leningrad; f. 1849.

Central Institute of Weather Forecasting: Bolshevistskaya 13, Moscow.

Central Research Institute for Geodesy, Aerial Photography and Cartography: Gorokhovsky per. 4, Moscow.

Leningrad Hydrological Institute: Zanevsky 5, Leningrad.

Leningrad Hydro-Meteorological Institute: Malo-Okhtensky Prospekt 98, Leningrad, K-196.

Moscow S. Ordzhonikidze Institute of Geological Research: Karl Marx Avenue 18, Moscow.

Odessa Hydro-Meteorological Institute: Ul. Chkalova 2a, Odessa, Ukrainian S.S.R.

State Institute of Oceanography: Kropotkinsky per. 6, Moscow.

GRAPHIC ARTS

Kharkov State Art Institute: Ul. Krasnoznamyennaya 8, Kharkov, Ukrainian S.S.R.

Kiev State Art Institute: Ul. Smirnova-Lastochkina 20, Kiev, Ukrainian S.S.R.

Leningrad Red Banner Institute of Painting, Sculpture and Architecture (Repin Institute): Universitetskaya, Naberezhnaya 17, Leningrad.

Leningrad School of Industrial Art: Solyanov per. 13, Leningrad.

Lvov State Institute of Applied and Decorative Art: Ul. Snopkovskaya 47, Lvov.

Moscow (formerly **Stroganov**) **School of Industrial Art:** Volokolamskoye Shosse 9, Moscow.

Moscow State Art Institute (Surikov Institute): Tovarishchesky Pereulok 30, Moscow.

Moscow Institute of Architecture: Ul. Zhdanova 11, Moscow.

State Academy of Arts of the Latvian S.S.R.: Bd. Kommunarov 13, Riga, Latvian S.S.R.

State Art Institute of the Lithuanian S.S.R.: Ul. Tiesos 4, Vilnius, Lithuanian S.S.R.

State Institute of Art of the Estonian S.S.R.: Tartu Maantee 1, Tallinn, Estonian S.S.R.

Tbilisi Academy of Arts: Ul. Griboyedova 22, Tbilisi, Georgian S.S.R.

INDUSTRY AND PUBLIC WORKS

(1) POLYTECHNICS AND GENERAL INDUSTRIAL INSTITUTES

All-Union Extra-Mural Polytechnic: Mazutny pr. 22, Moscow.

Altai Polytechnic Institute: Prospekt Lenina 61, Barnaul.

Azerbaijan M. Azizbekov Industrial Institute (Order of the Red Banner of Labour): Ul. Lenina 22, Baku, Azerbaijan S.S.R.

Azerbaijan Polytechnic Institute: Prospekt Narimanov 25, Baku, Azerbaijan.

Byelorussian Polytechnic: Minsk, Byelorussian S.S.R.

Central Asian Polytechnic: Asakinskaya 16, Tashkent, Uzbek S.S.R.

Chelyabinsk Polytechnic: Ul. Spartaka 90, Chelyabinsk.

Donets N. S. Khrushchev Industrial Institute (Order of the Red Banner of Labour): Ul. Artema 58, Donetsk, Ukrainian S.S.R.

Dushanbe Polytechnical Institute: Ul. Kuibysheva 5, Dushanbe.

Erevan K. Marx Polytechnic: Ul. Teryana 105, Erevan. Armenian S.S.R.

Far-Eastern V. V. Kuibyshev Polytechnic: Pushkinskaya 10, Vladivostok.

Frunze Polytechnic Institute: Ul. Yodoloko-Moldo 17, Frunze, Kirghiz S.S.R.

Georgian S. M. Kirov Industrial Institute: Ul. Ushangi Chkheidze 8, Tbilisi, Georgian S.S.R.

Gorky A. A. Zhdanov Polytechnic: Ul. Minina 24, Gorky.

Kaunas Polytechnic Institute: Ul. Donelaichio 35, Kaunas, Lithuania.

Kiev Polytechnic: Brestskoye Chaussee 39, Kiev, Ukrainian S.S.R.

Kharkov Polytechnic Institute (Lenin): Ul. Frunze 21, Kharkov, Ukraine.

Komsomolsk-na-Amure Evening Polytechnic Institute: Prospekt Lenina 27, Komsomolsk-na-Amure, Khabarovsk.

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Krasnoyarsk Polytechnic Institute: Krasnoyarsk.

Kuibyshev V. V. Kuibyshev Industrial Institute: Ul. Kuibyshevskaya 153, Kuibyshev.

Leningrad Extra-Mural Industrial Institute: Moskovsky pr. 24, Leningrad.

Leningrad M. I. Kalinin Polytechnic: Politeknicheskaya Ul. 3, Leningrad.

Lvov Polytechnic: Ul. Stalina 12, Lvov, Ukrainian S.S.R.

Nizhny Tagil Industrial Institute: Ulyanovskaya 2, Nizhny Tagil, Sverlovsk. obl.

North-West Extra-Mural Polytechnic Institute: Ul. Khalturina 5, Leningrad.

Novocherkassk S. Ordzhonikidze Polytechnic: Ul. Prosveshchenia 120, Novocherkassk, Rostovsk, obl.

Odessa Polytechnic: Novo Arkadievskaya Ul. 1, Odessa, Ukrainian S.S.R.

Penza Polytechnical Institute: Krasnaya 40, Penza.

Riga Polytechnic Institute: Ul. Lenina 1, Riga, Latvia.

Saratov Polytechnic Institute: Krainyaya Ul. 77, Saratov.

Tallinn Polytechnic: Ul. Kalinina 101, Tallinn, Estonian S.S.R.

Tomsk S. M. Kirov Polytechnic (Order of the Red Banner of Labour): Pr. Timiryazeva 9, Tomsk.

Ukraine Extra-Mural Polytechnic Institute: Universitetskaya Ul. 16, Kharkov, Ukraine.

Ulyanovsk Evening Polytechnic Institute: Moskovskaye Chaussee 29, Ulyanovsk.

Urals S. M. Kirov Polytechnic: Vtuzgorodok, Sverdlovsk.

Voronezh Evening Polytechnic Institute: Plekhanovskaya 13, Voronezh.

(2) Engineering and Mechanics

All-Union Extra-Mural Machine-Building Institute: Pyataya Balayevskaya Ul. 3, Moscow.

All-Union F. E. Dzerzhinsky Research Institute of Heat Engineering (Order of the Red Banner of Labour): Leninskaya sloboda 23, Moscow.

All-Union Research Institute of Water Supply, Drainage, Hydro-Engineering Works and Engineering Hydrogeology: B. Kochki 17a, Moscow.

Altai Agricultural Engineering Institute: Internatsionalnaya 26, Barnaul. Altaisk. kr.

Briansky Institute of Transport Machine-Building: Briansk, Institutskaya Ul. 16.

Central Research Institute of Technology and Engineering: Sharikopodshipnikovaya 2, Moscow.

Chelyabinsk Institute of Mechanical Engineering Ul. Spartaka 44, Chelyabinsk.

Experimental Research Institute of Metal-Cutting Machine Tools: 5-y Donskoy pr. 21b, Moscow.

Kharkov Institute of Mechanical Engineering: Krasnoznamennaya 16, Kharkov, Ukrainian S.S.R.

Leningrad Institute of Mechanics (Order of the Red Banner of Labour): 1-aya Krasnoarmeyskaya Ul. 1/21, Leningrad.

Leningrad Institute of Precision Mechanics and Optics: per. Grivtseva 14, Leningrad.

Leningrad Shipbuilding Institute: Lotsmanskaya 3, Leningrad.

Moscow Engineering-Physical Institute: Ul. Kirova 21, Moscow.

Moscow Evening Institute of Engineering: Shabolovka 24a, Moscow.

Moscow Institute of Automechanics: B. Semyonovskaya 38, Moscow.

Moscow Machine Tools Institute: Vadkovsky per. 3a, Moscow.

Moscow N. E. Bauman Higher Technical School (Order of the Red Banner of Labour): 2-a Baumanskaya 5, Moscow.

Nikolayev Shipbuilding Institute: Ul. Komsomolskaya 24, Nikolayev, Ukrainian S.S.R.

Odessa Hydro-Engineering Institute: Ul. Didrikhsona 4, Odessa, Ukrainian S.S.R.

Omsk Engineering Institute: Ul. Dolgireva 60, Omsk.

Rostov Engineering Institute: Pos. Selmash 2, Rostov-on-Don.

State Union Scientific Research and Technological Institute for the Repair and Utilisation of Tractors and Agricultural Machinery: Plyuschevo, Moscow-Ryazan railway line.

Tula Institute of Mechanics: Ul. Kommunarov 154, Tula.

Volgagrad Civil Engineering Institute: Ul. Akademischeskaya 3, Volgagrad.

Volgagrad Institute of Mechanics: S.T.Z., d.608, Volgagrad.

Yaroslavl Technological Institute: Sovetskaya ul. 14, Yaroslavl.

Zaporozhe Machine-Building Institute: Ul. Zhukovskogo 64, Zaporozhe, Ukrainian S.S.R.

(3) Power and Electrical Engineering

All-Union Extra-Mural Institute of Power Engineering: Krasnokazarmennaya ul. 14, Moscow.

Ivanovo V. I. Lenin Institute of Power Engineering: Rabfakovskaya Ul. 34, Ivanovo.

Leningrad V. I. Lenin Institute of Electrical Engineering: Ul. Prof. Popova 5, Leningrad.

Moscow Institute of Power Engineering (Order of Lenin): Krasnokazarmennaya 17, Moscow.

Moscow Physico-Technical Institute: Dolgoprudnaya.

Novosibirsk Electro-Technical Institute: Prospect K. Marxa 23, Novosibirsk.

(4) Chemistry, Chemical Engineering and Technology

D. Y. Karpov Physcial Chemistry Institute: Ul. Obukha 10, Moscow.

Dnepropetrovsk F. E. Dzerzhinsky Institute of Chemical Technology: Lagernaya 2g, Dnepropetrovsk, Ukrainian S.S.R.

Ivanovo Institute of Chemical Technology: Ul. Lenina 5/10, Ivanovo.

Kazakhstan Technological Institute: Chimkent, Komsomolskaya Ul. 23, Kazakhstan.

Kazan S. M. Kirov Institute of Chemical Technology: Ul. K. Marxa 68, Kazan, Tatar A.S.S.R.

Leningrad Lensoviet Institute of Chemical Technology (Order of the Red Banner of Labour): Zagorodny pr. 49, Leningrad.

Leningrad Technological Institute of the Cellulose and Paper Industries: Novosibirskaya 4, Leningrad.

Moscow D. I. Mendeleyev Institute of Chemical Technology (Order of Lenin): Miusskaya pl. 9, Moscow.

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Moscow Institute of Chemical Engineering: Ul. K. Marxa 21/4, Moscow.

Moscow M. V. Lomonosov Institute of the Technology of Fine Chemicals: M. Pirogovskaya 1, Moscow.

State Institute of Applied Chemistry: Watnyi 2, Leningrad.

(5) Mining and Metallurgy

Azerbaijan Institute of Oil and Chemistry (Azizoekov Institute): Prospekt Lenina 20, Baku, Azerbaijan.

Central Iron and Steel Research Institute: Tekhnichesky per. 2, Moscow.

Dneprodzerzhinsk Arsenichev Institute of Metallurgy: Pr. Pelina 16, Dneprodzerzhinsk, Ukrainian S.S.R.

Dnepropetrovsk F. A. Artem Mining Institute: Prospekt K. Marxa 21, Dnepropetrovsk, Ukrainian S.S.R.

Dnepropetrovsk Metallurgical Institute: Lagernaya 2, Dnepropetrovsk, Ukrainian S.S.R.

Donets Coal Research Institute of the Ukranian Ministry of Coal: Ulitsa Artema 114, Donetsk, Ukrainian S.S.R.

Fedorov Mining Institute of the Ukrainian Republic's Academy of Sciences: Repin street, Kiev, Ukrainian S.S.R.

Irkutsk Mining and Metallurgical Institute: Ul. K. Zvezdy 5, Irkutsk.

Kalinin Peat Institute: Prospekt Lenina 25, Kalinin.

Karaganda Mining Institute: Boul. Mira 2, Karaganda.

Kazakh Polytechnic Institute: Pl. Lenina 90, Alma Ata, Kazakh S.S.R.

Kemerovo Mining Institute: Kemerovo.

Kharkov Institute of the Mining Industry: Pr. Lenina 14, Kharkov, Ukrainian S.S.R.

Krasnoyarsk Non-ferrous Metals Institute (Kalinin Institute): Krasnoyarsk.

Krivoy Rog Ore Mining Institute: Pushkinskaya ul. 37, Krivoy Rog, Ukrainian S.S.R.

Leningrad Mining Institute (Order of Lenin and Red Banner of Labour): line 21, N.2, Leningrad 26.

Magnitogorsk G I. Nosov Mining and Metallurgical Institute: Lenin Ave., 38, Yezhovka Magnitogorsk.

Moscow Evening Institute of Metallurgy: 2-y Prolomny pr. 1, Moscow.

Moscow Mining Institute: Leninsky prospekt 6, Moscow.

Moscow Steel Institute (Order of the Red Banner of Labour): Leninsky prospekt 6, Moscow.

Moscow M. I. Kalinin Institute of Non-Ferrous Metals and Gold: Krimsky val. 3, Moscow.

North Caucasus Mining and Metallurgical Institute: Vtuzgorodok, Ordzhonikidze, North Ossetian A.S.S.R.

Perm Mining Institute: Komsomolski pr. 51-1, Perm.

Siberian S. Ordzhonikidze Metallurgical Institute: Rudokoprovaya 49, Novokuznetsk, Kemerovsk. obl.

Sverdlovsk V. V. Vachrusheva Mining Institute: Pr. Kuibysheva 30, Sverdlovsk.

Tula Mining Institute: Ul. Kommunarov 158, Tula.

Voroshilovsk Institute of Mining and Metallurgy: 48 Prospekt Mira, Kommunarsk, Lugansk Region, Ukraine.

Zhdanov Metallurgical Institute: Ul. Apatova 115, Zhdanov, Ukrainian S.S.R.

(6) Petroleum and Peat

Grozny Petroleum Institute (Order of the Red Banner of Labour): Pl. Ordzhonikidze 100, Grozny.

Moscow I. M. Gubkin Petroleum Institute (Order of the Red Banner of Labour): Leninsky prospekt 6, Moscow.

Moscow Peat Institute: B. Vuzovsky per. 3/12, Moscow.

Ufa Petroleum Institute: Ul. Kosmonavtov 6, Chernikhovk, Bashkir A.S.S.R.

(7) Building and Building Materials

All-Union Extra-Mural Institute of Building Materials: Sredni-Kalitnikovskaya Ul. 30, Moscow.

All-Union Research Institute of Building Ceramics: Moscow.

Chimkent Institute of the Building Industry: Sovetskaya 28, Chimkent, Kazakh S.S.R.

Dnepropetrovsk Institute of Constructional Engineering: Ul. Chernyshevskogo 24a, Dnepropetrovsk, Ukrainian S.S.R.

Gorky V. P. Chkalov Institute of Constructional Engineering: Krasnoflotskaya 65, Gorky.

Kazan Institute of Constructional Engineering: Zelyenaya Ul. 1, Kazan.

Kharkov Institute of Constructional Engineering: Ul. Sumskaya 40, Kharkov, Ukrainian S.S.R.

Kharkov Institute of Municipal Engineering: Ul. Revolyutsii 12, Kharkov, Ukrainian S.S.R.

Kiev Institute of Civil Engineering: Bd. Tarasa Shevchenko 86, Kiev, Ukrainian S.S.R.

Kuibyshev A. I. Mikoyan Institute of Constructional Engineering: Molodogvardeyskaya 194, Kuibyshev.

Leningrad Institute of Civil Engineering (Order of the Red Banner of Labour): Pr. Moskovsky 29, Leningrad.

Moscow Mosgorispolkom Institute of Building: Shlyuzovaya nab. 8, Moscow.

Moscow V. V. Kuibyshev Institute of Constructional Engineering (Order of the Red Banner of Labour): Spartakovskaya 2, Moscow.

Novosibirsk V. V. Kuibyshev Institute of Constructional Engineering: Ul. Leningradskaya 57, Novosibirsk.

Penza Engineering and Building Institute: Penza.

Poltava Institute of Constructional Engineering: Pr. 1 Maya 24, Poltava, Ukrainian S.S.R.

Rostov Institute of Constructional Engineering: Sotsialisticheskaya 150, Rostov-on-Don.

Tomsk Institute of Constructional Engineering: Ul. Solyanaya 2, Tomsk.

Ust-Kamenogorsk Road-building Institute: Ulbinskaya Naberezhnaya 4, Ust-Kamenogorsk, Kazakhstan.

Volgagrad Institute of Municipal Economics: Ul. Akademicheskaya 3, Volgagrad.

Voronezh Institute of Constructional Engineering: Ul. 20-letya Oktyabrya 146a, Voronezh.

(8) Textile and Other Light Industries

All-Union Extra-Mural Institute of the Textile and Light Industries: Vystavochny per. 2, Moscow.

Central Research Institute of the Leather and Footwear Industry: Pyatnitskaya ul. 74, Moscow.

Ivanovo Textile Institute: Ul. Lenina 15/8, Ivanovo.

Kiev Technological Institute of Light Industry: Ul. Nemirovicha-Danchenko 2, Kiev, Ukrainian S.S.R.

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Kostroma Textile Institute: Ul. Dzerzhinskogo 7, Kostroma.

Leningrad S. M. Kirov Textile Institute: Ul. Herzena 18, Leningrad.

Moscow Technological Institute of Light Industry: Ul. Osipenko 33, Moscow.

Moscow Textile Institute: Ul. Donskaya 62, Moscow.

Tashkent Textile Institute: Akademicheskaya 7, Tashkent, Uzbek S.S.R.

(9) Food Industry

All-Union Institute of the Food Industry: Ulyanovskaya Ul. D.30, Moscow.

Astrakhan Technical Institute of Fisheries and the Food Industry: Ul. Tatishcheva 16, Astrakhan.

Far-Eastern Technical Institute of the Fish Industry: Ul. Leninskaya 25, Vladivostok.

Kaliningrad Technical Institute of the Fishing Industry: Sovietsky Prospekt, Kaliningrad.

Kiev A. I. Mikoyan Technological Institute of the Food Industry: Vladimirskaya 68, Kiev, Ukrainian S.S.R.

Krasnodar Institute of the Food Industry: Ul. Krasnaya 135, Krasnodar.

Leningrad Refrigeration Institute: Ul. Lomonosova 9, Leningrad.

Leningrad Technological Institute of the Food Industry: Moskovsky 106, Leningrad.

Moscow A. I. Mikoyan Technical Institute of Fisheries and the Fish Industry: Pryanishnikova 2a, Moscow.

Moscow Technological Institute of the Dairy Industry: Talalikhina 33, Moscow.

Moscow Technological Institute of the Food Industry: Volokolamskoye Chaussee 21/25, Moscow.

Odessa Institute of the Milling Industry: Ul. Sverdlova 112, Odessa, Ukrainian S.S.R.

Odessa Technological Institute of the Canning and Refrigeration Industry: Ul. Petra Velikogo 1/3, Odessa, Ukrainian S.S.R.

Vologda Dairy Institute: Molochnoye, pr. Schmidta 2, Vologda.

Voronezh Technological Institute: Prospekt Revolutsii 23, Voronezh.

(10) Timber Industry

All-Union Extra-Mural Technical Institute of the Timber Industry: Instititskyi per. 3, Leningrad.

Archangel V. V. Kuibyshev Technical Institute of the Timber Industry: Archangel.

Byelorussian S. M. Kirov Technical Institute of the Timber Industry: Sverdlova 85, Minsk, Byelorussian S.S.R.

Leningrad S. M. Kirov Technical Institute of the Timber Industry: Institutskyi per. 5, Leningrad.

Lvov Technical Institute of the Timber Industry: Lvov, Ul. Pushkinskaya 103, Ukrainian S.S.R.

Moscow Technical Institute of the Timber Industry: St. Stroyitel, Severnoy zh. d., Moskovskaya obl.

Siberian Technical Institute of the Timber Industry: Krasnoyarsk.

Urals Technical Institute of the Timber Industry: Sibirskiy Trakt 5-y kilometre, Sverdlovsk.

Volga A. M. Gorky Technical Institute of the Timber Industry: Ul. Sovetskaya 152, Ioshkar-Ola, Mari A.S.S.R.

(11) Other Industries

All-Union Thermal Engineering Institute: Moscow.

Moscow Extra-Mural Institute of Printing: Proyesd Syerova 5, Moscow.

Moscow Institute of Printing: Prianischnikova 2-a, Moscow A-8.

Ukrainian Institute of Printing: Podvalnaya 17, Lvov, Ukrainian S.S.R.

(12) Institutes for Engineer-Economists

Kharkov Institute for Engineer-Economists: Pr. Lenina 9, Kharkov, Ukrainian S.S.R.

Leningrad Institute for Engineer-Economists: Ul. Marata 27, Leningrad.

Moscow S. Ordzhonikidze Institute for Engineer-Economists: Podsosensky per. 20, Moscow.

LAND SURVEYING AND CARTOGRAPHY

Moscow Institute for Engineers in Geodesy, Aerial Photography and Cartography: Gorokhovsky per. 4, Moscow.

Novosibirsk Institute for Engineers in Geodesy, Aerial Photography and Cartography: Ul. Potaninskaya 27, Novosibirsk.

LAW

All-Union Extra-Mural Law Institute: Ul. F. Engels 3/5, Moscow.

Kharkov Law Institute: Pushkinskaya ul. 77, Kharkov, Ukrainian S.S.R.

Saratov D. I. Kursky Law Institute: Ul. M. Gorkogo 45, Saratov.

Sverdlovsk Law Institute: Ul. Malysheva 2-b, Sverdlovsk.

LIBRARIANSHIP AND ARCHIVES

Kharkov Institute of Librarianship: Bursazky Spusk 4, Kharkov, Ukrainian S.S.R.

Leningrad N. K. Krupskaya Institute of Librarianship: Dvortsevaya Nab. 4, Leningrad; 5,100 students, including 550 in the Faculty of Librarianship, 750 in the evening section and over 3,300 in the correspondence section; library of 250,000 vols.; 13 professors.

Moscow Institute for Historian-Archivists: Ul. 25 Oktyabrya 15, Moscow.

Moscow Institute of Librarianship: Pl. Levoberezhnaya, Oktyabrsk. zh. d., Moscow.

LITERATURE

Moscow Literary Institute of the Union of Soviet Writers: Tversk. Bd. 25, Moscow.

MEDICINE

(1) General Medicine

Aktiubinsk State Medical Institute: Ul. Lenina 78, Aktiubinsk.

Alma-Ata Medical Institute: Komsomolskaya Ul. 96, Alma-Ata.

Altai Medical Institute: Ul. Lenina 40, Barnaul.

Andizhan Medical Institute: Andizhan, Uzbek S.S.R.

Archangel Medical Institute: Ul. Vinogradova 51, Archangel.

Astrakhan Medical Institute: Ul. Mekhnikova 12, Astrakhan.

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Azerbaijan Medical Institute: Ul. Karganova 13, Baku, Azerbaijan S.S.R.

Bashkir "15th Anniversary of the Komsomol" Medical Institute: Ul. Lenina 1 Ufa, Bashkir A.S.S.R.

Blagovestshensk State Medical Institute: Ul. Leninskaya 124 Blagovestshensk-on-Amur.

Chelyabinsk Medical Institute: Ul. Kommuny 35, Chelyabinsk.

Chernovtsy Medical Institute: Teatralnaya pl. 5, Chernovtsy, Ukrainian S.S.R.

Chita Medical Institute: Ul. Chkalova 126, Chita.

Crimean Medical Institute: Bd. Lenina 5/7, Simferopol, Ukrainian S.S.R.

Daghestan Medical Institute: Ploshchad im Lenina, Makhachkala, Daghestan A.S.S.R.

Dnepropetrovsk Medical Institute: Ul. Dzerzhinskogo 9, Dnepropetrovsk, Ukrainian S.S.R.

Donetsk Medical Institute: Kalinovka, Makeevskoe Shosse, Donetsk, Ukrainian S.S.R.

Dushanbe Medical Institute: Ul. Kirova 68/87, Dushanbe, Tajik S.S.R.

Erevan Medical Institute: Ul. Kirova 2, Erevan, Armenian S.S.R.

Gorky S. M. Kirov Medical Institute: Pl. Minina i Pozharskogo 10/1, Gorky.

Grodno State Medical Institute: Ul. Ozheshko 1, Grodno.

Irkutsk State Medical Institute: Ul. Krasnogo Vosstania 1, Irkutsk.

Ivanovo Medical Institute: Ul. Engelsa 8, Ivanovo.

Izhevsk Medical Institute: Revolyutsionnaya 199, Izhevsk, Udmurt A.S.S.R.

Kalinin Medical Institute: Sovietskaya ul. 4, Kalinin.

Karaganda State Medical Institute: Ul. Kirova 18, Karaganda, Kazakh S.S.R.

Kaunas Medical Institute: Ul. Mitskevichaus 9, Kaunas, Lithuanian S.S.R.

Kazakh Medical Institute: Ul. Furmanova 54, Alma-Ata, Kazakh S.S.R.

Kazan Medical Institute: Ul. Butlerova 49, Kazan, Tatar, A.S.S.R.

Kemerovo Medical Institute: Ul. 40 Let Oktyabrya 1, Kemerovo Region.

Khabarovsk Medical Institute: Ul. K. Marxa 34, Khabarovsk.

Kharkov Medical Institute: Ul. Sumskaya 1, Kharkov, Ukrainian S.S.R.

Kiev A. A. Bogomolets Medical Institute (Order of the Red Banner of Labour): Bd. Shevchenko 18, Kiev, Ukrainian S.S.R.

Kirgiz Medical Institute: Ul. Sportivnaya 1, Frunze, Kirgiz S.S.R.

Kishinev Medical Institute: Pr. Lenina 165, Kishinev, Moldavian S.S.R.

Kislovodsk Medical Institute: Kislovodsk, Stavropolsk. kr.

Krasnoyarsk Medical Institute: Ul. K. Marksa 124, Krasnoyarsk.

Kuban "Red Army" Medical Institute: Ul. Sedina 4, Krasnodar.

Kursk Medical Institute: Ul. K. Marxa 3, Kursk.

Kuibyshev Medical Institute: Ul. Chapaevskaya 89, Kuibyshev.

1st Leningrad I. P. Pavlov Medical Institute: Ul. L. Tolstogo 6/8, Leningrad.

Leningrad Institute of Sanitation and Hygiene: Ul. Kurakina 1/3, Leningrad.

Leningrad Medical Pediatrics Institute: Litovskaya ul. 2, Leningrad.

Lugansk State Medical Institute: Oboronnaya ul. 1, Lugansk, Ukrainian S.S.R.

Lvov State Medical Institute: Ul. Pekarskaya 71, Lvov, Ukrainian S.S.R.

Minsk State Medical Institute: Ul. Universitetskaya 2, Minsk, Byelorussian S.S.R.

1st Moscow Medical Institute (Order of Lenin): B. Pirogovskaya 2/6, Moscow.

2nd Moscow J. V. Stalin Medical Institute: M. Pirogovskaya 1, Moscow.

Moscow Medical Institute of the Health Ministry of the R.S.F.S.R.: B. Gruzinskaya 10, Moscow.

North Ossetian Medical Institute: Pushkinskaya 40, Ordzhonikidze, North Ossetian A.S.S.R.

Novosibirsk Medical Institute: Krasny pr. 68, Novosibirsk.

Odessa N. I. Pirogov Medical Institute: Meditsinsky per. 2, Odessa, Ukrainian S.S.R.

Omsk M. I. Kalinin Medical Institute: Ul. Lenina 9, Omsk.

Orenburg Medical Institute: Sovietskaya Ul. 6, Orenburg.

Perm Medical Institute: Kommunisticheskaya ul. 26, Perm.

Riga Medical Institute: Sovetsky Bd. 12, Riga, Latvian S.S.R.

Rostov Medical Institute: Nakhichevansky pr. 31a, Rostov-on-Don.

Ryazan I. P. Pavlov Medical Institute: Mayakovskogo 7, Ryazan.

Samarkand I. P. Pavlov Medical Institute: Ul. Kommunisticheskaya 35, Samarkand, Uzbek S.S.R.

Saratov Medical Institute: Ul. 20-letya VLKSM 112, Saratov.

Semipalatinsk Medical Institute: Semipalatinsk.

Smolensk Medical Institute: Ul. Glinki 3, Smolensk.

Stanislav Medical Institute: Ul. 1 Maya 7, Stanislav, Ukrainian S.S.R.

Stavropol Territorial Medical Institute: Ul. Pavla Morozova 8, Stavropol-Kavkazsky.

Sverdlovsk Medical Institute: Ul. Repina 3, Sverdlovsk.

Tashkent Medical Institute: Ul. K. Marxa 85, Tashkent, Uzbek S.S.R.

Tbilisi Medical Institute: Ul. Melikishvili 10, Tbilisi-Georgian S.S.R.

Ternopol State Medical Institute: Teatalnaya Pl. 2, Ternopol.

Tomsk Medical Institute: Moskovsky Tract 2, Tomsk.

Turkmenian State Medical Institute: Novaya ul. 10, Ashkhabad, Turkmenian S.S.R.

Ukrainian Filatov Experimental Institute for Diseases of the Eyes: Proletarskii Bul'var 49/51, Odessa, Ukrainian S.S.R.

Vinnitsa Medical Institute: Ul. Severny Prospect 2, Vinnitsa, Ukrainian S.S.R.

Vitebsk Medical Institute: Ul. Krylova 5, Vitebsk, Byelorussian S.S.R.

Vladivostok Medical Institute: Sverny Prospect 2, Vladivostok.

Volgograd Medical Institute: Pavshikh Bortsov 1, Volgograd.

Voronezh Medical Institute: Studentcheskaya ul. 10, Voronezh.

Yaroslavl Medical Institute: Revolutsionnaya ul. 5, Yaroslavl.

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(2) Pharmacology

Kharkov Pharmacological Institute: Ul. Melnikova 12, Kharkov, Ukrainian S.S.R.

Leningrad Pharmacological Institute: Ul. Popova 14, Leningrad.

Moscow Pharmacological Institute: Suvorovsky Bd. 13, Moscow.

Odessa Pharmacological Institute: Ul. Krasnoy Gvardii 17, Odessa, Ukrainian S.S.R.

Perm Pharmacological Institute: Ul. Lenina 48, Perm.

Pyatigorsk Pharmacological Institute: Prospekt Kirova 33, Pyatigorsk, Stavropolsk, kr.

Tashkent Pharmacological Institute: Ul. K. Marxa 85, Tashkent, Uzbek S.S.R.

(3) Stomatology

Kharkov Stomatological Medical Institute: Pushkinskaya 53, Kharkov, Ukrainian S.S.R.

Moscow Stomatological Medical Institute: Kalyayevskaya 18, Moscow.

(4) Mother and Child Care and Diseases of Women and Children

Armenian Gynaecological Institute: Yerevan.

Azerbaijan Institute of Mother and Child Care: 7-a Parallelnaya 17, Baku, Azerbaijan S.S.R.

Byelorussian Maternity and Child Welfare Institute: Ul. Krasnoarmeiskaya 34, Minsk.

Central Research Institute of Mother and Child Care: Obolensky per. 10, Moscow.

Gorky Region Institute of Mother and Child Care: Ul. Semashko 22, Gorky.

Institute of Obstetrics and Gynaecology: B. Pirogovskaya 2/6, Moscow.

Kazakhstan Maternity and Child Welfare Institute: Ul. Mnogovodnaya 17, Alma Ata.

Kharkov Research Institute of Mother and Child Care: Kharkov, Ukrainian S.S.R.

Lvov Research Institute of Mother and Child Care: Ul. Lysenko 31, Lvov, Ukrainian S.S.R.

Moscow Gynaecological Institute: B. Pirogovskaya, Moscow.

Moscow Regional Gynaecological Institute: Lepechinsky Tupik, Moscow.

Odessa Research Institute of Mother and Child Care: Odessa, Ukrainian S.S.R.

Pædiatric Research Institute: Ul. Prof. Popova 9, Leningrad.

Paediatric Research Institute: Ul. Kropotkina 37, Moscow.

Rostov Region Pædiatric Research Institute: Dolomanovsky per. 142, Rostov-on-Don.

Sverdlovsky Maternity and Child Welfare Institute: Pl. Kommunarov, Sverdlovsk.

Turner Child Orthopædics Research Institute: Lakhtinskaya 10/12, Leningrad.

Ukrainian Buyko Institute of Mother and Child Care: Vozdukhoflotskoye Chaussee 24, Kiev, Ukrainian S.S.R.

(5) Tuberculosis

Azerbaijan Institute of Tuberculosis: Prospekt Lenina 83, Baku.

Byelorussian Institute of Tuberculosis: Ul. Karla Liebknechta, Minsk.

Georgian Institute of Tuberculosis: Per. Motina 4, Tbilisi.

I. M. Sechenov Climatotherapy Institute of Tuberculosis: Ul. Massandrovskaya 42, Yalta.

Kazakhstan Institute of Tuberculosis: Ul. Gorodskaya 5, Alma Ata.

Kharkov Tuberculosis Research Institute: Ul. Chernyshevskaya 83, Ukrainian S.S.R.

Kirgizia Institute of Tuberculosos: Frunze.

Leningrad Institute of Surgical Tuberculosis and Diseases of the Bones and Joints: Institutskaya 6, Leningrad.

Leningrad Institute of Tuberculosis: Ligovsky Pr. 4/2, Leningrad.

Lithuanian Republican Institute of Tuberculosis.

Moscow Region Tuberculosis Institute: N. Bozhedomka 4, Moscow.

Novosibirsk Institute of Tuberculosis: Ul. Chaplygina 75, Novosibirsk.

Odessa Tuberculosis Research Institute: Ul. Belinskogo 11, Odessa, Ukrainian S.S.R.

Sverdlovsk Tuberculosis Research Institute: Ul. Tolmacheva 30, Sverdlovsk.

Ukrainian Tuberculosis Research Institute: Ul. Engelsa 22, Lvov, Ukrainian S.S.R.

Uzbekistan Anti-Tuberculosis Institute: Ul. Remyoslennaya 3, Tashkent.

(6) Epidemiology and Microbiology

Archangel Institute of Epidemiology, Microbiology and Hygiene: Pr. Ch.-Luchinskogo 32, Archangel.

Armenian Institute of Epidemiology and Hygiene.

Ashkhabad Institute of Epidemiology and Hygiene: Ul. Pervomaiskaya 137, Ashkhabad.

Azerbaijan Institute of Epidemiology, Microbiology and Hygiene: Ul. Djafara Djabarli 35, Baku.

Byelorussian Institute of Microbiology, Epidemiology and Hygiene: Myasnikova 72, Minsk, Byelorussian S.S.R.

Central Asian Institute of Microbiology and Epidemiology: Chaussee Aeroporta, Alma-Ata, Kazakh S.S.R.

Chitinsk Institute of Epidemiology, Microbiology and Hygiene.

Dnepropetrovsk Institute of Epidemiology, Microbiology and Hygiene (Gamaley Institute): Prospekt Karla Marxa 2, Dnepropetrovsk.

Dushanbe Institute of Epidemiology and Hygiene: Dushanbe, Tajik S.S.R.

Gamaleya Institute of Epidemiology and Microbiology: M. Shukinskaya 13, Moscow.

Gorky Institute of Epidemiology and Microbiology.

Kirgiz Institute of Epidemiology, Microbiology and Hygiene: Kirgizskaya 55, Frunze, Kirgiz S.S.R.

Kazan Institute of Epidemiology, Microbiology and Hygiene.

Khabarovsk Institute of Epidemiology and Hygiene.

Kuibyshev Institute of Epidemiology, Microbiology and Hygiene: Chapayevskaya 87, Kuibyshev.

Leningrad Institute of Epidemiology, Microbiology and Hygiene (Pasteur Institute): Leningrad, Ul. Mira 14.

Lvov Research Institute of Epidemiology and Microbiology: Lvov, Ukrainian S.S.R.

Moldavian Institute of Epidemiology, Microbiology and Hygiene.

Moscow Mechnikov Institute of Epidemiology, Microbiology and Hygiene: Ul. Chernyshevskogo 44, Moscow.

Rostov Institute of Epidemiology, Microbiology and Hygiene.

Sverdlovsk Institute of Epidemiology, Microbiology and Hygiene: Ul. R. Luxemburga 75, Sverdlovsk.

Ukrainian Institute of Epidemiology, Microbiology and Hygiene: Ul. S. Razina 4, Kiev, Ukrainian S.S.R.

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Uzhgorod Institute of Epidemiology, Microbiology and Hygiene: Ul. Grabarya 4, Uzhgorod.

Vladivostok Institute of Epidemiology, Microbiology and Hygiene.

(7) Eye Diseases

Azerbaijan Research Institute of Ophthalmology: Kommunistichesky per. 5, Baku.

Chuvash Eye Diseases Research Institute: Ul. Sespelya 27, Cheboksary, Chuvash S.S.R.

Helmholtz Eye Diseases Research Institute: Sadovo-Chernogryazskaya 14/19, Moscow.

Leningrad Institute of Eye Diseases: Mokhovaya 38, Leningrad.

Turkmenian Eye Diseases Research Institute: Ul. Soyuznaya 32/2, Ashkhabad, Turkmenian S.S.R.

Ufa Trachoma Institute: Pushkinskaya Ul. 20, Ufa.

Ukraine Experimental Institute for Eye Diseases and Tissue Therapy: Proletarsky Bulvar 49-51, Odessa.

(8) Dermatology and Venereal Diseases

Byelorussian Institute for Skin and Venereal Diseases.

Central Institute of Dermatology and Venereal Diseases: Ul. Korolenko 3, Moscow.

Gorky Institute for Skin and Venereal Diseases: Ul. Kovalikhinskaya 49, Gorky.

Gruzia Institute of Skin and Venereal Diseases: Tbilisi.

Kazakhstan Skin and Venereal Diseases Institute: Ul. Tsentralnaya 38, Alma Ata.

Odessa Glavche Research Institute of Dermatology and Venereal Diseases: Ul. Polevaya 3, Krasnaya Slobodka, Odessa, Ukrainian S.S.R.

The Leningrad Institute of Antibiotics: Pr. Ogorodnikova 23, Leningrad.

Sverdlovsk Region Institute of Dermatology and Venereal Diseases: Ul. K. Liebknechta 9, Sverdlovsk.

Turkmenistan Skin and Venereal Diseases Institute: Ul. Pervomaiskaya 77, Ashkhabad.

Ufa Skin and Venereal Diseases Institute: Ul. Frunze 43, Ufa.

Ukraine Skin and Venereal Diseases Institute: Ul. K. Marxa 17, Kharkov.

Uzbekistan Republican Skin and Venereal Diseases Institute: Kafanova 104, Tashkent.

(9) Hæmatology and Blood Transfusion

Armenian Blood Transfusion Institute.

Azerbaijan Blood Transfusion Institute.

Byelorussian Blood Transfusion Institute: Pr. Stalina 104, Minsk.

Central Institute of Hæmatology and Blood Transfusion: Novokuznetsky pr. 4, Moscow.

Kiev Blood Transfusion Research Institute: Ul. K. Liebknechta 39, Kiev, Ukrainian S.S.R.

Leningrad Blood Transfusion Institute: 2-a Sovetskaya ul. 16, Leningrad.

Lvov Institute of Blood Transfusion and Emergency Surgery: Ul. Pushkina 45, Lvov, Ukrainian S.S.R.

Ukraine Institute of Blood Transfusion: Ul. Chernyshevskaya 7/9, Kharkov.

Uzbekistan Blood Transfusion Institute: Ul. Yaselnaya 51, Tashkent.

(10) Orthopædics, Traumatology and Surgery

Armenian Institute of Orthopædics and Traumatology.

A. V. Vishnevsky Institute of Surgery: B. Serpukhovskaya 27, Moscow.

Azerbaijan Institute of Orthopædics and Restorative Surgery: Nagornaya 21, Baku 5.

Central Artificial Limb Research Institute: 2-y Donskoy pr. 4a, Moscow.

Central Research Institute of Traumatology and Orthopædics: Teply per. 16, Moscow.

Donetsk Research Institute of Traumatology: Ul. Artema 106, Donetsk.

Georgia Institute of Traumatology and Orthopædics: Ul. Kalinina 51, Tbilisi.

Gorky Institute of Restorative Surgery, Orthopædics and Traumatology: Nab. im. Zhdanova 18, Gorky.

Irkutsk Institute of Orthopædics and Traumatology: Ul. Revoliutsii 1, Irkutsk.

Kazan State Institute of Orthopædics and Traumatology: B. Galaktionovskaya 3, Kazan.

Kharkov Research Institute of Orthopædics and Traumatology: Kharkov, Ukrainian S.S.R.

Kiev Research Institute of Neurosurgery: Kiev, Ukrainian S.S.R.

Kiev Research Institute of Orthopædics and Traumatology: Kiev, Ukrainian S.S.R.

Latvia Institute of Orthopædics and Restorative Surgery.

Leningrad A. L. Polenov Neurosurgical Research Institute: Ul. Mayakovskogo 12, Leningrad; Dir. Prof. Ugrumov.

Leningrad Artificial Limb Research Institute: Pr. K. Marxa 9/12, Leningrad.

Leningrad Institute of Traumatology and Orthopædics: Park Lenina 5, Leningrad.

Minsk Institute of Orthopædics and Restorative Surgery.

Novosibirsk Institute of Surgery and Restorative Surgery: Ul. Frunze 33, Novosibirsk.

Saratov Institute of Restorative Surgery, Traumatology and Orthopædics: Ul. Chernyshevskogo 150. Saratov.

Sverdlovsk Institute of Restorative Surgery, Traumatology and Orthopædics: Bankovsky per. 9, Sverdlovsk.

Ukrainian Central Institute of Orthopædics and Traumatology: Ul. Vorovskogo 27, Kiev, Ukrainian S.S.R.

Uzbek Institute of Orthopaedics and Traumatology: Kabl-u kova 5, Tashkent, Uzbek S.S.R.

(11) Malaria and Parasitology

All-Union K. I. Skryabin Institute of Helminthology: Kuibyshevsk. pr. 3, Moscow.

Azerbaijan Institute of Malaria and Medical Parasitology: Ul. Basina 61, Baku.

Georgia Institute of Malaria and Medical Parasitology: Ul. Plekhanova 139, Tbilisi.

R.S.F.S.R. Institute of Medical Parasitology: Moskovskaya 67, Rostov-on-Don.

Ukrainian Rubashkin Institute of Malaria and Medical Parasitology: Pushkinskaya ul. 14, Kharkov, Ukrainian S.S.R.

Uzbek Institute of Malaria and Medical Parasitology: Gospitalnaya Ul. 48, Samarkand, Uzbek S.S.R.

(12) Vaccines and Sera

Gorky Research Institute of Vaccines and Sera: Gruzinskaya, ul. 44 Gorky.

L. A. Tarasevich Control Institute of Vaccines and Sera: Sivtsev-Vrazhek per. 41, Moscow.

Leningrad Institute of Vaccines and Sera: Ul. akad. Pavlova 9, Leningrad.

Moscow Institute of Vaccines and Sera: Uspensky per. 12. Moscow.

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Stavropol Institute of Vaccines and Sera: Ul. K. Khetagurova 24, Stavropol-Kavkazsky.

(13) Radiology and Oncology

Azerbaijan Institute of Radiology: 4 Nagor-Gafa-Mamedovskaya, Baku.

Central Radiological Institute: Ul. Roentgena 6, Leningrad.

Central Institute of Roentgenology and Radiology: Solyanka 7, Moscow, J28.

Georgia Institute of Roentgenology and Medical Radiology: Ul. Ordzhonikidze 101, Tbilisi.

Kiev Research Institute of Roentgenology and Oncology: Kiev, Ukrainian S.S.R.

Lithuanian Institute of Oncology.

P. A. Herzen Oncological Research Institute: 2-y Botkinsky pr., Moscow.

Rostov Institute of Radiology and Oncology: Voroshilovsky Pr. 119, Rostov-on-Don; affiliated to the Cheliabinsk Radiation Hygiene Institute.

State Research Institute of Oncology: Bedovaya Ul. 13, Moscow.

Ukrainian Radiological and Oncological Institute: Pushkinskaya 82, Kharkov, Ukrainian S.S.R.

Voronezh Region Radiological and Oncological Institute: Ul. Kalyayeva 2, Voronezh.

(14) Neurology and Psychiatry

Byelorussian Institute of Neurology, Neuro-surgery and Physiotherapy: Podlesnaya 5, Minsk.

Central Sechenov Research Institute: Zapadnaya ul. 1, Yalta, Crimea, Ukrainian S.S.R.

Central Serbsky Forensic Psychiatry Research Institute: Kropotkinsky per. 23, Moscow.

Georgian Institute of Psychiatry: Elektricheski per. 4, Tbilisi.

Institute of Psychiatry: Poteshnaya 8, Moscow.

Kharkov Psycho-Neurological Research Institute: Kharkov, Ukrainian S.S.R.

Psychiatric Research Institute of the U.S.S.R. Academy of Sciences: Zagorodnoye Chaussee, Moscow.

Turkmenistan Institute of Neurology and Physiotherapy: Ul. Soiuznaya 32/2, Ashkhabad.

(15) Industrial Hygiene and Occupational Diseases

All-Union Labour-Protection Research Institute of the Central Council of Trade Unions: Ul. Furmanova 3, Leningrad.

Angar Institute of Industrial Hygiene and Occupational Diseases: 31 Karl-Marx Pr., Angarsk.

Central Institute for Examination of and Vocational Assistance to Disabled Persons: Leningradskoye Chaussee 57, Moscow.

Donets Institute of Industrial Physiology: 2-a linia 50, Donetsk, Ukrainian S.S.R.

Georgian Institute of Industrial Hygiene and Occupational Diseases: Ul. Klary Tsetkin 126, Tbilisi.

Gorky Institute of Industrial Hygiene and Occupational Diseases: Ul. Semashko 20, Gorky.

Kharkov Research Institute of Industrial Hygiene: Kharkov, Ukrainian S.S.R.

Kiev Institute of Industrial Hygiene and Occupational Diseases: Ul. Chkalova 33, Kiev.

Leningrad Research Institute of Industrial Hygiene and Occupational Diseases: 2-a Sovetskaya ul. 4, Leningrad.

Lithuanian State Institute of Sanitation and Hygiene.

Novosibirsk Sanitary Institute.

Sverdlovsk Institute of Industrial Hygiene and Occupational Pathology.

Ufa Institute of Hygiene and Occupational Diseases.

Uzbekistan Institute of Sanitation and Hygiene: K. Marx 85, Tashkent.

(16) Other Medical Institutes

Armenian Institute of Spa Treatment and Physiotherapy.

Astrakhan Institute for the Study of Leprosy.

Azerbaijan Institute of Opthalmology: Kommunisticheski Per. 6.

Azerbaijan Institute of Spa Treatment and Physiotherapy (Kirov Institute): Balakhanskaye Chaussee 3, Baku.

Central Institute for Defectives: Pogodinskaya Ul. 8, Moscow.

Central Institute of Health Education: Ul. Kirova 42, Moscow.

Central Institute of Spa Treatment: B. Novinsky per. 6a, Moscow.

Ersman Health Research Institute: Pyatnitskaya ul. 1/2, Moscow.

Institute of Plastic Surgery: R.S.F.S.R. Ministry of Public Health, Ul. Gorky, Moscow.

Kharkov Chemical and Pharmaceutical Institute: Yumovskaya Ul. 7, Kharkov.

Leningrad Ear, Nose and Throat Institute: Bronnitskaya 9, Leningrad.

Leningrad Medical Institute of Sanitation and Hygiene: Ul. Kurakina 1/3, Leningrad.

Moscow Municipal First Aid Institute: Kolkhoznaya Ploschchad 3, Moscow.

Omsk Institute of Infectious Diseases: R.S.F.S.R. Ministry of Public Health.

Piatigorsk Balneological Institute: Pr. Kirova 30, Piatigorsk.

Sochi Health Research Institute: Sochi, Krasnodarsk. kr.

Sverdlovsk Institute of Physical Curative Methods and Spa Treatment: Pl. Kommunarov, Sverdlovsk.

Tomsk Institute of Physiotherapy and Spa Treatment: Ul. Rozy Luxembourg 1.

Ukraine Institute of Nutrition: Ul. Lenina 25, Kiev.

Ukraine Sanitary and Chemical Institute: Bulvar Shevchenko 8, Kiev.

Ukrainian Institute of Experimental Endocrinology: Ul. Artema 10, Kharkov, Ukrainian S.S.R.

Ukrainian N. D. Strazhesko Research Institute of Clinical Medicine: Ul. Saksaganskogo 75, Kiev.

Ukrainian Research Institute of Municipal Hygiene: Kirova 6, Kiev.

U.S.S.R. Antibiotics Research Institute: Nagatinskoye Chaussee 3A, Moscow.

Uzbekistan Institute of Spa Treatment and Physiotherapy (Semashko Institute): Labzak 14, Tashkent.

MUSIC

Alma-Ata State Conservatoire: Pr. Communist 90, Alma-Ata, Kazakh S.S.R.

Azerbaijan State Conservatoire: Ul. Dimitrova 98, Baku, Azerbaijan S.S.R.

Byelorussian State Conservatoire: Pl. Svobody 7, Minsk, Byelorussian S.S.R.

Erevan State Komitas Conservatoire: Ul. Kirova 16, Erevan, Armenian S.S.R.

Gorky State Conservatoire: Ul. Piskunova 40, Gorky.

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Kazan State Conservatoire: Ul. Pushkin 1, Kazan, Tatar A.S.S.R.

Kharkov State Conservatoire: Pl. Teveleva 13, Kharkov, Ukrainian S.S.R.

Kiev P. I. Chaikovsky State Conservatoire (Order of Lenin): Ul. Marxa 5, Kiev, Ukrainian S.S.R.

Kishinev State Conservatoire: Ul. Pirogova 39, Kishinev, Moldavian S.S.R.

Latvian State Conservatoire: Ul. Barona 1, Riga, Latvian S.S.R.

Leningrad N. A. Rimsky-Korsakov State Conservatoire (Order of Lenin): Teatralnaya pl. 3, Leningrad.

Lithuanian State Conservatoire: Pr. Lenin 42, Vilnius, Lithuanian S.S.R.

Lvov N. V. Lysenko State Conservatoire: Ul. Chaikovskogo 7, Lvov, Ukrainian S.S.R.

Moscow P. I. Chaikovsky State Conservatoire: Ul. Herzena 13, Moscow; f. 1866; Prorector Prof. A. NIKOLAYEV.

Novosibirsk State Conservatoire: Sovetskaya 31, Novosibirsk.

Odessa A. V. Nezhdanova State Conservatoire: Ul. Ostrovidova 63, Odessa, Ukrainian S.S.R.

Saratov L. V. Sobinov State Conservatoire: Pr. Kirova 1, Saratov.

State Music-Teaching Institute: Ul. Vorovskogo 30/36, Moscow.

Tallinn State Conservatoire: Bd. Suvorova 3, Tallinn, Estonian S.S.R.; f. 1919; Rector E. KAPP.

Tashkent State Conservatoire: Pushkinskaya 31, Tashkent, Uzbek S.S.R.

Tbilisi State Conservatoire: Ul. Griboyedova 8, Tbilisi, Georgian S.S.R.

Urals State Conservatoire: Ul. Lenina 26, Sverdlovsk.

Vilnius State Conservatoire: Ul. Skapo 11, Vilnius, Lithuanian S.S.R.

PHYSICAL CULTURE

(NOTE.—Schools for Physical Culture Instructors are attached to Institutes marked with an asterisk)

Armenian Institute of Physical Culture: Ul. Sportinterna 75, Erevan, Armenian S.S.R.

Azerbaijan S. M. Kirov Institute of Pnysical Culture: Krasnoarmeyskaya 25, Baku, Azerbaijan S.S.R.

Byelorussian Institute of Physical Culture (Order of the Red Banner of Labour): Pr. Lenin 51, Minsk, Byelorussian S.S.R.

Georgian Institute of Physical Culture: Grishashvili 51, Tbilisi, Georgian S.S.R.

Kazakh Institute of Physical Culture: Sovetskaya 22, Alma-Ata, Kazakh S.S.R.

Kiev Institute of Physical Culture: Fiskulturnaya 1, Kiev, Ukrainian S.S.R.

Kirghiz Institute of Physical Culture: Kievskaya 132, Frunze, Kirghiz S.S.R.

Latvian State Institute of Physical Culture: Lenin Ul. 333, Riga, Latvian S.S.R.

***Leningrad P. F. Lesgaft State Institute of Physical Culture (Order of Lenin and Order of the Red Banner of Labour):** Ul. Dekabristov 35, Leningrad.

Lithuanian Institute of Physical Culture: Ul. Sporta 10. Kaunas, Lithuanian S.S.R.

Lvov Institute of Physical Culture: Ul. Kosciuszko 11, Lvov, Ukrainian S.S.R.

Omsk Institute of Physical Culture: Ul. Lenina 21, Omsk,

Smolensk Institute of Physica lCulture: Prospekt Gagarina 21, Smolensk.

***State Central Institute of Physical Culture (Order of Lenin):** Kazakova 18, Moscow.

Uzbek Institute of Pnysical Culture: Ul. Achunbabaeva 6, 1-a, Tashkent, Uzbek S.S.R.

Volgograd Institute of Physcial Culture: Prospekt Lenina 78, Volgograd.

POLITICAL SCIENCE

Institute of International Relations: Metrostroyevskaya 53, Moscow.

Institute of Marxism-Leninism: Ul. Marxa i Engelsa 5, Moscow.

SOCIAL SCIENCE

Academy of Social Sciences: Moscow; f. 1946; under the central committee of the Communist Party of the Soviet Union; faculties of Political Economy, Economics, Theory of Government and Law, International Law, Dialectical and Historical Materialism, Philosophy, Logic, Psychology, History of Art.

TEACHING

There are 192 Pedagogical Institutes in the U.S.S.R., of which 84 provide general teaching facilities in addition to facilities for teacher training. There are also a large number of Institutes for training teachers for junior schools.

THEATRE

Azerbaijan M. A. Aliev Dramatic Institute: Per. Nizami 1, Baku, Azerbaijan S.S.R.

B. V. Shchukin Drama School attached to the E. B. Vakhtangov State Theatre: Ul. Vakhtangova 12a, Moscow.

Byelorussian State Theatre Institute: Minsk, Byelorussian S.S.R.

Erevan State Institute of Dramatic Art: Erevan, Armenian S.S.R.

Georgian S. Rustaveli State Institute of Dramatic Art: Pr. S. Rustaveli 17, Tbilisi, Georgian S.S.R.

Kharkov State Drama Institute: Sumskaya 34, Kharkov, Ukrainian S.S.R.

Kiev I. K. Karpenko-Kary State Drama Institute: Kreshchatik 52, Kiev, Ukrainian S.S.R.

Leningrad Institute of Theatre, Music and Cinematography: Mokhovaya 34, Leningrad.

Leningrad State School of Choreography (Order of the Red Banner of Labour): Ul. Zodchego Rossi 2, Leningrad.

M. S. Shchepkin Drama School attached to the Maly Theatre: Neglinnaya 6, Moscow.

State A. V. Lunacharsky Institute of Dramatic Art: Sobinovsky per. 4, Moscow.

State School of Circus Art: 24a, 5-aya ulista Yamskogo polya, Moscow; trains artists for the circus from the ages of 14 to 26 years in all branches of circus and variety arts.

Studio-School of the Bolshoy A. M. Gorky Dramatic Theatre: Fontanka 65, Leningrad.

Tashkent A. N. Ostrovsky State Drama Institute: Shelkovichnaya 75, Tashkent, Uzbek S.S.R.

V. I. Nemirovich-Danchenko Studio-School attached to the Moscow Art Theatre: Pr. Khudozhestvennogo teatra 3a, Moscow.

TRANSPORT AND COMMUNICATIONS

(1) RAILWAYS

All-Union Extra-Mural Institute for Railway Engineers: Novo-Sushchevskaya 26, Moscow.

Byelorussian Institute for Railway Engineers: Ul. Kirova 68, Gomel, Byelorussian S.S.R.

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Dnepropetrovsk Institute of Railway Engineering: Sevastopolskaya 15, Dnepropetrovsk, Ukrainian S.S.R.

Khabarovsk Institute of Railway Engineering: Ul. Seryshev 47, Khabarovsk.

Kharkov S. M. Kirov Institute of Railway Engineering: Pl. Feuerbacha 7, Kharkov, Ukrainian S.S.R.

Leningrad V. N. Obraztsov Institute of Railway Engineering (Order of Lenin): Moskovskaya pr. 9, Leningrad.

Moscow F. E. Dzerzhinsky Electro-Mechanical Institute for Railway Engineers: Novo-Sushchevskaya 26, Moscow.

Moscow Institute of Railway Engineering: Ul. Obraztsova 15, Moscow.

Novosibirsk Institute of Railway Engineering: Ul. Dusi Kovalchuk 181, Novosibirsk.

Rostov Institute of Railway Engineering: Novy Gorod, Rostov-on-Don.

Tashkent Institute of Railway Engineering: Oboronnaya 1, Tashkent, Uzbek S.S.R.

Tbilisi V. I. Lenin Institute of Railway Engineering: Ul. Lenina 98, Tbilisi, Georgian S.S.R.

Tomsk Electro-Mechanical Institute for Railway Engineers: Pr. Lenina 35, Tomsk.

Urals Electro-Mechanical Institute for Railway Engineers: Ul. Bykova 34a, Sverdlovsk.

(2) Waterways

Gorky Institute of Water Transport Engineers: Ul. Minina 7, Gorky.

Leningrad Admiral S. O. Makarov Higher School of Marine Engineering: Kosaya linia 15a, Vasilyersky Ostrov, Leningrad.

Leningrad Institute of Water Transport Engineers: Dvinskaya 5/7, Leningrad.

Murmansk Higher Marine School: Sportivnaya 13/6, Murmansk.

Novosibirsk Institute of Water Transport Engineering: Novosibirsk.

Odessa Higher School of Seamanship: Ul. Perekopskoi Pobedy 20, Odessa, Ukrainian S.S.R.

Odessa Institute of Marine Engineers: Ul. Mechnikova 34, Odessa.

Vladivostok Higher School of Seamanship: Verkhnyaya Pontovka 50a, Vladivostok.

(3) Motor Transport

Kharkov Motor and Highways Institute: Ul. Petrovskogo 25, Kharkov, Ukrainian S.S.R.

Kiev Motor and Highways Institute: Ul. Suvorova 1, Kiev, Ukrainian S.S.R.

Moscow Motor and Highways Institute: Leningradsky Prospect 64, Moscow.

Siberian V. V. Kuibyshev Motor and Highways Institute: Ul. Lenina 20, Omsk.

(4) Aviation

Kazan Institute of Aviation: Ul. K. Marxa 10, Kazan, Tatar A.S.S.R.

Kharkov Institute of Aviation: Pomerki 27, Kharkov, Ukrainian S.S.R.

Kiev Institute of Civil Aviation: Borshchagovskaya Ul. 197, Kiev.

Kuibyshev Institute of Aviation: Molodogvardeiskaya 151 Kuibyshev.

Leningrad Institute of Aviation Equipment: Ul. Gastello 9, Leningrad.

Moscow Institute of Aviation Technology: Petrovka 27, Moscow.

Moscow S. Ordzhonikidze Institute of Aviation: Volokolamskoye Chaussee 18, Moscow.

Ufa Sergo Ordzhonikidze Institute of Aviation: Ul. Lenina 61, Ufa, Bashkir A.S.S.R.

(5) Other Communications Institutes

All-Union Extra-Mural Institute for Communications Engineers: Aviamotornaya 8a, Moscow.

Kuibyshev Institute of Communications Engineering: Kuibyshevskaya 133, Kuibyshev oblastnoi.

Leningrad M. A. Bonch-Bruyevich Institute of Communications Engineering: Moyka 61, Leningrad.

Moscow Institute of Communications Engineering: Aviamotornaya 8a, Moscow.

Novosibirsk Institute of Communications Engineering: Ul. Kirova 58, Novosibirsk.

Odessa Institute of Communications Engineering: Ul. Chelyuskintsev 1/3, Odessa, Ukrainian S.S.R.

Ryazan Institute of Wireless Engineering: Yamskoye Chaussee 37, Ryazan.

Taganrog Institute of Wireless Engineering: Ul. Chekhova 22, Taganrog, Rostovsk. obl.

Tashkent Institute of Communications Engineering: Ul. Labzak 112, Tashkent.

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UNITED ARAB REPUBLIC

Population 26,059,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

National Research Centre: al-Tahrir, Dokki, Cairo; f. 1939, first functioned in 1947; laboratory work started in 1956; fosters and carries out research in both pure and applied sciences; publs. *Bulletin of the Documentation Division of the National Research Centre* (monthly), *Technical Information for the Textile Industry* (monthly); publs. in collaboration with the Science Council and Scientific Societies: *Journal of Chemistry, Journal of Botany, Journal of Geology.*

Director: Prof. Dr. Ahmad Riad Tourky.

Secretary-General: Prof. Dr. Mostafa Mahmoud Hafez.

Laboratories:

The laboratories are organised into four main departments:
Chemistry and Chemical Technology Department.
Physics and Engineering Physics Department.
Agricultural Research Department.
Medical Research Department.

The Scientific and Technical Documentation Division comprises the following units: Library, Bibliography, Information, Patents, Publications, Photoreproduction and Translation.

The Scientific Instruments Division comprises the following units: Electrical and Electronic Instruments, Precision Mechanics, Instruments Standardisation, Optical Instruments and Glass Blowing.

Main Committees:

Physics Committee.
Engineering Committee.
Chemical Industries Committee.
Biological Science Committee.
Mineral Wealth Committee.
Medical Committee.

Academy of the Arabic Language: 26 Sharia Morad, Giza; f. 1932.
President: Dr. Ahmed Loutfi el-Sayed.
Vice-President: Dr. Taha Hussein.
Secretary-General: Dr. Ibrahim Madkour.

Publications: *Review of Academy for the Arabic Language*, Collections of Scientific Terms, Dictionary of Koranic Terms.

Members:

Dr. Ibrahim Anis
Ibrahim El Labban.
Ibrahim Mostafa.
Dr. Ahmed Badawy.
Sheikh Ahmed Hassan El Bakouri.
Ahmed Hassan El Zayat.
Dr. Ahmed Zaki.
Dr. Ahmed Ammar.
Ismail Mazhar.
Amin El Kholi.
Tewfik El Hakim.
Hamed Abdel Kader.
Zaki El Mohandes.
Abbas Mahmoud El Akad.
Dr. Abdel Halim Montaser.
Dr. Abdel Hamid Badawy.
Abdel Hamid Hassan.
Dr. Abdel Razak El Sanhouri.
Abdel Fattah El Saidi.
Aziz Abaza.
Dr. Ali Badwi.
Dr. Ali Tewfik Shousa.
Ali Abdel Razek.
Dr. Morad Kamel.
Mohamed Tewfik Diab.
Mohamed Khalaf Alla Ahmed.
Mohamed Shafik Ghorbal.
Sheikh Mohamed Ali El Naggar.
Dr. Mohamed Awad Mohamed.
Mohamed Farid Abou Hadid.
Dr. Mohamed Kamel Hussein.
Dr. Mohamed Mahdy Allam.
Mahmoud Taymour.
Sheikh Mahmoud Shaltout.
Dr. Mostafa Nazif.

Members Representing Arab Countries:

Ahmed Akabat.
Dr. Ishak El Husseini.
Anis El Makdesi.
Hassan Hosni Abdel Wahab.
Hamed El Gaser.
Dr. Abd Alla El Tayeb.
Abd Alla Kanoun.
Ali El Fakih Hassan.
Dr. Omar Farroukh.
Kadry Hafez Toukan.
Mohamed El Bashir El Ibrahimi.
Mohamed EL Fasi.
Mohamed Bahga El Athari.
Mohamed Reda El Shabibi.
Mohamed Fadel Ben Ashour.

There are also about 80 Corresponding Members from Arab and other countries.

Institut d'Egypte: 13 Sharia Cheikh Rihane, Cairo; f. 1859; studies literary, artistic and scientific questions relating to Egypt and neighbouring countries; publs. *Bulletin* (annual) and *Memoires.*
President: A. R. Torky.
Vice-Presidents: A. Alfieri, M. R. Madwar.
Secretary-General: B. Farès.
Treasurer-Librarian: M. Kamel.
Assistant Secretary: L. Christophe.

Agriculture, Horticulture

Egyptian Agricultural Organisation: 156 Sharia Khedive Ismail, Cairo; f. 1898; the Society acts as an information centre for farmers, and its activities include seed selection, importation of fertilisers, periodic agricultural and industrial exhibitions; the society has an experimental station and laboratories of botany and genetics at Bahtim, chemical and entomological laboratories, and a Cotton Museum at Gezira; there is also an animal-breeding section, and a stud farm of Arabian horses at Heliopolis; Dir.-Gen. Ahmed Afifi; Asst. Dir.-Gens. Moustafa El-Bahtimi and Abdel Maguid Youssef.

Egyptian Horticultural Society: P.O. Box 46, Cairo; f. 1915; Chair. Hassan Farid; Hon. Sec. Abdel Kader Haggag; publ. *Horticultural Magazine.*

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Archaeology, History

Deutsches Archäologisches Institut (*German Archaeological Institute*): Sharia Gezira al Wusta 22, Cairo-Zamalek; Dir. Prof. Dr. Hanns Stock.

Hellenic Society of Ptolemaic Egypt: 20 Avenue Fouad I, Alexandria; f. 1908; Pres. Dr. G. Partheniadis; Sec. Costa A. Sandi.

Institut Dominicain d'Etudes Orientales: Convent of the Dominican Fathers, 1 Sharia Masna al-Tarabish, Abbasiyah, Cairo; f. 1952; Dir. Père G. C. Anawati; publ. *Mélanges* (yearly); *see* Library.

Institut Français d'Archéologie Orientale (*French Institute of Oriental Archaeology*): Cairo; f. 1898; Dir. F. Daumas.

Office for the Preservation of Arabic Monuments (*Idarit Hifz el-Assar el-Arabia*): 1 Sharia el-Walda (Kasr-'el-Doubara), Cairo; f. 1882; Pres. of the Higher Council H.E. the Egyptian Minister of Education; Dir. Mohammed Abdel Fattah Helmy; Pres. of the Permanent Cttee. Mohammed Aly Namazy; publ. *Bulletin*.

Société Archéologique d'Alexandrie: 6 Sharia Gerbel, Alexandria; f. 1893; 100 mems.; Hon. Pres. Moustafa Amer; Pres. Gamal Moursi Badr; Sec.-Gen., Treas. and Editor Max Debbane; publs. *Bulletins, Mémoires, Monuments de l'Egypte Gréco-Romaine, Cahiers, Publications Spéciales*.

Society of Coptic Archæology: 222, Avenue Ramses, Cairo; f. 1934; 250 mems.; library of 4,500 vols.; Pres. Mirrit Boutros Ghali; Sec. Dr. Antoine Khater; Treas. Yusef Simaika; Librarian Dr. O. H. E. Khs-Burmester; publs. *Bulletin* (annual), *Fouilles, Bibliothèque d'Art et d'Archéologie, Textes et Documents et Divers*.

The Arts, Education

Armenian Artistic Union: Sharia Soliman, El-Halaby, Cairo.

Atelier: 1 Sharia St. Saba, Alexandria; society of artists and writers; Hon. Pres. Moustafa Fahmy; Sec.-Gen. L. Hergenstein.

Egypian Association for Archives and Librarianship: 58 Sharia 'al-Jumhuriyah, Cairo; f. 1956; 538 mems.

Egyptian Concert Society: 17 Sharia Talaat Harb, Alexandria; Pres. Joseph Tuby; Treas. Jacques Vincendon.

Egyptian Library Association: Cairo; f. 1946.

Egyptian Society of Music: Sharia Talaat Harb, Cairo; Pres. H.E. Mohamed Taher; Vice-Pres. M. Vincenot; Sec.-Gen. M. H. Kaster.

Hellenic Artistic Union: 6 Sharia Bichai, Alexandria.

Institute of Arab Music: 22 Sharia El-Malika, Cairo; Pres. Moustafa Rida.

Institute of Arab Music: 2 Sharia Tewfik, Alexandria; Pres. Ahmed Bey Hassan; Hon. Sec. Aly Saad.

New Education Fellowship (N.E.F.), Egyptian Branch: 9 Sharia Kerdasy, Cairo; f. 1938; object: conferences and discussions on local problems of education and the science of teaching; Chair. Dr. Ahmed Abdel Salam El-Kerdany.

Society of Friends of Art: 4 Sharia Kasr el Nil, Cairo; Pres. H.E. Mohammed Mahmoud Khalil; Vice-Pres. Sherif Sabri, M. Vincent; Sec. Kamel Delawar.

Economics, Law

Egyptian Society of International Law: 16 Ramses Street, Cairo; f. 1944; objects: to promote the study of international law and to work for the establishment of international relations based on law and justice; Pres. Dr. Hamed Soltan; Vice-Pres. Dr. Ahmed Khairat Said and Jasper Y. Brinton; 500 mems.; library contains 520 books and 500 sets of periodicals; publ. *Revue Egyptienne de Droit International*.

Egyptian Society of Political Economy, Statistics and Legislation: 16 Avenue Ramses, Cairo, P.O. Box 732; f. 1909; Pres. Dr. Abdel Hamid Badawi; Librarians M. Yallouz and Latif Ibrahim; 450 mems.; library contains 7,461 vols. and approx. 9,000 periodicals; publ. *L'Egypte Contemporaine* (quarterly).

Social Sciences Association of Egypt: Cairo; f. 1957; 1,234 mems.

Geography, Geophysics

Egyptian Geographical Society: Sharia Kasr El-Aini (Jardin du Ministère de Travaux Publics), Cairo; f. 1875, reorganised 1917; Pres. M. Moustafa Amer; Sec.-Gen. M. Mohamed M. El-Sayyad; publ. bulletins; *see* library.

Egyptian Observatory: Helwan; f. 1903; astronomical, geophysical and meteorological observations; in 1951 an Institute was founded within the Observatory for higher studies in these subjects; Dir. Dr. M. R. Madwar, ph.d., f.r.a.s., f.r.s.e.; publ. bulletins.

International Cultural Institutes

Centro Cultural Hispánico (*Hispanic Cultural Institute*): Sharia El Horria 101, Alexandria.

Deutsches Kulturinstitut (*German Cultural Institute/Goethe Institute*): 15 rue des Pharaons, Alexandria; Dir. Dr. Helmut Ewald.

Istituto Italiano di Cultura (*Italian Cutlural Institute*): 3 Sharia Sheikh El Marsafi (Zamalek), Cairo; Dir. Prof. Luigi Rivara.

Österreichisches Kulturreferat fur den Vorderen Orient (*Austrian Cultural Office for the Middle East*): 1103 Sharia Corniche el Nil, Apt. 7, Kasr el Doubara, Cairo; Dir. Bernhard Stillfried, ph.d.

U.S. Information Centers:
11 Tarik El Horeya, Alexandria.
6 Sharia Kamal Eldine, Salah, Garden City, Cairo.

Medicine, Public Health

Alexandria Medical Association, The: 4 Ibn El-Saigh Street, Alexandria; f. 1921; 900 mems.; Pres. Prof. Hussein Khairy Toppozada; Sec. Dr. Ali Nofal; publ. *The Alexandria Medical Journal* (English, French and Arabic).

Cairo Odontological Society: 39 Kasr El-Nil, Cairo; Pres. Dr. Abulnaga M. Abdel-Azim; Sec. Dr. J. Alcée.

Egyptian Association for Mental Health: 1 Sharia 'Ilhami, Qasr al-Dubarah, Cairo; f. 1948; 630 mems.

Egyptian Association for Psychological Studies: Faculty of Education, Ain Shams University, Abbasiyah, Cairo; f. 1948; 683 mems.

Egyptian Medical Association: 42 Sharia Kasr El-Aini, Cairo; f. 1919; Pres. Dr. Soliman Azmi; Vice-Pres. Dr. Ibrahim Shawki, Prof. Dr. Abdallah el Kateb; Gen. Sec. Dr. Moustafa Omar; 700 mems.; publ. *Journal* (monthly), in Arabic and English.

Egyptian Society of Medicine and Tropical Hygiene: 2 Sharia Fouad I, Alexandria; f. 1927; Hon. Pres. Dr. Ahmed Helmi; Pres. Dr. Ibrahim Abdel-Sayed; Sec.-Gen. and Treas. Dr. J. Khouri.

Memorial Institute for Ophthalmic Research: Giza, Cairo; f. 1925; library of 2,800 vols.; Acting Dir. Ibrahim Ahmed Mohamed; Pathologist Abdel Fattah Mos-

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TAFA MOHAMED; Virologists ZEINAB CHERIF, FATMA ZANATI; Clinical Dept. GAMAL EDDIN ABDIN, EL SAYED ALY ELEISH; publ. *Report*.

Ophthalmological Society of Egypt: Dar El Hekmah, 42 Sharia Kasr El Aini, Cairo; f. 1902; Pres. Dr. YEHYA EL GAMMAL; Vice-Pres. Dr. SABRI KAMEL; Hon. Sec. Dr. HASSAN ALI IBRAHIM; 350 mems.; publ. *Annual Bulletin*.

Public Health Laboratories—General Administration: Ministry of Public Health, 19 Sharia Sheikh Rehan, Cairo; f. 1885; Dir.-Gen. Dr. A. A. SALEM; Diagnostic Administration: Dr. I. K. ELLAMI; Production Administration: Dr. I. SHAHIN; Public Health Laboratory Administration: M. EL KASSAS; Drug Analysis Laboratory Administration: F. ISKANDER; Inspection - Revision Office: Dr. M. ROUCHDI.

Research Institute and Hospital for Tropical Diseases: 10-12 Sharia Kasr El-Aini, Cairo; f. 1932; Dir. A. HALAWANI; Section Chiefs: Tropical Medicine, A. HALAWANI; Helminthology, I. S. HILMY; Entomology, I. BAZ; Biochemistry, M. H. SHAKER; Hæmatology, G. NOUR EL-DIN; Clinical Dept., A. ABDALLAH; Synthetic Chemistry, BASHIR ANTAKI; Virology, M. DAWOOD; Bacteriology, KHADIGA ZEIN EL-DIN. Protozoology, M. I. EL-KARDI; Animal Breeding; A. TAKA; library of 1,500 vols.; four field research stations are attached to the Institute, situated at Khanka, Fayed, Rosetta, and El-Haram.

SCIENCE AND ENGINEERING

Cairo Scientific Society: 18 Sharia Mohamed Mazhar Pasha, Zamalek, Cairo; Sec. Major E. TITTERINGTON.

Egyptian Desert Institute: Mataria, Cairo; f. 1950; a scientific institute for the study and development of desert areas; carries out research in the following: desert agriculture and horticulture, soils, hydrology, geophysics, climatic studies, solar energy, geology, ecology anthropology, desert range improvement, soil conservation, animal production. The Institute maintains several laboratories, field stations, a museum, library and a map room; Dir.-Gen. Prof. MOHAMED MAHMOUD IBRAHIM; publs. *Bulletin* (twice yearly) and special publications.

Egyptian Society of Engineers: Sharia Hahdet Misr, Cairo; f. 1920; Pres. HAMED SULEIMAN; Sec. ABDUL-AZIZ AHMED.

I.A.E.A. Regional Isotope Centre: Cairo; f. 1963; training and research in uses of isotopes in medicine, agriculture, hydrology and industry.

Institute of Hydro-Biology: Kayed Bey, Alexandria; f. 1931; Dir. Dr. IBRAHIM ABOU-SAMRA; Sec. M. SAYED HAMED; *see* Library.

Marine Biological Station: Al-Ghardaqa; f. 1929 in connection with the Faculty of Science, Cairo. Consists of a research station and training centre for students. In 1930 the late King Fouad presented to it his private collection at El-Chatby, containing reference books, scientific models, and nautical research apparatus.The station contains a library and a museum. Regular correspondence is kept up with more than 300 scientific institutions. Dir. Dr. HAMED ABDEL FATTAH GOHAR.

Société Entomologique d'Egypte: 14 Sharia Ramses, P.O. Box 430, Cairo; f. 1907; Pres. MOHAMED SOLIMAN EL-ZOHEIRY; Vice-Pres. Prof. Dr. MAHMOUD HAFEZ, Dr. ABDEL FATTAH ALY MOURSY; Sec.-Gen. A. ALFIERI; 400 mems.; publs. bulletins; *see* Library.

LIBRARIES

Al-Azhar University Library: Cairo; 80,000 vols., including 20,000 MSS.; Librarian Sheikh ABUL WAFA MAGHRIBI.

Alexandria Municipal Library: 18 Sharia Menasce Moharrem Bey, Alexandria; f. 1892; number of vols.: Arabic 33,390, European 35,399, 4,086 MSS.; Chief Librarian Sheikh BESHIR EL-SHINDI; Sec. ANTOINE D. ABD-EL-MESSIH.

Alexandria University Library: 6 Sharia Kenissa El-Inguilizia, Stanley Bay, Ramleh, Alexandria; f. 1942; consists of the Central Library (122,225 vols.), 7 Faculty libraries, and the Library of the Institute of Chemical Technology; over 1,000,000 vols.; Dir. BURHAN EL-DIN SAKI; Chief Librarian AMIN EL-BASSOUNI SALLAM.

American University at Cairo Library: Cairo; f. 1920; undergraduate library: 43,000 vols.; graduate library: 10,000 vols.; Dir. MAHMUD SHENITI.

Arab League Library: Cairo; 35,000 vols.

Assiut College Library: Assiut; 25,000 vols.; Dir. Mrs. W. J. SKELLIE.

Beni Suef Municipal Library: contains 5,447 vols. (Arabic 3,024, European 2,423).

Cairo University Library: Sharia Hadiket El-Ormane, Cairo; 176,128 vols.; Dir. HASSAN MAHMOUD, LL.B.

Damanhour Municipal Library: contains 13,431 vols.

Documentation Centre for the History of the Art and Civilisation of Ancient Egypt: Cairo; f. 1956; UNESCO assisted; is making surveys of the treasures of Nubia before the flooding caused by the new Aswan dam.

Egyptian Library: Abdin Palace, Cairo; over 20,000 vols.; Dir. ABDEL HAMID HOSNI.

Egyptian (National) Library (*Dar-ul-Kutub*): Midan Ahmed, Cairo; f. 1870; 700,000 vols. (400,000 European); 8 brs. with 100,000 vols., including fine arts library; deposit library; Dir. ABDEL MONEIM OMAR.

Fayum Municipal Library: contains 5,355 vols. (Arabic 4,700, European 655).

Geological Museum Library: Jardin du Ministère de Travaux Publics, Sharia Sultan Hussein, Cairo; 19,000 vols.

Helwan Observatory Library: Helwan; 4,000 vols.

Institute of Advanced Arab Studies Library: Cairo; f. 1953; over 30,000 vols.

Library of the Bank of Egypt: 151 Sharia Mohammed Farid, Cairo; over 5,000 vols.; Dir. MOHAMMED ROUCHDY.

Library of the Academy for the Arabic Language: 26 Mourad Street, Guizeh; f. 1934; 20,000 vols.

Library of the Institute of Hydro-Biology: Kayed Bey, Alexandria; f. 1918; 10,000 vols.; Librarian GIBRIL MOHAMED ALY.

Library of the Geographical Society of Egypt: Sharia Kasr El-Aini, Cairo; f. 1875; over 20,000 vols.

Library of the Greek Orthodox Patriarchate of Alexandria: 136 rue Ambrose Ralli, Alexandria; f. 10th century; 30,000 vols., 530 MSS., 2,000 rare editions; Librarian Dr. T. D. MOSCONAS; publ. *Deltion* (quarterly); houses an Institute for Oriental Studies.

Library of the Institut d'Egypte: 13 Sharia Cheikh Rihane, Cairo: f. 1859; over 160,000 vols.; Librarian Dr. M. KAMEL; publs. *Bulletin, Mémoires*.

Library of the Ministry of Agriculture: Giza-Orman; f. 1920; 25,000 vols.; Dir. LATIF IBRAHIM.

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Library of the Ministry of Commerce and Industry: Sharia Ismail Abaza Pasha; over 20,048 vols.

Library of the Ministry of Education: 16 Sharia El-Falaki, Cairo; f. 1927; the library contains 55,966 vols. (European and Arabic).

Library of the Ministry of Health: Sharia Sultan Hussein, Cairo; over 27,000 vols.

Library of the Ministry of Justice: Midan Lazoghli, Cairo; f. 1929; over 50,000 vols. and periodicals in Arabic, French and English (law and social science); private library for the use of judges and members of the Parquet (public prosecution and criminal investigation authority); a centre attached to the library contains the latest texts of local and comparative legislature on Personal Status; Dir. I. HANAFI.

Library of the Ministry of Public Works: El Tahrir Square, 'El Mogameh' Building, Cairo; over 7,700 vols.

Library of the Ministry of Waqfs: Qoubbih al-Ghoury, Cairo; f. 1942; 20,219 vols.

Library of the Monastery of the Dominican Fathers: 1 Sharia Masna al Tarabish, Abbasiyah, Cairo; f. 1928; 19,000 vols.; Librarian Father ANAWATI.

Library of the Monastery of St. Catherine: Mount Sinai; f. 327; over 3,300 MSS.; the Codex Sinaiticus was discovered in this library in 1856.

Library of the Société Entomologique d'Egypte: 14 Sharia Ramses, P.O. Box 430, Cairo; f. 1907; 23,000 vols. and periodicals.

Mansoura Municipal Library contains 17,984 vols. (Arabic 13,036, European 4,948).

Minoufieh Provincial Council Library: Shebin El Kom. contains 10,180 vols. (Arabic 8,626, European 1,554);

Senate Library: Palace of the Senate, Cairo; f. 1924; over 30,000 vols; Dir. MOHAMMED FARAG EL-DALY.

Sharkia Provincial Council Library: Zagazig; contains 12,238 vols. (Arabic 7,861, European 4,377).

Sohag Municipal Library: f. 1932; contains 9,408 vols.

Tanta Municipal Library: contains 20,943 vols.

MUSEUMS

Agricultural Museum: Dukki; f. 1930; exhibits of ancient and modern methods of Egyptian agriculture, horticulture, irrigation; botanical and zoological sections; Dir. A. Z. NAGA; Curator NIHAD KHOLOUSI.

Cairo Geological Museum: 15 Sheikh Rihan Street, Cairo, Dawawin Post Office; a section of the Geological Survey and Mineral Researches Dept., Ministry of Industry; f. 1898; 26,000 specimens, mostly Egyptian; exhibits illustrating all branches of Geology, especially recent acquisitions connected with revival of industrilization; Dir. ABDEL AZIZ A. HUZAIYIN.

Cairo Museum of Hygiene: Midan-el-Gamhouria, Cairo; Dir. Dr. NAGUIB RIAD.

Coptic Museum: Masr Ateeka, Cairo; f. 1908; sculpture, architecture, ivory, pottery and glass, MSS.; Publ. (1) *Guide to the Coptic Museum and the Principal Ancient Coptic Churches of Cairo*; (2) *Catalogue of the Coptic and Arabic Manuscripts in the Coptic Museum, the Patriarchate, the Principal Churches of Cairo and Alexandria, and the Monasteries of Egypt* (2 vols.); Dir. Dr. BAHUR LABIB.

Cotton Museum: Gezira, Cairo; f. 1923; established by the Egyptian Agricultural Society; all aspects of cotton growing, diseases, pests, and methods of spinning and weaving are shown; Dir. M. EL-BAHTIMI.

Egyptian Museum: Mîdán-el-Tahrir, Kasr El-Nil, Cairo; f. 1900; exhibits from prehistoric times until the 6th century A.D.; excludes Coptic and Islamic periods; Chief Curator Dr. VICTOR GIRGIS; Houses the **Department of Antiquities:** established by decree in 1835 to conserve antiquities; the Department administers the archæological museums and controls excavations; Dir. Dr. ANWAR SHOUKRY: Librarian Miss DIA'ABOU-GHAZI; library contains 27,222 vols.; publs. museum catalogue, *Annals of the Antiquities Service of Egypt, Fouilles à Saqqarah, Les Temples immergés de la Nubie, Les Oasis Egyptiennes*, etc.

Gayer Anderson Pasha Museum: Beit el-Kretlia, Cairo; f. 1936; private collections of Oriental art objects bequeathed to Egypt by R. G. Gayer Anderson Pasha in 1936; Curator YOUNES MAHRAN.

Greco-Roman Museum: Museum Street, Alexandria; f. 1892; exhibits from the Coptic, Roman, and Greek eras; publ. *Annuaire du Musée Gréco-Romain*; Dir. Dr. HENRY RIAD; library of 8,000 vols.; Librarian H. COMBER.

Museum of Islamic Art: Midan Ahmed Maher, Cairo; f. 1881; collection of art objects representing the evolution of Islamic art from the spread of Islam till 1879; Dir. Dr. MOHAMED MOSTAFA; Chief Curator AHMED MAMDOUH HAMDI, Asst. Curators: SOLIMAN AHMED SOLIMAN, ABDEL-RAHMAN FAHMY, ABDEL RAOLF ALY YOUSSEF HUSSEIN; publ. catalogues giving details of the collections and Islamic minor arts studies

Museum of Modern Art: 4 Sharia Kasr El-Nil, Cairo; f. 1920; Curator SALAH E. TAHER.

Railway Museum: Cairo Station; f. 1933; contains models of foreign and Egyptian railways, and technical information and statistics of the evolution and development of the U.A.R. Railways services; the library contains 4,711 vols. (Arabic 2,159, European 2,552); Curator ABDUL FETOUH MUSBAH.

War Museum: The Citadel, Cairo; library of 6,000 vols.

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UNIVERSITIES

AIN SHAMS UNIVERSITY

KASR-EL-ZAAFRAN, ABBASIYAH, CAIRO

Founded 1950.

Rector: Prof. Dr. Ahmed Badwi.
Vice-Rector: Prof. Dr. Naguib Hashad.
Secretary-General: Aly Gamal El-Arousy.

Number of teachers: 582.
Number of students: 22,912.

Deans:

Faculty of Medicine: Prof. Dr. Ahmad Ammar.
Faculty of Arts: Prof. Dr. Mohammed Mahdy Allam.
Faculty of Science: Prof. Dr. Abdel Halim Montassir.
Faculty of Engineering: Prof. Dr. Mohammad Abdel Moghni El Kholi.
Faculty of Agriculture: Prof. Ahmad Abdel Ghaffar Saleh.
Faculty of Commerce: Prof. Abdel Aziz Abdel-Kerim.
Faculty of Law: Prof. Dr. Ezz-El-din Abdallah.
Girls College: Prof. Fathia Hassan Soliman.
Faculty of Education: Prof. Dr. Youssel Salah El-Din Kotb.

As no professor list has been received this year or last from Ain Shams University, the list has been deleted from the present edition.

ALEXANDRIA UNIVERSITY

(Gameat El-Askandria)

BULKELEY, RAMLEH, ALEXANDRIA

Founded 1942.

Rector: Sami Geneina.
Vice-Rector: Dr. Abdul Fattah Mohammad.
Secretary-General: Mohammed Kamel Saddik.

Number of teachers: 435, including 103 professors.
Number of students: 11,000.

Deans:

Faculty of Agriculture: Prof. Shafik Aly El-Khishen.
Faculty of Arts. Prof. Mohammed Khalafalla Ahmad.
Faculty of Commerce: Dr. Mokbel Guemei.
Faculty of Engineering: Prof. Hassan Shafeie.
Faculty of Law: Prof. Hussein Fahmy.
Faculty of Medicine: Dr. Mohamed Abdou Abbassy.
Faculty of Science: Dr. Mahmoud Ahmed El-Cherbiny.

As no professor list has been received this year or last from the University of Alexandria, the list has been deleted from the present edition.

UNIVERSITY OF AL-AZHAR

CAIRO

Founded 970.

Rector: Sheikh Mahmoud Chaltout.
Vice-Rector: Dr. Mohamed El Bahiy.
Directors-General: Sheikh Abdul-Latif Al-Subki, Sheikh Mohammed Al-Tannikhi.
Secretary-General: Sheikh Saleh Muossa Sharaf.
President of the Fatwa Committee: Sheikh Mohammed Hassanein Makhlouf.
Director of Islamic Research Dept.: Sheikh Mohammed Fahim Ismail.
Cultural Officer: Sheikh Mohammed Tewfik Al-Nahas.
Officer of Islamic Missions: Sheikh Taha Sayed Mahmoud.

Number of students: (men) University 3,798, Institutes 25,020; 100 women students were admitted to the University in October 1962.

Publications: *Nour Al Islam, Al-Azhar Review.*

Deans:

Faculty of Theology: Sheikh Mohammed Aly Al-Sayiss.
Faculty of Islamic Jurisprudence: Sheikh Mohammed El-Shafie El-Zawahri.
Faculty of Arabic Language: Sheikh Mohyi El-Dine Abdul-Hamid.
Faculty of Foreign Languages.
Faculty of Engineering.

Principal Institutes Affiliated to the Al-Azhar University:

Assiut Institute: f. 1915; primary section: 642 students; secondary section: 478 students.

Cairo Institute: f. 1903; primary section: 1,704 students; secondary section: 1,656 students.

Damietta Institute (*Mosque of Al Bahr*): f. 1894; primary section: 462 students; secondary section: 213 students; the library contains 8,857 vols.

Ghaza Institute: primary section: 140 students.

Institute of Alexandria: f. 1903; primary section: 381 students; secondary section: 544 students; the library contains 14,268 vols.

Institute of Mansoura: primary section: 1,347 students; secondary section: 774 students.

Institute of Samannoud: primary section: 745 students; secondary section: 274 students.

Islamic Mission Institute: 3,826 students.

Kena Institute: primary section: 582 students; secondary section: 337 students.

Queraat Institute: for the study of the Holy Koran; f. 1939; 438 students.

Shebin El-Kom Institute: f. 1937; primary section: 470 students; secondary section: 478 students; the library contains 1,816 vols.

Sohag Institute: primary section: 428 students; secondary section: 533 students.

Tanta Institute (*Al Gami' El Ahmady*): f. 1276, renewed 1769; public division: 65 students; primary section: 1,956 students; secondary section: 1,382 students; the library contains 6,741 vols.

Zagazig Institute: primary section: 1,369 students; secondary section: 750 students.

AMERICAN UNIVERSITY AT CAIRO

113 SHARIA KASR EL-AINI, CAIRO

Telephone: 21830

(American Address: 175 Fifth Avenue, N.Y. 10, N.Y.).

Founded 1919.

President: Raymond McLain, M.A., D.D., LL.D.
Treasurer: Harlan D. Conn, M.A.
Registrar: Michel Wahba, M.A.
Librarian: George H. Gardner, A.M.

The library contains 43,000 volumes.
Number of teachers: 65, including 10 professors.
Number of students: 732.
Publication: *Journal of Modern Education* (Arabic) (Editor Dr. Amir Boktor).

Deans:

Undergraduate Faculty and *Faculty of Arts and Science:* Morgan S. Odell.
Faculty of Education: Amir Boktor, PH.D.
Division of Extension: Hanna Rizq, M.A.
Graduate Faculty and School of Oriental Studies: Marsden Jones.
Social Research Centre: Laila el Hamamsy.

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UNIVERSITY OF ASSIUT

ASSIUT

Founded 1957

Rector: Dr. Soliman Ahmed Huzayyin.
Vice-Director: Dr. Mohammed El-Moatassim.
Secretary-General: Mohamed El-Hamy Ahmed.
Vice Secretary-General: Abdel-Hady Raafat.

Deans:

Faculty of Science: Dr. Hussein Ahmed Fahim.
Faculty of Engineering: Dr. Mohammed Abdel Kalim.
Faculty of Agriculture: Dr. Gaafer El-Malakh.
Faculty of Medicine: Abdel Wahab el Borollossy.
Faculty of Pharmacy: Abd el Aziz el Hâgiry.

CAIRO UNIVERSITY

SHARIA HADIKET EL-ORMANE, CAIRO

Founded in 1908 as the Egyptian University, a private institution, under the auspices of a committee headed by Prince Ahmed Fouad Pasha (later King Fouad I), in whose memory the university was renamed in 1940. In 1925 it became a state institution, consisting of the Faculties of Arts, Science, Law and Medicine, this last incorporating the School of Medicine and Pharmacy at Kasr el Aini. In 1935 Faculties of Engineering, Agriculture, Commerce and Veterinary Science were founded, and the Arabic teacher-training institution, Dar El-Olum, was incorporated in 1945. The separate Faculties of Pharmacy and Dentistry were formed in 1955.

Rector: Dr. Ahmed Badawi.
Secretary-General: Abdel Azim Shehata.

Number of teachers: 1,380.
Number of students: 34,000.

Deans:

Faculty of Arts: Mohamed Abdel Moneim Abu-Bakr.
Faculty of Law: Mahmoud Mustafa Khalil.
Faculty of Medicine: Mahmoud Abdel Hamid Attia.
Faculty of Economics and Political Science: Mohamed Zaki Shafei.
Faculty of Science: Hussein Said.
Faculty of Commerce: Mohammad Kamel el Harouni.
Faculty of Engineering: Mohammad Shereef Nouman.
Faculty of Dentistry: Ayoub Amer.
Faculty of Pharmacy: Mohamed Abdel Azim Hofni.
Faculty of Veterinary Medicine: Abdel Maguid Wahby.
Faculty of Agriculture: Abdel Latif Badr El Din.
Faculty of Islamic Studies: Ibrahim Anis.

Professors:

Faculty of Agriculture:
El Abideen, Abdalla Zein (Soil).
El Azouni, Moh. Mahdy (Plant Production).
El Din, Abdel Latif Badr (Animal Production).
El Ghamrawy, Ali Kamel (Agricultural Botany).
El Rouly, Ali Hafez (Plant Production).
El Shawarbi, Mahmoud Yaussef (Soil).
Ezzat, Ahmad Kamel (Plant Protection).
Fahmy, Ali Hussein (Agricultural Industries).
Ghoneim, Ahmad Mohammed (Animal Production).
Hassan, Ahmad Salem (Plant Protection).
Hussein, Abdel Aziz (Agricultural Industries).
Malak, Yaussef Abdel (Agricultural Botany).

Faculty of Arts:
Abu-Bakr, Abdel Moneim (Archæology).
Aly, Zaki (History).
Amin, Osman (Philosophy).
Deif, Ahmad Shawky Abdel Salam (Arabic Language).
El-Bakri, Moh. Hamdi (Librarianship and Documentation).
El Kalamawy, Sahheer (Arabic Language).
El Khashaab, Yehya (Oriental Languages).
Ezzat, Abdel Aziz (Sociology).
Farid, Ezzeddeen (African Studies).
Hamza, Abdellatif Moh. (Journalism and Translation).
Kamel, Murad (Oriental Languages).
Matta, Guirgis (Archæology).
Metwally, Mohammad (Geography).
Murad, Yussef (Philosophy).
Osman, Hassan (African Studies).
Rizkana, Ibrahim Ahmed (Geography).
Ziada, Moh. Mustafa (History).

Faculty of Commerce:
Abbas, Mohammad Hosny (Legal Sciences).
El Harouni, Mohammad Kamel (Accountancy).
Hafez, Moh. Abdel Rahman (Taxes).
Ismail, Ahmad Ahmad Abu (Political Science).
Messiha, Wahib (Economics).
Rahman, Ahmad Gad Abdel (Statistics, Insurance, Mathematics).

Faculty of Medicine:
Attia, Mahmoud Abdel Hamid (Ophthalmology).
El Batrawy (Anatomy).
El Diwani, Mustafa (Pædiatrics).
El Sharkawi, Abdel Hai Mah (Special Surgery).
El Sherbini, Mustafa Kamel (Surgery).
El Tobgui, Abdel Fattah (Ophthalmology).
Fauzi, Riad Mustafa (Special Surgery).
Gaafar, Mohammed Mohammed (General Medicine).
Gunaina, Youssef Helmi (Special Medicine).
Hashem, Mustafa (Pathology).
Hassan, Mohammad Abdel Hamid (Pathology).
Hassaneim, Moh. Amin (Physiology).
Helmy, Ismail Saleh (Endemic Medicine).
Ibrahim, Mohammed (Medicine).
Ismail, Mahmoud (Gynæcology and Obstetrics).
Mazhar, Khalil (Gynæcology and Obstetrics).
Mehrez, Ismail (Surgery).
Moussa, Ahmad Hafez (Endemic Medicine).
Sami, Abdel Azziz (Special Medicine).
Seif, Nessim Abu (Radiography).
Soliman, Mohammed Ahmad Moh. (Forensic Medicine).
Talaat, Mohammad (Physiology).
Vacant—Hygiene, Preventive and Industrial Medicine.)

Faculty of Darel Ulum:
Ahmad, Ibrahim Anis (Linguistics and Semetic Studies).
El Dessouku, Omar Ibrahim (Literary Studies).
El Hawary, Abbas Hassan (Grammar, Etymology and Prosody).
Haroun, Abdel Salam Mohammed (Grammar, Etymology and Prosody).
Kasem, Mahmoud Mohammad (Islamic Philosophy).

Faculty of Law:
El Badrawi, Abdel Monem El Said (Civil Law).
El-Emary, Ahmad Sweilam (Political Science).
Khalil, Mahmoud Mahmoud Mustafa (Criminal Law).
Morcos, Soliman (Civil Law).
Osman, Osman Khalil (Public Law).
Rahman, Gaber Gad Abdel (International Law).
Rizkalla, Ramzy Seif (Law of Criminal and Civil Procedure).
Shafik, Mohsen (Commercial and Maritime Law).
Sultan, Hamed (International Law).

Faculty of Engineering:
Bakhoum, Naguib (Mathematics and Physics).
El Ansary, Saed (Chemical Engineering).
El Dimirdash, Ibrahim Adham (Aeronautics).
Fahmi, Hassan Hussein (Mechanical Engineering).
Hafez, Mohammad (Public Works).
Hilal, Mohammad (Construction Engineering).
Ibrahim, Mohammad Mah. (Mining and Petrology).
Ismail, Hassan (Irrigation and Hydraulics).
Khafagy, Anwar (Irrigation and Hydraulics).
Mahmoud, Hamam Moh. (Electrical Engineering).

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MAKHO, WILLY (Mining and Petrology).
MOHAMMAD, ALI HASSAN (Mechanical Engineering).
NOUMAN, MOH. SHEREEF (Architecture).
SAID, NASEEF (Mathematics and Physics).
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KHALIL, FOUAD (Zoology).
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HEBA, MAHMOUD HANAFY (Pathology and Parasitology).
MAHMOUD, AHMAD HOSNI (Medicine and Infectious Diseases).
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SIDKY, YUSSEF (Physiology).
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COLLEGES

Ecole Française de Droit: Mounira, Cairo; f. 1893.

Higher Institute for Agriculture: Shebin El-Kom; number of teachers 15, students 60.

Dean: AHMED ABDEL LATIF EL-NAYAL.

Higher Institute of Finance and Commerce: 26 Sharia Safia Zaghloul, Mounira, Cairo; f. 1942; number of students: 650.

Dean: ABDEL LATIF HUSSEIN.

Higher Institute for Women Teachers of Arts: Boulac, Cairo; number of teachers 58, students 301.

Dean: SITT AISHA IKBAL RASHED.

Institute of Education: 16 Sharia Amin Samy Pasha, Mounira, Cairo; f. 1929; teachers' training institute: education, psychology, teaching method, art, etc., and courses leading to M.A. (ED.) and PH.D. degrees; number of students 370.

Deans: M. F. EL-AMROUSSY, A. HASSOUNA, Dr. A. A. EL-KERDANY, I. M. EL-KABBANY, M. F. ABU-HADEED, Dr. A. KOUSSY, DIP.ED., M.SC., PH.D. (London).

Mansoura Polytechnic Institute: Mansoura, Lower Egypt; courses in production, mechanical, civil and electrical engineering and industrial organisation.

People's Cultural Centre: 94 Sharia Kasr El-Aini, Cairo; f. 1946; centre for adult education.

Director: MOHAMMED FATHI.

Arab States Training Centre for Education for Community Development (ASFEC): Sirs-el-Lavyan, Menoufia; f. 1952; training of specialists, production of prototype educational material, research in community development problems.

SCHOOLS OF ART AND MUSIC

College of Fine Arts: Zamalek, Cairo; f. 1928; number of teachers 41, students 381.

Dean: Prof. Dr. AWAD KAMEL FAHMI.
Registrar: MORCOS FARAG.
Librarian: M. N. COUTRY.

The library contains 5,134 volumes.

Higher School of Applied Arts: Giza; number of teachers 34, students 200.

Director: Mtre. AHMED YOUSEF.

Higher Institute of Theatrical Art: 15 El-Maahad El-Swisszy Street, Zamalek, Cairo; f. 1958; Dir. S. KHATTAB.

Higher Institute of Cinema: Cairo; f. 1959; Dir. M. KARIM.

Higher Institute of National Music (Conservatoire): Cairo; f. 1959; Dir. Dr. ABO BAKR KHARAT.

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American Academy of Arts and Sciences, 280 Newton Street, Brookline Station, Boston 46, Mass.; f. 1780; 1,900 mems.; Pres. HODSON HOAGLAND; Sec. JOHN R. RAPER; publs. *Bulletin, Memoirs, Proceedings* (*Daedalus*), *Records.*

American Council of Learned Societies, 345 E. 46th Street, New York 17, N.Y.; f. 1919; 31 societies; Pres. FREDERICK BURKHARDT; publs. *Annual Report, Newsletter* (monthly, October through May).

Battelle Memorial Institute, 505, King Avenue, Columbus 1, Ohio; f. 1929 for the encouragement of scientific research; provides plant, equipment and personnel, so that industrial concerns, individuals or government agencies may contract for its services; 3,200 mems.; library of more than 60,000 vols.; laboratories in Columbus (Ohio), Frankfurt-am-Main, and Geneva; office in London; Pres. B. D. THOMAS; publ. *Battelle Technical Review.*

Brookings Institution, 1775 Massachusetts Avenue, N.W., Washington 36, D.C.; f. 1927; Center for Advanced Study inaugurated in 1961; economic and political research; seminars for management; Pres. ROBERT D. CALKINS; Sec. EDNA M. BIRKEL.

Carnegie Corporation of New York, 589 Fifth Avenue, New York 17, N.Y.; f. 1911 by Andrew Carnegie for the advancement of knowledge and understanding among peoples of the U.S. and British Commonwealth; primary interests: higher education and public and international affairs; grants to colleges and universities and professional and educational organisations; 15 trustees; Pres. JOHN W. GARDNER; Sec. FLORENCE ANDERSON; publs. *Annual* and *Quarterly Reports.*

Carnegie Institution of Washington, 1530 P Street, N.W., Washington 5, D.C.; f. 1902 "to encourage, in the broadest and most liberal manner, investigation, research and discovery, and the application of knowledge to the improvement of mankind" :Pres. CARYL P. HASKINS; Chair Board of Trustees BARKLIE MCKEE HENRY; the Institution has the following Departments:

Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena 4, Calif.; Dir. IRA S. BOWEN; Mount Wilson Observatory organised in 1904; unified operation with the Palomar Observatory of the California Institute of Technology began April 1st, 1948.

Geophysical Laboratory, 2801 Upton Street, N.W., Washington 8, D.C.; f. 1906; Dir. PHILIP H. ABELSON.

Department of Terrestrial Magnetism, 5241 Broad Branch Road, N.W., Washington 15, D.C.; f. 1904; Dir. MERLE A. TUVE.

Department of Plant Biology, Stanford, Calif.; f. 1903; Dir. C. STACY FRENCH.

Department of Embryology, Wolfe and Madison Streets, Baltimore 5, Maryland; f. 1914; Dir. JAMES D. EBERT.

Genetics Research Unit, Cold Spring Harbor, Long Island, N.Y.; f. 1904 (formerly Department of Genetics); Dir. ALFRED D. HERSHEY.

Commonwealth Fund: 1 East 75th Street, New York, N.Y.; f. 1918; grants for medical education and advanced medical fellowships; endowment of $77,000,000; Chair. of Board MALCOLM P. ALDRICH; Pres. QUIGG NEWTON; Vice-Pres. JOHN A. GIFFORD; Treas. WILLIAM H. MOORE; publ. *Annual Report.*

Duke Endowment, 30 Rockefeller Plaza, New York, N.Y.; f. 1924; to promote the physical, mental and spiritual welfare of residents of the South; grants are made to Duke University, schools, hospitals, Methodist Churches, etc.; Chair. GEORGE G. ALLEN; Vice-Chair. NORMAN A. COCKE, ALEX H. SANDS, Jr.; Sec. PHILIP B. HEARTT; Treas. RANDOLPH E. DUMONT.

Ford Foundation, 477 Madison Avenue, New York 22, N.Y., f. 1936 by Henry and Edsel Ford; a non-profit corporation, dedicated to the advancement of human welfare, principally through the support of education; book assets as of September 30th, 1962—$2,294,176,345; Chair. of Board JOHN J. MCCLOY; Pres. HENRY T. HEALD.

Franklin Institute of the State of Pennsylvania, Benjamin Franklin Parkway, at 20th Street, Philadelphia 3, Pa.; f. 1824; is one of the oldest institutions in the U.S.A. devoted to the study and promotion of the mechanic arts and applied science; its Committee on Science and Arts awards the "Franklin Medal" and a number of other medals and certificates of merit; its Laboratories for Research and Development specialise in research

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for industry and government in the field of applied physical sciences; the Bartol Research Foundation (Swarthmore) was established in 1921 to study fundamental problems of physical science; 7,900 mems.; extensive library of science, engineering, and industry, with complete U.S. and British patent specifications; a museum of science and industry which includes a Zeiss planetarium; an observatory open to the public; Pres. W. LAURENCE LEPAGE; Sec. W. F. JACKSON, Jr.; publs. *Journal of the Franklin Institute* (first issued 1826), *Institute News*.

John Simon Guggenheim Memorial Foundation, 551 5th Avenue, New York 17, N.Y.; offers Fellowships for research in any field of knowledge and for artistic creation in any of the fine arts, including music; Pres. Mrs. SIMON GUGGENHEIM; Vice-Pres. and Sec.-Gen. HENRY ALLEN MOE; Treas. ERNEST M. LUNDELL, Jr.; publs. *Annual Announcement of Fellowships, Reports of the Secretary and Treasurer* (biennial).

Maryland Academy of Sciences, 400 Cathedral Street, Baltimore 1, Maryland; f. 1797, as an educational and scientific institution, and for the diffusion and explanation of scientific information to the public; 1,300 mems.; Chair. ALLAN C. DAVIS; Pres. RICHARD H. TURK; Vice-Pres. J. COOKMAN BOYD, Jr.; Dir. NIGEL WOLFF; publs. *Monthly Newsletter, Graphic Timetable of the Heavens, Bulletins* by the Archeology Society of Maryland, Baltimore Astronomical Society and Baltimore Mineral Society, sections of the Academy.

National Institute of Arts and Letters, 633 West 155th Street, New York 32, N.Y.; f. 1898; 250 mems.; Pres. MALCOLM COWLEY; Sec. MARCHETTE CHUTE.

New York Academy of Science, The: 2 East 63rd Street, New York 21, N.Y.; f. 1817; 17,000 mems.; Pres. CHARLES W. MUSHETTE (1963); Pres.-Elect J. JOSEPH LYNCH; Vice-Presidents, KARL MARAMOROSCH, C. CHESTER STOCK; Exec. Dir. EUNICE THOMAS MINER; Sectional Chair. PRESTON L. PERLMAN (Biological and Medical Sciences), ROBERT HECKEL (Anthropology), WALTER E. TOLLES (Instrumentation), H. CHRISTINE REILLY (Microbiology), GEORGE KETTNER BENNETT (Psychology), MINORU TSUTSUI (Chemical Sciences), J. J. BURNS (Biochemistry), BARTHOLOMEW S. NAGY (Geological Sciences), M. H. KALOS (Physical Sciences), JOHN S. LAUGHLIN (Biophysics), JOSEPH F. SKELLY (Engineering), MARY P. DOLCIANI (Mathematics), RICHARD L. PFEFFER (Planetary Sciences); publs. *Monthly Program, Transactions, Annals, Scientific Survey of Puerto Rico, The Sciences*.

Rockefeller Foundation, The: 111 West 50th Street, New York 20, N.Y.; f. 1913. The present work of the Foundation is carried out in three spheres, as follows: Medical and Natural Sciences, Agricultural Sciences and Humanties and Social Sciences. Except to a limited extent (at present in virology and agriculture) the Foundation does not itself engage in research, but seeks to advance its purposes through grants to universities, research instutites and other qualified agencies conducting work within the scope of the Foundation's programme, and in the training, through post-doctoral fellowships, of competent personnel in its various fields of interest. The Foundation's principal fund, as at Dec. 31st, 1961, was $553,530,293.44 (market value). Chair. of Board of Trustees JOHN D. ROCKEFELLER 3rd. Pres. J. GEORGE HARRAR; Vice-Pres. KENNETH W. THOMPSON; Sec. FLORA M. RHIND; Treas. EDWARD ROBINSON; Comptroller ROWE S. STEEL; ROBERT S. MORRISON, M.D., Dir. Medical and Natural Sciences; ALBERT H. MOSEMAN, Dir. Agricultural Sciences; LELAND C. DEVINNEY and CHADBOURNE GILPATRIC, Deputy Dirs., Humanities and Social Sciences; publs. *President's Review, Annual Report, Rockefeller Foundation Grants* (a brief quarterly report), *The Rockefeller Foundation Program in the Agricultural Sciences* (Annual Report).

Russell Sage Foundation, 505 Park Avenue, New York 22, N.Y.; inc. 1907; established by Mrs. Russell Sage for promoting the improvement of social and living conditions in the United States; the Foundation conducts a programme of studies directed toward increasing the utilisation of results of social science research by practitioners in all fields of social practice; Chair. ELI WHITNEY DEBEVOISE; Pres. DONALD YOUNG; Treas. DAVE H. MORRIS, Jr.; Sec. LEONARD S. COTTRELL, Jr.; publs. reports of its studies, *Annual Report and Catalogue* (available on request).

Southern Council of Research, Times Building, Henderson, Texas; f. 1939 to encourage research of all kinds; Chair. GARLAND R. FARMER.

Twentieth Century Fund, 41 East 70th Street, New York 21, N.Y.; f. 1919 by the late Edward A. Filene as an endowed foundation for research and public education on current economic and social problems. Chair. of the Board of Trustees ADOLF A. BERLE: Chair. of Exec. Cttee. FRANCIS BIDDLE; Dir. AUGUST HECKSCHER; publs. *Annual Report, Newsletter*, and reports of Fund studies.

Wenner-Gren Foundation for Anthropological Research, Inc. (formerly The Viking Fund, Inc.): 14 East 71st Street, New York 21, N.Y.; inc. 1941; promotes and supports research in anthropology and related sciences; Dir. of Research LITA BINNS FEJOS.

W. K. Kellogg Foundation, 250 Champion Street, Battle Creek, Mich.; f. 1930; administers funds for non-partisan, non-profit agricultural, educational and health activities in the public interest; Pres. EMORY W. MORRIS; Vice-Pres. GLENN A. CROSS; Sec. LEONARD L. WHITE; Treas. ORVILLE L. DEBOLT; publ. *Annual Report*.

AGRICULTURE, BOTANY, HORTICULTURE

American Dairy Science Association, 32 Ridgeway Circle, White Plains, N.Y.; f. 1906; 2,800 mems.; Pres. S. T. COULTER; Sec.-Treas. H. F. JUDKINS; publ. *Journal of Dairy Science* (monthly).

American Forestry Association, 919 17th Street, N.W., Washington 6, D.C.; f. 1875; 30,000 mems.; Exec. Vice-Pres. FRED E. HORNADAY.

Agricultural History Society, Business Office, Room 3869, South Agriculture Building, Washington 25, D.C.; f. 1919 to stimulate interest in, promote the study of, and facilitate research and publication on the history of agriculture; incorporated 1924 as a non-profit organisation; Pres. WEYMOUTH I. JORDAN; Sec. WAYNE D. RASMUSSEN; Editor FRED W. KOHLMEYER; publ. *Agricultural History* (quarterly, f. 1927).

American Horticultural Society Inc. The, 1600 Bladensburg Road, Northeast, Washington 2, D.C.; f. 1922 to promote horticulture in all its branches; Sec. Mrs. GRACE P. WILSON; publs. *The American Horticultural Magazine* (quarterly), *AHS Gardeners' Forum* (8 times a year).

American Phytopathological Society, f. 1908; 2,470 mems.; Sec. J. RALPH SHAY, Purdue University, Lafayette, Indiana; publs. *Phytopathological Monographs, Phytopathology, Phytopathological Classics, Plant Pathology, Problems and Progress 1908-1958*.

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American Rose Society, 4048 Roselea Place, Columbus 14, Ohio; org. March 1899, inc. July 1921; membership over 16,500; Exec. Sec. LAWRENCE G. MCLEAN; Board of 34 dirs.; publs. *The American Rose Annual, The American Rose Magazine* (monthly).

American Society of Agronomy, 677 South Segoe Road, Madison 11, Wis.; f. 1908; 4,800 mems.; Sec. MATTHIAS STELLY; publs. *Agronomy Journal* (bimonthly), *Crops and Soils* (9 times a year), *Agronomy, Monographs.*

American Society of Animal Science, Oregon State University, Corvallis, Oregon; f. 1908; Sec.-Treas. J. E. OLDFIELD; publ. *Journal of Animal Science* (quarterly).

American Society for Horticultural Science, East Lansing, Michigan; f. 1903; 2,750 mems.; Sec.-Treas. ROY E. MARSHALL, Room 301, Horticultural Bldg., Michigan State University; publ. *Proceedings* (twice a year).

American Society of Parasitologists, f. 1925; 1,000 mems.; Sec. F. J. KRUIDENIER, Zoology Dept., Univ. of Illinois, Urbana, Ill.; publ. *The Journal of Parasitology* (bi-monthly).

American Society of Plant Physiologists, f. 1924; 1,800 mems.; Pres. M. CALVIN; Vice-Pres. S. ARONOFF; Sec. B. STOWE; publ. *Plant Physiology* (6 issues a year).

American Society of Landscape Architects, Inc.: 2000 K Street N.W., Washington 6, D.C.; f. 1899, inc. 1916 as a professional association; 2,050 mems. and affiliates; Exec. Dir. LYNN M. F. HARRISS; publ. *Landscape Architecture* (quarterly), Editor GRADY CLAY, 344 So. Peterson Ave., Louisville 6, Ky.

Botanical Society of America, Inc., Dept. of Botany, University of Texas, Austin, Texas; f. 1906; 2,500 mems.; Sec. B. L. TURNER; publ. *American Journal of Botany* (monthly), *Plant Science Bulletin* (quarterly).

National Audubon Society, 1130 5th Avenue, New York 28, N.Y.; f. 1905; membership: approx. 40,000 adult mems., 250,000 junior mems. annually; 300 branch and affiliated clubs; Pres. CARL W. BUCHHEISTER; Sec. ROGER TORY PETERSON; publs. *Audubon Magazine* (bimonthly), *Audubon Field Notes* (bi-monthly), miscellaneous bulletins.

Poultry Science Association, Sec.-Treas. C. B. RYAN, Department of Poultry Science, Texas A. and M. College, College Station, Texas.

Society of American Foresters, 704 17th Street, N.W. (at Pennsylvania Avenue), Washington 6, D.C.; f. 1900; 14,200 mems.; Pres. PAUL M. DUNN; Sec. HENRY CLEPPER; publs. *Journal of Forestry* (monthly), *Forest Science* (quarterly).

Soil Science Society of America, f. 1936; 2,500 mems.; affiliated with the American Society of Agronomy; Sec. Dr. MATTHIAS STELLY; 677 South Segoe Road, Madison 11, Wis.; publ. *Soil Science Society of America Proceedings* (bimonthly).

ANTIQUARIANISM AND ARCHÆOLOGY

American Academy in Rome, 101 Park Avenue, New York 17, N.Y.; f. 1894; Pres. MICHAEL RAPUANO; Exec. Sec. MARY T. WILLIAMS; Rome address: Via Angelo Masina 5; Dir. RICHARD A. KIMBALL.

American Antiquarian Society, 125 Salisbury Street and Park Avenue, Worcester 9, Mass.; f. 1812; 200 mems.; Dir. CLIFFORD K. SHIPTON.

American Numismatic Association, 3520 N. 7th Street, Phoenix 14, Arizona; f. 1891; Gen. Sec. DON SHERER.

American Numismatic Society, Broadway at 156th Street, New York 32, N.Y.; f. 1858; 1,199 mems.; Pres. SAMUEL R. MILBANK; Sec. SAWYER MCA. MOSSER; Chief Curator GEORGE C. MILES; Librarian RICHARD P. BREADEN; publs. *Numismatic Literature* (quarterly), *Numismatic Notes and Monographs, Numismatic Studies, Museum Notes, Hispanic Numismatic Series* (all irregular).

Archæological Institute of America, 5 Washington Square; North New York 3, N.Y.; f. 1879; about 3,700 mems., Gen. Sec. CLAIREVE GRANDJOUAN; publs. *American Journal of Archæology* (quarterly), *Archæology* (illustrated quarterly).

Arizona Archæological and Historical Society, Arizona State Museum, Univ. of Arizona, Tucson, Arizona; f. 1916; 250-300 mems.; Pres. RAYMOND SUMMERS; Sec. Mrs. MILDRED OGG; publ. *The Kiva.*

Concord Antiquarian Society, Lexington Road and Cambridge Turnpike, Concord, Mass.; f. 1886; 700 mems.; Pres. FREDERICK GOODING; Sec. Mrs. EDWARD B. THOMAS; Curator Mrs. HOWARD W. KENT; publ. *Handbook.*

Mediæval Academy of America, 1430 Massachusetts Avenue, Cambridge 38, Massachusetts; inc. 1925; f. for the conduct, encouragement, promotion, and support of research, publication, and instruction in medieval records, literature, languages, art, archæology, history, philosophy, science, life, and all other aspects of medieval civilisation; Pres. ALBERT C. BAUGH; Treas. JOHN NICHOLAS BROWN; Clerk TAYLOR STARCK; Exec. Sec. and Editor of *Speculum* CHARLES R. D. MILLER; publs. *Speculum: A Journal of Medieval Studies* (quarterly), *Publications of the Mediæval Academy of America,* Vols. 1 to 77.

Paleontological Research Institution, 109 Dearborn Place, Ithaca, N.Y.; f. 1932; Dir. Dr. KATHERINE PALMER; publs. *Bulletins of American Paleontology, Palæontographica Americana, etc.*

Paleontological Society, f. 1909; 860 mems.; Sec. HARRY B. WHITTINGTON, Museum of Comparative Zoology, Harvard Univ., Cambridge 38, Mass.; publ. *Journal of Paleontology.*

School of American Research: Box 1554, Santa Fé, New Mexico; f. 1907; sponsors research in archaeology and allied sciences; extensive collections in archaeology, ethnology and art; Chair. JOHN GAW MEEM; Vice-Chair. HENRY R. HOYT; Sec. OLIVER SETH; Treas. PARKER WILSON.

ART AND ARCHITECTURE

American Academy of Arts and Letters, 633 West 155th Street, New York 32, N.Y.; f. 1904; 50 mems.; Pres. DOUGLAS MOORE; Sec. JOHN HERSEY.

American Institute of Architects, 1735 New York Avenue, N.W., Washington 6, D.C.; f. 1857; 15,000 mems.; Exec. Dir. WILLIAM H. SCHEICK; publs. *The Journal, Memo.*

American Society of Industrial Designers, Inc., 15 East 48th Street, New York 17, N.Y.; f. 1944 as a professional association; 242 mems.; Sec. RAMAH R. LARISCH.

Archives of American Art: 5200 Woodward Avenue, Detroit 2, Mich.; f. 1954; documents relating to American Art in the original and on microfilm; approx. 1,300,000 items; Dir. E. P. RICHARDSON; Exec. Dir. WILLIAM E. WOOLFENDEN; Archivist GARNETT MCCOY.

College Art Association of America, 432 Fourth Avenue, New York 16, N.Y.; f. 1912; 3,300 mems.; Business Man. EUGENE J. LESSARD; Sec. BARTLETT H. HAYES, Jr.; publs. *Art Bulletin* (quarterly), *College Art Journal* (quarterly).

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Fine Arts Federation of New York, 115 East 40th Street, New York 16, N.Y.; f. 1895 to ensure united action by the Art Societies of New York in all matters affecting their common interests; mems. are 14 leading professional societies of architecture, painting, sculpture, landscape architecture, etc.; 98 delegate mems.; Pres. WHITNEY NORTH SEYMOUR; Sec. KATHERINE THAYER HOBSON.

National Academy of Design, 1083 Fifth Avenue, New York 28, N.Y.; f. 1825; membership composed exclusively of artists, divided into two groups, Associates and Academicians; sections: painting, sculpture, water colour, graphic arts, architecture; Pres. EDGAR I. WILLIAMS, N.A.; Corres. Sec. LOUIS BOUCHE, N.A.

Art School of the National Academy, 5 East 89th Street, New York; Dir. VERNON C. PORTER.

National Sculpture Society, 1083 Fifth Avenue, New York 28, N.Y.; f. 1893, inc. 1896; approx. 450 mems.; Sec. ROBERT A. WEINMAN; publ. *National Sculpture Review* (quarterly).

National Society of Mural Painters, Inc., 1083 Fifth Avenue, New York 28, N.Y.; f. 1893, inc. 1895; 200 mems.; Pres. ALLYN COX; Sec. HELEN TREADWELL; publ. *Newsletter* (irregular).

Society of Architectural Historians: Box 94, Media, Penn.; f. 1940; Pres. Prof. J. D. FORBES; Exec. Sec. Mrs. ROSANN S. BERRY.

ASTRONOMY AND METEOROLOGY

American Astronomical Society, University of Illinois Observatory, Urbana, Ill.; f. 1897, inc. 1928; 1,300 mems.; Sec. Prof. G. C. MCVITTIE; publs. *The Astronomical Journal* (was acquired by the Society in 1941; the Council appoints the Editor and three associate editors; present Editors, Dr. DIRK BROUWER and Dr. HARLAN SMITH, of Yale University Observatory); the Society also collaborates with the University of Chicago in the publication of the *Astrophysical Journal.*

American Geophysical Union (of the National Academy of Sciences—National Research Council), 1515 Massachusetts Ave., N.W., Washington 5, D.C.; f. 1919; is the United States National Committee of the Int. Union of Geodesy and Geophysics, has eight sections: Geodesy; Seismology; Meteorology; Geomagnetism and Aeronomy; Oceanography; Volcanology, Geochemistry and Petrology; Hydrology; Tectonophysics; Planetary Science; 7,600 mems.; Pres. THOMAS F. MALONE; Gen. Sec. A. NELSON SAYRE; Exec. Sec. WALDO E. SMITH; publs. *Journal of Geophysical Research* (fortnightly), *Transactions* (quarterly), *Reviews of Geophysics* (quarterly), *Geophysical Monograph Series* (intermittent), *Antarctic Research Series* (in progress), English edition of *Izvestiya*, Geophysics Series of Acad. of Sciences, U.S.S.R. (monthly), of *Geodesy and Aerophotography*, U.S.S.R. (bimonthly), *Geomagnetism and Aeronomy* (bimonthly), and of other Russian publications in geophysics.

American Meteorological Society, f. 1919, inc. 1920; 8,200 mems.; Pres. (1962-63) Prof. MORRIS NEIBURGER; Exec. Sec. KENNETH C. SPENGLER, 45 Beacon Street, Boston 8, Mass.; publs. *Bulletin, Meteorological Monographs, Meteorological and Geoastrophysical Abstracts, Weatherwise, Journal of the Atmospheric Sciences, Journal of Applied Meteorology, Compendium of Meteorology, Dynamic Meteorology and Weather Forecasting, Glossary of Meteorology, Conference Proceedings, Vilhelm Bjerknes Memorial Volume. The History of American Weather,* educational monographs, translations.

Arthur J. Dyer Observatory, Vanderbilt University, Nashville, Tenn.; f. 1952; specialises in research on structure of the Milky Way, photo-electric photometry of variable stars and image-intensification; equipped with combination 24-in. reflecting and Baker-Schmidt telescope; Dir. ROBERT H. HARDIE; publ. *Reprints Series.*

Seismological Society of America, 465 California Street, San Francisco, Calif.; f. 1906; 977 mems.; Sec. KARL V. STEINBRUGGE; publ. *Bulletin* (bimonthly).

BIOLOGY

American Institute of Biological Sciences, 2000 P Street, N.W., Washington 6, D.C.; mems.: 51 societies, approx; 85,000 mems.; 18 associated commercial concerns; Pres. Dr. JAMES EBERT; Exec. Dir. Dr. JOHN R. OLIVE. publs. *The AIBS Bulletin* (6 times yearly, circ. 34,000), *The Quarterly Review of Biology* (circ. 6,000).

Eastern North American Region Biometric Society, Pres. G. DARMOIS, University of Paris; Sec. M. J. HEALY.

Ecological Society of America, f. 1915; 2,500 mems.; Sec. PAUL G. PEARSON, Dept. of Zoology, Rutgers University, New Brunswick, N.J.; publs. *Bulletin, Ecology, Ecological Monographs* (all quarterly).

Federation of American Societies for Experimental Biology, 9650 Wisconsin Avenue, Washington 14, D.C.; f. 1912; member societies—American Physiological Society, American Society of Biological Chemists, American Society for Pharmacology and Experimental Therapeutics, American Society for Experimental Pathology, American Institute of Nutrition, American Association of Immunologists; Exec. Officer MILTON O. LEE; publ. *Federation Proceedings.*

Society for Experimental Biology and Medicine: 630 West 168 St., New York 32, N.Y.; f. 1903; 3,557 mems. plus 3,318 subscribers; Sec. and Chief Editor W. S. ROOT; publ. *Proceedings* (monthly).

CHEMISTRY

American Chemical Society, 1155 16th Street, N.W., Washington 6, D.C.; f. 1876; 94,000 mems.; Exec. Sec. ALDEN H. EMERY; publs. *Chemical and Engineering News, Industrial and Engineering Chemistry, Analytical Chemistry, Chemical Abstracts Service, Journal of Physical Chemistry, Journal of the American Chemical Society, Journal of Agricultural and Food Chemistry, Journal of Organic Chemistry, Journal of Chemical and Engineering Data, Chemical Reviews, Biochemistry, Journal of Chemical Documentation, Chemistry, Inorganic Chemistry, Journal of Medicinal and Pharmaceutical Chemistry.*

American Institute of Chemists, 60 E. 42nd Street, New York 17, N.Y.; f. 1923; approx. 3,000 mems.; Sec. JOHN KOTRADY; publ. *The Chemist.*

American Pharmaceutical Assocation, Inc., 2215 Constitution Avenue, N.W., Washington 7, D.C.; f. 1852; 33,000 mems.; Exec. Dir. Dr. WILLIAM S. APPLE; publs. *Journal of the American Pharmaceutical Assen.* (monthly as from Jan. 1st, 1961, formerly *Journal of the American Pharmaceutical Assen., Practical Pharmacy edn.*), *Journal of Pharmaceutical Sciences* (monthly, formerly *Journal of the American Pharmaceutical Assen. Scientific edn.*), *National Formulary* (every five years).

American Society of Biological Chemists, Inc., 9650 Wisconsin Avenue, Washington 14, D.C.; f. 1906; 1,900 mems.; Sec. R. A. HARTE; publ. *Journal of Biological Chemistry* (monthly).

Electrochemical Society, Inc., 30 East 42nd Street, New York 17, N.Y.; f. 1902; 3,500 mems.; Sec. ROBERT K. SHANNON; publ. *Journal* (12 issues annually).

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Economics, Finance and Statistics

American Accounting Association, c/o School of Commerce, University of Wisconsin, Madison 6, Wisconsin; f. 1917; professional society for educators, practitioners and students of accounting; 16,500 mems.; Pres. Raymond C. Dein; Sec.-Treas. Paul H. Walgenbach; publs. *The Accounting Review* (quarterly), monographs, surveys.

American Economic Association, Northwestern University, Evanston, Ill.; f. 1885 to encourage economic discussion, research, and the issue of publications on economic subjects; 11,000 mems. and 4,100 subscribers; Sec. Harold F. Williamson; publs. *American Economic Review, Papers and Proceedings,* etc.

American Finance Association, c/o Graduate School of Business Administration, New York University, 100 Trinity Place, New York 6, N.Y.; f. 1940; to make available knowledge on current developments in the field of finance; Sec.-Treas. Dr. Robert A. Kavesh; publ. *Journal of Finance* (quarterly).

American Statistical Association, 810 18th St., N.W., Washington 6, D.C.; f. 1839; 8,000 mems.; Sec.-Treas. Donald C. Riley; publs. *Journal of the American Statistical Association, The American Statistician, Technometrics.*

Inter American Statistical Institute (IASI), Pan American Union, Washington 6, D.C.; f. 1940; 297 mems.; fosters statistical development in the Western Hemisphere; Pres. Jorge Arias (Guatemala); Vice-Pres. Carmen A. Miro (Panama), Abelardo E. Achecar (Dominican Republic), Adolfo Morales (Uruguay), Jose Blasco (Argentina); Sec.-Gen. Tulo H. Montenegro; publs. *Estadistica* (quarterly), *Inter-American Textbook Series on Theoretical and Applied Statistics, Actividades Estadisticas de las Naciones Americanas, Directory of Statistical Personnel in the American Nations, Latin Americans Receiving Some Statistical Training in the United States, Indices de Precios al Consumidor (Costo de la Vida) de las Naciones Americanas, Noticiero (Programa del Censo de America de 1960.)*

National Bureau of Economic Research, 261 Madison Avenue, New York 16, N.Y.; f. 1920; 40 Dirs.; Dir. of Research Solomon Fabricant; Exec. Dir. and Sec. William J. Carson.

Education

Adult Education Association of the U.S.A., 743 North Wabash Ave., Chicago 11, Ill.; f. 1951; 8,000 mems.; a non-profit membership organization established "to further the concept of education as a process continuing throughout life."; Dir. Glenn Jensen; publs. *Adult Education* (quarterly), *Adult Leadership* (monthly).

American Association of University Professors, 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1915-42,273 mems.; Pres. Ralph F. Fuchs, Indiana Univer; sity; Gen. Sec. William P. Fidler.

American Council on Education, 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1918; 1,100 asscns. and insts.; Pres. Logan Wilson; Chair. Charles E. Odegaard; publs. *Special Report on Federal Programs* (monthly); *Bulletin on International Education* (8 times yearly), *The Educational Record* (quarterly), *Higher Education and National Affairs* (occasional bulletin).

American Educational Research Association, 1201 16th Street, N.W., Washington 36, D.C.; f. 1915; Exec. Officer S. Raymond Gerberich.

American Vocational Association, Inc., 1010 Vermont Avenue, Washington 5, D.C.; f. 1925; 33,675 mems.; Exec. Sec. M. D. Mobley; publ. *American Vocational Journal* (monthly, except June, July, Aug.).

Association of American Colleges, Inc., 1818 R Street, N.W., Washington 9, D.C.; f. 1915 to promote higher education in all its forms in the colleges of liberal arts and sciences; 838 mems.; Exec. Dir. Theodore A. Distler; publ. *Liberal Education* (quarterly).

Association of American Universities, Stanford University, Stanford, Calif.; f. 1900; Pres. J. E. Wallace Sterling.

Carnegie Foundation for the Advancement of Teaching, 589, 5th Avenue, New York 17, N.Y.; f. 1905 to provide pensions for college teachers and to conduct educational studies; 25 Trustees; Pres. John W. Gardner; Sec. Florence Anderson; publ. *Annual Report.*

Council for Basic Education, 725, 15th Street, N.W., Washington 5, D.C.; f. 1956; Exec. Dir. Mortimer Smith.

Foundation for Integrative Education, 235 East 50th Street, New York 22, N.Y.; f. 1948 to encourage the development and teaching of unified concepts in education and to improve the balance of relationships between the physical and social sciences; Pres. Kirtley F. Mather; Chair. of Research Henry Margenau; Exec. Officer F. L. Kunz; publ. *Main Currents in Modern Thought* (5 times in the school year).

Foundation Library Center, The, 444 Madison Avenue, New York 22, N.Y.; f. 1956; makes available information about foundations; maintains a full collection of foundation reports, library open to the public; Dir. F. Emerson Andrews; Sec. Ann D. Walton; publs. *Foundation News* (bi-monthly), *The Foundation Directory* (periodic).

Institute of Adult Education, 800 Second Avenue, at 42nd Street, New York 17, N.Y.; f. 1949; Exec. Dir. Paul L. Essert.

Institute of International Education, 800 Second Avenue, New York 17, N.Y.; f. 1919; administers exchange programmes for American and foreign students, Fulbright scholarships, African exchange and Ford international fellowships; Pres. Kenneth Holland; Chair. of Bd. of Trustees Mrs. O. Meredith Wilson.

National Association of State Universities, 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1895; Exec. Sec. Charles P. McCurdy, Jr.

National Education Association of the United States, 1201 Sixteenth Street, N.W., Washington 6, D.C.; f. 1857; 812,947 mems., 60,965 life mems. (May 1962); Exec. Sec. William G. Carr; Dirs. in each State; publs. *NEA Journal of the National Education Association* (monthly during school terms), *NEA News* (20 to 26 times each year), *The Research Bulletin* (quarterly).

National Society for the Study of Education, 5835 Kimbark Avenue, Chicago 37, Ill.; f. 1901; Sec. Herman G. Richey.

Philosophy of Education Society, 203 Slocum Hall, Syracuse University, Syracuse 10, New York; f. 1941; 454 mems.; exists to promote discussion and analysis of philosophy and education and to improve the teaching and analysis of philosophy and education; Sec.-Treas. Hobert W. Burns; publs. *Educational Theory* (quarterly), *Proceedings of the PES* (annual).

Electricity

Edison Electric Institute, 750 Third Avenue, New York 17, N.Y.; f. 1933; mems. 200 companies; Man. Dir. Edwin Vennard.

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Engineering

American Association of Engineers, 8 South Michigan Avenue, Chicago 3, Ill.; f. 1915; 6,462 mems.; library of 750 vols.; Pres. Col. Walter R. Jeffrey; Nat. Sec. M. E. McIver; publ. *Professional Engineer* (quarterly).

American Institute of Chemical Engineers: 345 East 47th Street, New York 17, N.Y.; f. 1908; 22,000 mems.; Sec. F. J. Van Antwerpen; publs. *A.I.Ch.E. Journal* (bi-monthly), *Chemical Engineering Progress* (monthly), *International Chemical Engineering* (quarterly).

American Institute of Consulting Engineers, United Engineering Center, 345 East 47th Street, New York 17, N.Y.; f. 1910; 353 mems.; Sec. Theodore T. McCrosky; publs. *Directory and Proceedings, Consulting Engineering.*

American Institute of Mining, Metallurgical and Petroleum Engineers, Inc., 345 East 47th Street, New York 17, N.Y.; f. 1871; 36,000 mems.; Pres. Lloyd E. Elkins; Sec. E. O. Kirkendall; Dir. of Library Ralph H. Phelps; publs. *Mining Engineering, Journal of Metals, Journal of Petroleum Technology, Transactions of the Metallurgical Society of AIME, Society of Petroleum Engineers Journal* (quarterly).

American Society for Engineering Education, 11,000 mems.; for the advancement of education in engineering and allied branches of science and technology; Exec. Sec. W. Leighton Collins, University of Illinois, Urbana, Ill.; publ. *Journal of Engineering Education.*

American Society of Agricultural Engineers, Saint Joseph, Michigan; f. 1907; 6,100 mems.; Sec. Jimmy L. Butt; publs. *Agricultural Engineering* (monthly), *Agricultural Engineers' Yearbook* (annual), *Transactions of the A.S.A.E.* (quarterly).

American Society of Civil Engineers, 345 East 47th Street, New York 17, N.Y.; f. 1852; 49,150 mems.; Exec. Sec. William H. Wisely; publs. *Proceedings* (monthly), *Transactions* (annually), *Civil Engineering* (twelve times a year).

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc., 234 Fifth Avenue, New York 1, N.Y.; f. 1959 by merger of the American Society of Heating and Air Conditioning Engineers and the American Society of Refrigerating Engineers; approx. 20,000 mems.; Exec. Sec. R. C. Cross; publs. *ASHRAE Journal* (monthly), *Guide and Data Book* (annual), *Standards, Transactions* (annual).

American Society of Mechanical Engineers, The: United Engineering Center, 345 East 47th Street, New York 17, N.Y., f. 1880; 49,248 mems.; Pres. William H. Byrne; Sec. O. B. Schier II; publs. *Mechanical Engineering* (monthly); *Applied Mechanics Reviews* (monthly), Transactions (divided into five periodicals, each published quarterly): *Journal of Engineering for Power, Journal of Engineering for Industry, Journal of Basic Engineering, Journal of Applied Mechanics, Journal of Heat Transfer.*

American Society of Naval Engineers, Inc., The, 1012 14th Street, Suite 403, N.W., Washington 5, D.C.; f. 1888; 3,350 mems.; Pres. Rear-Admiral William A. Dolan, U.S.N.; Sec.-Treas. Capt. James E. Hamilton, U.S.N., retd.; publ. *Journal.*

Association of Consulting Chemists and Chemical Engineers, Inc., 501 Fifth Avenue, New York 17, N.Y.; f. 1928; 125 mems.; Sec. Emerson Venable; publs. *Consulting Services* (annual), *Your Consultant* (bi-monthly).

Illuminating Engineering Society, 345 East 47th Street, New York 17, N.Y.; f. 1906; 10,504 mems.; Managing Dir. A. D. Hinckley; publ. *Illuminating Engineering.*

Institute of Electrical and Electronics Engineers: Box A, Lennox Hill Station, New York 21, N.Y.; f. 1884; 162,000 mems.; Gen. Man. Donald G. Fink; publs. *Electrical Engineering* (monthly), *Proceedings of IEEE* (monthly), *Transactions* (periodical), *Student Journal* (quarterly).

National Association of Power Engineers, Inc., 176 West Adams Street, Suite 1140, Chicago 3, Ill.; f. 1882; 13,500 mems.; Pres. William F. Rice; Sec. Arthur B. Mitchell; publ. *National Engineer* (monthly).

Society of Automotive Engineers, Inc., 485 Lexington Avenue, New York 17, N.Y.; f. 1905; 25,000 mems.; Sec. Joseph Gilbert; publs. *S.A.E. Journal* (monthly), *S.A.E. Transactions, S.A.E. Handbook* (annuals).

Society of Naval Architects and Marine Engineers, 74 Trinity Place, New York 6, N.Y.; f. 1893; approx. 7,500 mems.; Sec. Capt. W. N. Landers, U.S.N. (Rtd.).

United Engineering Trustees, Inc.: 345 East 47th Street, New York 17, N.Y.; f. 1904 as a joint corporate agency of the major national engineering societies, to administer substantial trust funds for the advancement of the engineering arts and sciences, including ownership and administration of Engineering Societies Library, Engineering Foundation, United Engineering Center, and several awards; Sec. and Gen. Man. S. W. Marras.

Engineering Foundation: 345 East 47th Street, New York 17, N.Y.; f. 1914 to administer trust funds for the furtherance of research in science and engineering and the advancement in any other manner of the profession of engineering and the good of mankind; Sec. S. W. Marras; publs. *Annual Reports.*

Geography and Ethnology

American Ethnological Society, Inc.: f. 1842; 625 mems.; Sec. Nathalie F. S. Woodbury, United States National Museum, Washington 25, D.C. (until 1966).

American Geographical Society, Broadway at 156th Street, New York 32, N.Y.; f. 1852; 4,300 mems.; Dir. Charles B. Hitchcock; publs. *The Geographical Review* (quarterly), *Current Geographical Publications* (a bibliography, monthly, except July and August), *Focus* (f. 1950; monthly, except July and August), *Soviet Geography: Review and Translation* (monthly, except July and August).

Association of American Geographers, 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1904; 2,000 mems.; Sec. Meredith F. Burrill; publs. *Annals of the Association of American Geographers, The Professional Geographer.*

Middle American Research Institute, Tulane University, New Orleans 18, La.; f. 1924 for research, education, and public service in the field of Middle American human relations; library of 70,000 vols.; Dir. Robert Wauchope.

National Geographic Society, 1146 Sixteenth Street, N.W., Washington 36, D.C.; f. 1888; 3,300,000 mems.; organised for the increase and diffusion of geographic knowledge; Pres. Melville Bell Grosvenor; Exec. Vice-Pres. and Sec. Melvin M. Payne; publ. *The National Geographic Magazine.*

Society of Woman Geographers, 1216 Connecticut Avenue, N.W., Washington 6, D.C.; f. 1925; 400 mems.; Pres. Mrs. Lydia Van Zandt; Sec. Mrs. Benita S. Harris; publ. *Annual Bulletin.*

Geology and Mineralogy

American Association of Petroleum Geologists, Box 979, Tulsa 1, Oklahoma; f. 1917; 15,000 mems.; Exec. Dir. Norman C. Smith; publ. *Bulletin of American Association of Petroleum Geologists* and special volumes.

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Geological Society of America, Inc., 419 West 117th Street, New York 27, N.Y.; f. 1888; 1,721 fellows, 58 correspondents, 5,752 mems.; Sec. AGNES CREAGH (acting); publs. *Bulletins* (monthly), *Special Papers* (1-62), *Memoirs, Bibliography and Index of Geology* (outside North America) (annual).

Mineralogical Society of America, Div. of Mineralogy, U.S. National Museum, Washington 25, D.C.; f. 1920; 2,100 mems.; Pres. C. S. HURLBUT, Jr.; Sec. Dr. GEORGE SWITZER; publ. *The American Mineralogist* (bi-monthly).

Society of Economic Palæontologists and Mineralogists, P.O. Box 979, Tulsa 1, Okla.; f. 1927; 1,450 mems.; Sec.-Treas. JOHN IMBRIE; publs. *Journal of Palæontology* (bi-monthly), *Journal of Sedimentary Petrology* (quarterly).

HISTORY

American Association for State and Local History, 151 East Gorham Street, Madison 3, Wis.; f. 1941; successor to Conference of Historical Societies; objects: exchange of information on local and regional history and historical societies, and dissemination in scholarly and popular publications of professional material and interpretative articles; Dir. CLEMENT M. SILVESTRO; publs. *History News* (monthly; professional news), *Bulletins* (periodically; professional data), *Directory of Historical Societies and Agencies in the United States and Canada* (biennially), technical leaflets, etc.

American Catholic Historical Association, The Catholic University of America, Washington 17, D.C.; f. 1919; 1,350 mems.; Sec. ROBERT TRISCO; publ. *Catholic Historical Review* (quarterly).

American Folklore Society, Inc., Bennett Hall, University of Pennsylvania, Philadelphia 4, Pa.; f. 1888; 1,500 mems.; Sec. TRISTRAM P. COFFIN; publs. *Journal of American Folklore* (quarterly), *Memoirs of American Folklore, Bibliographical Series, Special Series.*

American Historical Association, 400 A Street, S.E., Washington 3, D.C.; f. 1884; *c.* 11,000 mems.; Exec. Sec. Dr. W. STULL HOLT; publ. *American Historical Review.*

American Irish Historical Society, 991 Fifth Avenue, New York 28, N.Y.; f. 1897; 3,000 mems.; Pres.-Gen. JAMES MCGURRIN; Historiographer A. M. SULLIVAN.

American-Jewish Historical Society: 150 Fifth Avenue, New York 11, N.Y.; org. 1892; formed to collect and publish material bearing upon the history of America, and to promote the study of Jewish history in general as related to American-Jewish history; Library contains many rare and valuable manuscripts, some of the 16th, 17th and 18th centuries; 2,153 mems.; Librarian Dr. NATHAN M. KAGANOFF; Editor Dr. ISIDORE S. MEYER; publ. *American Jewish Historical Quarterly,* also monographs.

American Society of Church History, 321 Mill Road, Oreland, Pa.; f. 1888, reorganised 1906; 650 mems.; Sec. Prof. ROBERT MICHAELSEN; publs. *Church History* (quarterly).

American Swedish Historical Foundation, 1900 Pattison Avenue, Philadelphia 45, Pa.; f. 1926; the Foundation was established to collect, preserve, and tell the story of the contributions made to the development of America by those of Swedish background. It maintains a large museum built in the style of a Swedish manor and housing both temporary exhibitions and permanent collections, among which is the finest collection of old Scandinavian silver in America. It also sponsors Swedish-U.S. student and trainee exchanges, maintains two libraries and extensive archives and publishes books; *ca.* 1,100 mems.; Pres. Dr. WALTER G. NORD; Dir. Dr. NILS G. SAHLIN; Sec. M. O. ANDERSON; publ. *The Chronicle* (quarterly).

Dallas Historical Society, The Hall of State, Dallas 26, Tex.; f. 1922; collection of historical materials; the Society has the custody of the Hall of State (*q.v.* Museums), which it operates as a museum and archives of Texas history; Pres. DUDLEY K. WOODWARD, Jr.; Dir. of Museum VIRGINIA L. GAMBRELL; Historical Dir. HERBERT GAMBRELL, PH.D.; publ. *Thumbnail History.*

Historical Society of Pennsylvania, 1300 Locust Street, Philadelphia 7, Pa.; f. 1824; 2,000 mems.; library (*see* Libraries); Pres. BOIES PENROSE; Sec. PENROSE R. HOOPES; Dir. R. N. WILLIAMS, 2ND; publ. *The Pennsylvania Magazine of History and Biography* (quarterly).

Institute of Early American History and Culture, Williamsburg, Va.; f. 1943; two 3-year post-doctoral fellowships; Dir. LESTER J. CAPPON; publs. *William and Mary Quarterly,* monographs, documents and bibliographies on American History to 1815, *News Letter* (3 or 4 per year), *Handbook* (1957).

Long Island Historical Society, 128 Pierrepont Street, Brooklyn 1; f. 1863; library of 110,000 vols.; 725 mems.; Pres. EDGERTON G. NORTH; Sec. CHARLES L. LIVINGSTON, Jr.; Librarian HELEN P. BOLMAN.

Maryland Historical Society: 201 West Monument Street, Baltimore 1, Md.; f. 1844; 3,500 mems.; library of 55,000 vols., 600,000 MSS.; Pres. GEORGE L. RADCLIFFE; Dir. HAROLD R. MANAKEE; Librarian JOHN D. KILBOURNE; publs. *The Archives of Maryland, Maryland Historical Magazine* (quarterly), *Maryland History Notes, Studies in Maryland History, Wheeler Leaflets on Maryland History, My Maryland* (textbook).

Massachusetts Historical Society, 1154 Boylston Street, Boston 15, Mass.; f. 1791; oldest Historical Society in U.S.; library of 250,000 vols.; historical; Dir. and Librarian STEPHEN T. RILEY; publs. *Proceedings* etc.

Minnesota Historical Society, Saint Paul 1, Minnesota; f. 1849; 3,500 mems.; library of over 225,000 vols. with extensive MS., newspaper and picture depts.; Pres. WALTER TRENERRY; Sec. and Dir. RUSSEL W. FRIDLEY; publs. *Minnesota History* (quarterly), *Gopher Historian* (thrice yearly), *Minnesota History News* (bi-monthly).

National Historical Society, 175 5th Avenue, New York 10, N.Y.; f. 1915; Pres. MABEL T. R. WASHBURN; Sec. ARTHUR L. HANDLEY.

New York Historical Society, 170 Central Park West; New York 24, N.Y.; f. 1804; 775 mems. (all grades), Dir. R. W. G. VAIL; Associate Dir. and Librarian JAMES J. HESLIN; Curator of the Museum RICHARD J. KOKE; publs. *The New York Historical Society Quarterly,* etc.

Oregon Historical Society: Portland 1, Oregon; f. 1898; collections include items from the Old Oregon Trails; Pres. EUGENE E. MARSH; Sec. ROBERT H. ELLIS, Jr.

Presbyterian Historical Society, 520 Witherspoon Building, Philadelphia 7, Pa.; f. 1852; library of 75,000 vols. and 400,000 MSS.; Pres. MAURICE W. ARMSTRONG, PH.D.; Assistant Sec. WILLIAM B. MILLER; publs. *Journal* (quarterly), *Annual Report.*

Renaissance Society of America, 1161 Amsterdam Avenue, New York 27, N.Y.; f. 1954; Exec. Dir. WILLIAM NELSON.

Rhode Island Historical Society, 52 Power Street, Providence 6, R.I.; f. 1822; library of 100,000 vols.; historical and genealogical; 1,900 mems.; Dir. CLIFFORD P. MONAHON; Librarian CLARKSON A. COLLINS, III; publ. *Rhode Island History* (quarterly).

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Society of American Archivists, f. 1936 to promote sound principles of archive economy and to facilitate co-operation among archivists and archive agencies, including historical manuscript repositories; 900 members; Pres. (1962-63) LEON DE VALINGER, Jr., Public Records Commission, Hall of Records, Dover, Del.; Sec. D. C. RENZE, 1525 Sherman, Denver 3, Colo.; publ. *The American Archivist* (quarterly).

Society of American Historians, Fayerweather Hall, Columbia University, New York 27, N.Y.; f. 1939; Pres. ALLAN NEVINS; Sec.-Treas. JOHN A. GARRATY.

State Historical Society of Wisconsin: 816 State Street, Madison 6; f. 1846; 725,000 vols.; Dir. CLIFFORD L. LORD; Librarian BENTON H. WILCOX; publ. *Wisconsin Magazine of History* (quarterly).

Vermont Historical Society, State Administration Building, Montpelier, Vt.; f. 1838; objects: educational work in Vermont and American history; collection of books, documents, and manuscripts relating to Vermont; publication of historical magazines and books; maintenance of State Museum; 2,700 mems.; Pres. JOHN P. CLEMENT; Dir. and Editor RICHARD G. WOOD; publs. *Vermont History* (quarterly), *News and Notes* (monthly bulletin).

Western Reserve Historical Society, 10825 East Boulevard, Cleveland 6, Ohio; f. 1867; maintains a museum and a library; 700 mems.; library of 200,000 vols., 100,000 pamphlets, 1,000,000 MSS.; Pres. LAURENCE H. NORTON; Dir. MEREDITH B. COLKET, Jr.; Librarian Mrs. ALENE LOWE WHITE; publ. *The Historical Society News* (monthly).

INTERNATIONAL CULTURE INSTITUTES

American Society of African Culture: 15 East 40th Street, New York 16, N.Y.; f. 1957; 300 mems.; affil. with the Société Africaine de Culture, Paris; exists to establish channels of communication for the recognition and development of African culture; Pres. Dr. JOHN A. DAVIS; Sec. Dr. WILLIAM T. FONTAINE; publ. *Newsletter* (English and French).

Asia Foundation, The: 550 Kearny Street, San Francisco 8, California (Main Office); New York Office: 200 East 42nd Street, New York 17; f. 1951 and Articles of Incorporation restated 1954; purpose of the Foundation is to strengthen Asian educational, cultural and civic activities with private American assistance, most projects supported by the Foundation are administered by Asians; Chair. Board of Trustees BRAYTON WILBUR; Pres. RUSSELL G. SMITH; Sec. TURNER H. MCBAINE; publs. *The Asian Student, Program Bulletin.*

Belgian-American Educational Foundation, Inc., 420 Lexington Avenue, New York 17, N.Y.; f. 1920 to promote closer relations and the exchange of intellectual ideas between Belgium and the United States; Chair. HERBERT HOOVER; Pres. PERRIN C. GALPIN; Sec. E. C. STILLMAN.

Deutsches Kulturinstitut, 1014 Fifth Avenue, New York 28, N.Y.

English-Speaking Union of the United States, Inc., 16 East 69th Street, New York 21, N.Y.; f. 1920; Chair. JOHN HAY WITNEY; Pres. CHARLES E. SALZMAN; Dep. Dirs.-Gen. HARTLEY E. HOWE, JOHN J. SCHIEFFELIN; publ. *News;* 82 brs. in U.S.A.

Institute for Mediterranean Affairs: 27 East 62nd Street, New York 21, N.Y.; established under charter of the University of the State of New York to evolve a better understanding of the historical background and contemporary political and socio-economic problems of the nations and regions that border on the Mediterranean Sea; 250 mems.; Pres. Prof. FOWLER V. HARPER; Sec. and Editor Dir. HARRY LOUIS SELDEN; Dir. of Political Studies SAMUEL MERLIN.

French Institute in the United States, 22 East 60th Street, New York 22, N.Y.; f. 1911; Dir. V. MILLIGAN.

Österreichisches Kulturinstitut in New York, 11 East 52nd Street, New York 22, N.Y.; Dir. SCHLAG WILHELM.

LAW

American Bar Association, 1155 East 60th Street, Chicago 37, Ill.; f. 1872; 113,000 mems.; Sec. GIBSON GAYLE, Jr.; publs. *American Bar Association Journal* (monthly). *Reports of the A.B.A.* (annual), *American Bar News* (monthly).

American Judicature Society, 1155 East 60th Street, Chicago 37, Ill.; f. 1913 to promote the efficient administration of justice; 22,000 mems.; Exec. Dir. GLENN R. WINTERS; publ. *Journal* (bi-monthly).

American Law Institute, 133 South 36th Street, Philadelphia 4, Pa.; f. 1923; 1,614 mems.; Dir. HERBERT F. GOODRICH.

American Society of International Law: 2223 Massachusetts Ave., N.W., Washington 8, D.C.; f. 1906, inc. 1950; 3,000 mems.; Exec. Dir. H. C. L. MERILLAT; Pres. JAMES NEVINS HYDE; publs. *International Legal Materials* (six times a year), *The American Journal of International Law* (quarterly), *Proceedings* (annual), *Letter to Members* (monthly).

Association of American Law Schools, Catholic University Law School, 1323 18th Street, N.W., Washington 6, D.C.; f. 1900 for the improvement of legal education; 111 mems.; Treas.-Sec. VERNON X. MILLER.

Federal Bar Association, 1815 H Street, N.W. Washington 1, D.C.; f. 1920; 8,200 mems.; Exec.-Dir. JAMES F. DE LA MOTTE; Exec.-Sec. Miss BETTY BARKER; publs. *Federal Bar Association Journal, Federal Bar News.*

LITERATURE, BIBLIOGRAPHY, MUSIC, AESTHETICS

American Classical League, Miami University, Oxford, Ohio; f. 1918; 6,000 mems.; Sec.-Treas. Dr. HENRY C. MONTGOMERY; publ. *The Classical Outlook* (Monthly, Oct.-May).

American Library Association (*see under* Libraries).

American Musicological Society, 804 Burton Tower, University of Michigan, Ann Arbor, Mich.; f. 1934; 1,200 mems.; Sec. LOUISE CUYLER; publ. *Journal.*

American Philological Association, c/o Hunter College, New York 68, N.Y.; f. 1869; 1,405 mems.; Sec. HARRY L. LEVY; publs. *Transactions and Proceedings* (annual), *Philological Monographs, Special Publications.*

American Society for Aesthetics, Cleveland Museum of Art, Cleveland 6, Ohio; f. 1942; 800 mems.; Sec.-Treas. JAMES R. JOHNSON; publ. *Journal of Aesthetics and Art Criticism* (quarterly).

ASCAP (American Society of Composers, Authors and Publishers), 575 Madison Avenue, New York 22, N.Y.; f. 1914; mems.: 6,820 authors and composers, 2,150 publishers; a non-profit-making society; issues licences for public performance of members' copyright works; Sec. PAUL CRESTON.

Bibliographical Society of America, Perm. Sec., P.O. Box 397, Grand Central Station, New York 17, N.Y.; org. 1904, inc. 1927; 1,300 mems.; Perm. Sec. EARLE F. WALBRIDGE; publs. *Papers* (quarterly).

Bibliographical Society of the University of Virginia, c/o University of Virginia Library, Charlottesville, Va.; f. 1947; 1,000 mems.; Perm. Sec. WILLIAM H. RUNGE; publ. *Studies in Bibliography* (annual), *News Sheet*, etc.

Linguistic Society of America: Box L, University of Texas, Austin 12, Tex.; f. 1924; 2,100 mems.; 1,050 libraries, foreign and domestic; Pres. (1962) ALFRED

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H. MARCKWARDT; Sec.-Treas. ARCHIBALD A. HILL; Ed. BERNARD BLOCH, Yale University; publ. *Language* (quarterly).

Modern Language Association of America, 4 Washington Place, New York 3, N.Y.; f. 1883; 12,500 mems.; Exec. Sec. Prof. G. W. STONE, Jr.; publ *PMLA* (four times a year and two supplements).

Poetry Society of America: 210 East 39th Street, New York 16, N.Y.; f. 1910 Sec. GUSTAV DAVIDSON.

Society of Biblical Literature: (formerly Society of Biblical Literature and Exegesis); f. 1880; 2,100 mems.; Pres. Prof. JOHN KNOX; Sec. Prof. KENDRICK GROBEL, Vanderbilt University, Nashville, Tenn.; publ. *Journal of Biblical Literature.*

MATHEMATICS

American Mathematical Society, 190 Hope Street, Providence 6, R.I.; f. at Columbia University in 1888 as the New York Mathematical Society; inc. 1923 as American Mathematical Society; membership 7,500; Sec. Prof. JOHN W. GREEN; publs. *Bulletin* (f. 1894, bi-monthly), *Proceedings* (f. 1950, bi-monthly), *Transactions* (f. 1900, bi-monthly), *Mathematical Reviews* (f. 1940, monthly), *Colloquium Publications* (since 1894), *Mathematical Surveys* (since 1943), *Memoirs* (since 1950), *Russian Translations* (since 1955), *Soviet Mathematics—Doklady* f. 1960, bi-monthly).

Duodecimal Society of America, Inc., 20 Carlton Place, Staten Island 4, N.Y.; inc. 1944; 103 mems.; Chair. F. EMERSON ANDREWS; Pres. Kingsland Camp; Sec. RALPH H. BEARD; Treas. H. K. HUMPHREY; publ. *The Duodecimal Bulletin* (quarterly).

Institute of Mathematical Statistics, f. 1935; 2,500 mems.; Pres. Z. W. BIRNBAUM; Sec. GEO. E. NICHOLSON, Jr., University of North Carolina, Chapel Hill, N.C.; publ. *Annals of Mathematical Statistics* (f. 1930, quarterly).

Mathematical Association of America, Inc., University of Buffalo, Buffalo 14, N.Y.; f. 1915; 12,000 mems.; Sec. H. L. ALDER; Exec. Dir. H. M. GEHMAN; publs. *American Mathematical Monthly* (Editor F. A. FICKEN), *Mathematics Magazine* (Editor R. E. HORTON), also volumes and monographs.

MEDICINE

American Academy of Allergy, 756 North Milwaukee Street, Milwaukee 2, Wis.; f. 1943; Pres. EDMUND L. KEENEY, M.D.; Exec. Sec. JAMES O. KELLEY.

American Association for Cancer Research, Inc.: The Institute for Cancer Research, 7701 Burholme Avenue, Fox Chase, Philadelphia 11, Penn.; f. 1907; mems. 1,261; Sec.-Treas. HUGH J. CREECH; publ. *Cancer Research.*

American Association of Anatomists, Dept. of Anatomy, School of Medicine, University of Pennsylvania, Philadelphia 4, Pa.; f. 1888; 1,486 mems.; Pres. H. W. MAGOUN; Sec.-Treas. L. B. FLEXNER; publs. *American Journal of Anatomy, Anatomical Record.*

American Cancer Society, Inc., 219 East 42nd Street, New York, N.Y., 10017; f. 1913; Chair. of Bd. of Dirs. FRANCIS J. WILCOX; Sec. CHARLES R. EBERSOL; publs. *Cancer News* (thrice yearly), *Cancer* (bi-monthly), *CA—A Cancer Journal for Clinicians* (bi-monthly).

American College of Physicians, 4200 Pine Street, Philadelphia 4, Pa.; f. 1915; 7,923 Fellows, 30 Masters, 3,661 Associates; Exec. Dir. EDWARD C. ROSENOW, Jr., M.D.; publ. *Annals of Internal Medicine* (monthly).

American College of Surgeons, 40 East Erie Street, Chicago 11, Ill.; f. 1913; 25,000 Fellows; library of 40,000 vols.; Chair. Bd. of Regents Dr. LOYAL DAVIS, Chicago; Dir. Dr. JOHN PAUL NORTH; Sec. Dr. WILLIAM E. ADAMS; publs. *Surgery, Gynaecology and Obstetrics* (monthly), *Yearbook* (triennially), *Bulletin* (bi-monthly).

American Society for Clinical Investigation, f. 1907; 800 mems.; Sec. Dr. S. J. FARBER, New York University College of Medicine, New York, N.Y.; publ. *Journal of Clinical Investigation* (monthly).

American Society of Clinical Pathologists: 445 N. Lake Shore Drive, Chicago 11, Ill.; Sec-Treas. LESTER H. HOYT, M.D.; Exec. Sec. ELEANOR F. LARSON.

American Dental Association, 222 East Superior Street, Chicago 11, Ill.; f. 1859; 99,116 mems.; Sec. HAROLD HILLENBRAND, D.D.S.; publs. *Journal* (monthly), *Journal of Oral Surgery, Anaesthesia and Hospital Dental Service* (bi-monthly), *ADA Newsletter* (fortnightly), *Legislative Bulletin* (monthly), *Abstracts* (monthly), *American Dental Directory* (annual), *Accepted Dental Remedies* (annual), *Dental Health Highlights* (monthly), *Fluoridation Reporter* (bi-monthly).

American Society for Experimental Pathology, f. 1913; 572 mem.; Sec.-Treas. J. F. A. MCMANUS, Dept. of Pathology, University of Alabama Medical Center, Birmingham 3, Ala.

American Foundation for Mental Hygiene, 10 Columbus Circle, New York 19, N.Y.; f. 1928; 28 mems.; Pres. G. HOWLAND SHAW; Sec. LUTHER E. WOODWARD.

American Genetic Association, 1507 M Street, N.W., Washington 5, D.C.; f. 1903; 3,800 mems.; Sec. Dr. W. RALPH SINGLETON; publ. *Journal of Heredity* (bi-monthly).

American Gynaecological Society, f. 1876; 125 Fellows, 7 Hon. Fellows; Sec. Dr. JOHN I. BREWER, 104 S. Michigan Ave., Chicago 3, Ill.

American Institute of Homeopathy, 1601 Chestnut Street, Philadelphia 3, Pa.; f. 1844; Business Man. L. S. WHYTE; publ. *Journal of the American Institute of Homeopathy* (monthly).

American Laryngological, Rhinological and Otological Society, Inc., 708 Medical Arts Building, Rochester 7, N.Y.; f. 1895; 601 mems.; Sec. Dr. C. STEWART NASH.

American Medical Association, 535 North Dearborn Street, Chicago 10, Ill.; f. 1847; 178,336 mems.; Exec. Vice-Pres. F. J. L. BLASINGAME; publs. *Journal of the American Medical Association* (weekly), *AMA News* (bi-weekly), ten special journals (monthly), *American Medical Directory* (biennial), *Cumulative Index Medicus, Today's Health* (monthly).

American Society of Medical Technologists, Suite 25; Hermann Professional Building, Houston 25, Tex., f. 1933; nearly 10,000 mems.; there are constituent societies according to states, and district societies within the states; Exec. Sec. Miss ROSE MATTHAEI; publ. *The American Journal of Medical Technology.*

American Medical Technologists, P.O Box 191, Holyoke, Mass.; f. 1939 as a professional association; 8,000 mems.; Exec. Sec. Dr. C. W. TRUEHART, FACMT; publ. *Journal* (bi-monthly).

American Medical Women's Association, Inc., 1790 Broadway, New York 19, N.Y.; f. 1915; Pres. EDITH PETRIE BROWN, M.D.; Exec. Dir. JESSIE LAIRD BRODIE, M.A.; publ. *Journal* (monthly).

American Neurological Association: 710 West 168th Street, New York 32, N.Y.; f. 1874; 403 mems.; Pres. JAMES L. O'LEARY; Sec.-Treas. MELVIN D. YAHR; publ. *Transactions* (annual).

American Institute of Nutrition, 9650 Wisconsin Avenue, Bethesda 14, Md.; f. 1933; 818 mems.; Sec. ARNOLD E. SCHAEFER; publ. *The Journal of Nutrition.*

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American Occupational Therapy Association, 250 West 57th Street, New York 19, N.Y.; f. 1917; 5,350 mems.; Pres. Miss WILMA WEST; Exec. Dir. Miss MARJORIE FISH; publ. *The American Journal of Occpational Therapy* (bi-monthly), *Occupational Therapy Yearbook* (annually).

American Academy of Ophthalmology and Otolaryngology, 15 Second Street S.W., Rochester, Minn.; f. 1896; 6,889 mems.; Exec. Sec.-Treas. W. L. BENEDICT, M.D.; publ. *Transactions* (bi-monthly).

American Optometric Association, Inc., 4030 Chouteau Avenue, St. Louis 10, Mo.; f. 1897; 11,000 mems.; Admin. Dir. J. HAROLD BAILEY; publ. *Journal.*

American Association of Pathologists and Bacteriologists, f. 1901; 1,000 mems.; Pres. EDWARD A. GALL, Cincinnati General Hospital; Sec.-Treas. JOHN R. CARTER, University of Kansas Medical Center; publ. *American Journal of Pathology.*

American Academy of Pediatrics, f. 1930; 8,000 mems.; Exec. Dir. E. H. CHRISTOPHERSON, M.D., 1801 Hinman Avenue, Evanston, Ill.; publ. *Pediatrics (monthly).*

American Geriatrics Society, 10 Columbus Circle, New York 19; f. 1942; 10,000 mems.; Pres. E. DAVID SHERMAN, M.D.; Treas. EDWARD J. LORENZE, M.D.; Sec. EDWARD B. ALLEN, M.D.

American Pediatric Society, f. 1888; 266 active mems.; Sec.-Treas. CONRAD M. RILEY, M.D., 2800 East Cedar Ave., Denver 9, Colo.

American Society for Pharmacology and Experimental Therapeutics, Inc.: 9650 Wisconsin Avenue, Washington 14, D.C.; f. 1908; 961 mems.; Sec. SIDNEY UDENFRIEND; publs. *Journal of Pharmacology and Experimental Therapeutics* (monthly), *Pharmacological Reviews* (quarterly), *The Pharmacologist* (twice yearly).

American Physical Therapy Association, 1790 Broadway, New York 19, N.Y.; f. 1921, inc. 1930; 10,780 mems.; Exec. Dir. Miss LUCY BLAIR; publ. *Journal of the American Physical Therapy Association.*

American Physiological Society, 9650 Wisconsin Avenue. Washington 14, D.C.; f. 1887; 2,522 mems.; Exec. Sec, RAY G. DAGGS; publs. *American Journal of Physiology, Journal of Applied Physiology, Physiological Reviews, The Physiologist, Journal of Neurophysiology, Physiology for Physicians, Handbooks of Physiology.*

American Psychiatric Association, Room 310. 1270 Avenue of the Americas, New York 20, N.Y., and 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1844; 9,295 mems.; Sec. Dr. WILLIAM MALAMUD; Med. Dir. Dr. DANIEL BLAIN; publ. *American Journal of Psychiatry* (monthly).

American Public Health Association, 1790 Broadway, New York 19, N.Y.; f. 1872; 13,500 mems.; Chair. Exec. Board JOHN D. PORTERFIELD, M.D.; Exec. Dir. BERWYN F. MATTISON, M.D.; publ. *American Journal of Public Health* (monthly).

American Roentgen Ray Society, f. 1900; 723 active mems.; Sec. C. ALLEN GOOD, Mayo Clinic, Rochester, Minn.; publs. *American Journal of Roentgenology* (monthly), *Radium Therapy and Nuclear Medicine.*

American Social Health Association, 1790 Broadway, New York 19, N.Y.; f. 1914; Pres. S. DALE FURST; Exec. Dir. CONRAD VAN HYNING; Sec. MIRIAM ALDRIDGE SHELDEN, PH.D.; publ. *Social Health News* (monthly).

American Speech and Hearing Association: 1001 Connecticut Avenue N.W., Washington 6, D.C.; f. 1925; 6,200 mems.; Exec. Sec. KENNETH O. JOHNSON, PH.D.

American Surgical Association, f. 1880; 387 mems.; Sec. Dr. R. K. GILCHRIST, 59 E. Madison Street, Chicago 3, Ill.; publ. *Transactions* (annual).

American Society of Tropical Medicine and Hygiene: P.O. Box 298, Kensington, Maryland; f. 1903; 1,250 mems.; Sec.-Treas. Dr. G. M. JEFFERY; publs. *American Journal of Tropical Medicine and Hygiene, Tropical Medicine and Hygiene News.*

Armed Forces Institute of Pathology, 6825 16th Street, N.W., Washington 25, D.C.; est. 1862 as Army Medical Museum, changed to Army Institute of Pathology in 1946 and to Armed Forces Institute of Pathology in 1949; it is the central laboratory of pathology for the Department of Defence serving the needs of the U.S. Army, Navy, Air Force, the Veterans' Administration and, to a limited degree, of other Federal agencies. It is organized into four major departments: the *Department of Pathology*, the *American Registry of Pathology*, the *Medical Illustration Service*, and the *Medical Museum* (Seventh Street and Independence Avenue, S.W.); Dir. Col. JOE M. BLUMBERG, Medical Corps, United States Army.

College of Physicians of Philadelphia, 19 S. 22nd Street, Philadelphia 3, Pa.; f. 1788 (College, f. 1787); library of 194,575 vols. medical; 1,219 Fellows; Pres. THOMAS M. DURANT, M.D.; Librarian E. H. MORSE; publ. *Transactions and Studies.*

Industrial Hygiene Foundation of America, Inc., Mellon Institute, 4400 Fifth Avenue, Pittsburgh 13, Pa.; f. 1935; a non-profit research association of industries for advancing industrial health and improving working conditions; 400 member companies and associations; Chair. B. B. HESCOTT; Man. Dir. H. H. SCHRENK; publs. *Industrial Hygiene Digest* (monthly), *Transactions* (annual), special technical bulletins.

Association of American Medical Colleges, 2530 Ridge Avenue, Evanston, Ill.; Exec. Dir. RICHARD H. YOUNG, M.D.

Association of American Physicians, f. 1885; 250 mems., Sec. P. B. BEESON, Yale University School of Medicine; New Haven 11, Conn.

Gerontological Society, Inc.: 660 South Kingshighway Blvd., St. Louis 10, Mo.; 2,293 mems.; Sec. ROBERT W. KLEEMEIER; publs. *Journal of Gerontology, The Gerontologist.*

Gorgas Memorial Institute of Tropical and Preventive Medicine, Inc., 1835 Eye Street, N.W., Washington 6, D.C.; f. 1921; Pres. Dr. WALTER A. BLOEDORN; Sec. Dr. LOUIS L. WILLIAMS; Board of Dirs. of 44 mems.; Research Agency: Gorgas Memorial Laboratory, Apartado 6991, Panama, R. de P.; Dir. CARL M. JOHNSON; publ. *Annual Report.*

Heart Institute, The, 106/107 Streets, New York, N.Y.; f. 1962 by the New York Medical College; Dir. Dr. R. E. SNYDER.

John and Mary R. Markle Foundation, The, 511 Fifth Avenue, New York 17, N.Y.; f. 1927 by an endowment given by John Markle, chartered by the State of New York; supports medical research and teaching by grants to institutions; 12 mems.; Exec. Dir. JOHN M. RUSSELL; Sec. DOROTHY ROWDEN; publ. *Annual Report.*

Medical Society of the State of New York, 750 Third Avenue, New York 17, N.Y.; f. 1807; 25,400 mems.; Exec. Vice-Pres. HENRY I. FINEBERG, M.D.; publs. *New York State Journal of Medicine* (twice monthly), *Medical Directory of New York State* (biennially).

National Association for Mental Health, Inc., 10 Columbus Circle, New York 19, N.Y.; f. 1950; 800 affiliates; Exec. Dir. PHILIP E. RYAN; Dir. of Research and Professional Services Dr. W. MALAMUD; publ. *Mental Hygiene.*

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National Foundation, The: 800 Second Avenue, New York 17, N.Y.; f. 1938 as National Foundation for Infantile Paralysis, name changed and programme expanded 1958 to include congenital malformations and arthritis, broad basic and clinical research, education for health professions, support of network of clinical study centers, special treatment centers and evaluation clinics for arthritis and birth defects, aid to patients; not state-aided; membership: 3,100 Chapters; Pres. BASIL O'CONNOR; publs. *Annual Report, National Foundation News.*

National Tuberculosis Association, 1790 Broadway, New York 19, N.Y.; f. June 6th, 1904, at Atlantic City, New Jersey, as the National Association for the Study and Prevention of Tuberculosis; Pres. PETER W. JANSS; Vice-Pres. Judge ERNEST E. MASON, HOWARD BARKLEY, M.D.; Man. Dir. JAMES E. PERKINS, M.D.; Sec. Judge HERMAN DENKHE; publ. *Bulletin* (monthly, except August; Editor S. S. LIFSON), has 2,100 affiliated associations throughout the country.

The Medical Section of the N.T.A., the American Thoracic Society, has a membership of over 5,000, including tuberculosis physicians in many foreign countries; publ. *The American Review of Respiratory Diseases* (monthly); Medical Dir. JAMES W. RALEIGH, M.D.; Exec. Sec. FRANK W. WEBSTER.

New York Academy of Medicine, 2 East 103rd Street, New York 29, N.Y.; f. 1847; 3,000 mems.; Dir. HOWARD REID CRAIG, M.D.; Sec. F. H. WILKE, M.D.; publ. *Bulletin* (monthly).

Optical Society of America, 1155 16th Street, N.W., Washington 36, D.C.; a national organisation devoted to the advancement of optics and the service of all who are interested in any phase of that science; member Society of American Institute of Physics; 4,500 mems.; Pres. R. C. LORD; Exec. Sec. MARY E. WARGA; publs. *Journal, Applied Optics, Optics and Spectroscopy.*

Society for Pediatric Research, f. 1929; Sec.-Treas. Dr. WILLIAM B. WEIL, Jr., Dept. of Pædiatrics, University of Florida College of Medicine, Gainsville, Florida.

Society for the Study of Development and Growth, f. 1939; 275 mems.; Sec. Dr. R. O. ERICKSON, Botanical Laboratories, University of Pennsylvania, Philadelphia 4, Pa.

Society of American Bacteriologists, 19875 Mack Avenue, Detroit 36, Michigan; f. 1889; 6,100 mems.; Exec. Sec. R. W. SARBER; publs. *Journal of Bacteriology, Bacteriological Reviews, Applied Microbiology, Bacteriological Proceedings.*

Society of Medical Jurisprudence, New York Academy of Medicine, 2 East 103rd Street, New York, N.Y.; org. and inc. March 6th, 1883; objects: the investigation, study, and advancement of the science of medical jurisprudence, and the attainment of a higher standard of medical testimony; membership: members must be physicians, lawyers, or chemists of good standing in their respective professions, or teachers in approved Law or Medical Schools; total membership 550-600; Sec. EDWARD B. WILLING, 22 West First Street, Mount Vernon, N.Y.; publ. *Proceedings* (intermittent).

U.S. National Institutes of Health: Department of Health, Education, and Welfare, Public Health Service, Bethesda 14, Maryland; conduct laboratory and clinical research in all medical and allied life sciences; a focal point for national health research by providing support through various grants and fellowships for the bulk of biochemical research and training; source of funds $880,800 million (1963); Dir. JAMES A. SHANNON, M.D.

National Institute of Child Health and Development: f. 1963; administers a national programme of research in the health status, needs, and problems of people; incorporates the Center for Aging Research and Center for Research in Child Health; Dir. ROBERT A. ALDRICH, M.D.

National Institute of Arthritis and Metabolic Disease: f. 1950; emphasis on fundamental research on metabolic processes; international studies in nutrition, biometry and epidemiology; Dir. DONALD S. WHELDON, M.D.

National Heart Institute: f. 1948; performs and supports research in diseases of the heart and blood vessels; provides training and instruction; Dir. RALPH E. KNUTTI, M.D.

National Cancer Institute: f. 1937; supports broad research programmes into the causes, detection and diagnosis, and treatment of cancer; co-operates with State and local health agencies and voluntary bodies; Dir. KENNETH M. ENDICOTT, M.D.

National Institute of Allergy and Infectious Diseases: f. 1955; conducts and supports research in microbiology aimed at solving new problems in allergic diseases and unresolved problems in bacterial diseases, and at developing a useful body of knowledge in the viral diseases; Dir. JUSTIN M. ANDREWS, SC.D.

National Institute of Dental Research: f. 1948; research concerned with problems of dental caries and periodontal disease, with special emphasis on treatment, control, and prevention; Dir. FRANCIS A. ARNOLD, Jr. D.D.S.

National Institute of Neurological Diseases and Blindness: f. 1950; conducts, fosters, and co-ordinates research on the causes, prevention, diagnosis, and treatment of the neurological disorders of mankind; Dir. RICHARD L. MASLAND, M.D.

National Institute of Mental Health: f. 1946; concerned with causes, treatment and prevention of mental illness; conducts an extensive programme of research, training, community services, and education in the mental health area; Dir. ROBERT H. FELIX, M.D.

National Institute of General Medical Sciences: f. 1963; supports a programme of research and training in the health sciences; Dir. CLINTON C. POWELL, M.D.

ORIENTAL STUDIES

Association for Asian Studies, Box 606, Ann Arbor, Mich.; f. 1941; publ. *Journal of Asian Studies.*

American Asiatic Association, India House, 1 Hanover Square, New York 4, N.Y.; f. 1898; 42 mems.; Pres. M. ZUCKERMAN; Sec. E. J. SCHUYTEN.

American Schools of Oriental Research, Drawer 93A, Yale Station, New Haven, Conn.; f. 1900; approx. 900 mems.; Pres. A. HENRY DETWEILER; Sec. JAMES B. PRITCHARD, University of Pennsylvania; Schools in Jerusalem and Baghdad; publs. *Biblical Archæologist* (quarterly), *Bulletin* (quarterly), *Journal of Cuneiform Studies* (quarterly), *The Annual.*

American Oriental Society, 329 Sterling Memorial Library; Yale Station, New Haven, Conn.; f. 1842; Sec. FERRIS J. STEPHENS.

PHILOSOPHY AND PSYCHOLOGY

American Philosophical Association, f. 1900; 1,999 mems.; Pres. WILLIAM FRANKENA; Sec. LEWIS E. HAHN, PH.D., Southern Illinois University, Carbondale, Illinois.

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American Philosophical Society, 104 South 5th Street, Philadelphia 6, Pa.; f. 1743; 500 resident, 75 foreign mems.; Exec. Officer Dr. GEORGE W. CORNER; publs., *Proceedings* (bi-monthly), *Transactions*, *Year Book*, *Memoirs*.

American Psychological Association, f. 1892; 20,989 mems.; Exec. Officer ARTHUR H. BRAYFIELD, 1333 16th Street, N.W., Washington 6, D.C.

Metaphysical Society of America, The: c/o Secretary-Treasurer, FRANCIS H. PARKER, Haverford College, Haverford, Penn; f. 1950; to study philosophically professional, religious, racial, and regional boundaries; 500 mems.; Pres. JAMES COLLINS.

Psychometric Society, f. 1935; 450 mems.; Managing Editor Dr. LYLE V. JONES; publ. *Psychometrika* (quarterly).

PHYSICS

Acoustical Society of America, 335 East 45th Street, New York 17, N.Y.; f. 1929; 3,200 mems.; Sec. WALLACE WATERFALL; publ. *Journal* (bi-monthly).

American Crystallographic Association, f. 1950; 750 mems.; Sec. HENRI A. LEVY, Oak Ridge National Laboratory, Oak Ridge, Tenn.

American Institute of Physics, 335 E. 45th Street, New York 17, N.Y.; f. 1931; a federation of five societies with total membership of approx. 24,000; Dir. ELMER HUTCHISSON; Sec. WALLACE WATERFALL; publ. *The Physics of Fluids*.

American Nuclear Society, 244E Ogden, Hinsdale, Illinois; f. 1954; for the advancement of science and engineering relating to the atomic nucleus, and of allied sciences and arts, and the integration of the several disciplines constituting nuclear science and technology; nation-wide meetings held in June and November to discuss contributed and invited technical papers; topical meetings held three times yearly to review progress in specific areas; seven Divisions: Hot Laboratory; Isotopes and Radiation; Shielding; Reactor Operations; Reactor Mathematics and Computations; Aerospace; Materials, Science and Technology; 23 local Sections; approx. 5,000 mems., representing over 500 corporations, educational institutions, and government agencies and including 400 overseas mems. in 36 countries; Pres. CLARKE WILLIAMS; Vice-Pres. WILLIAM E. SHOUPP; Treas. RAYMOND D. MAXSON; Exec. Sec. OCTAVE J. DU TEMPLE; publs. *Nuclear Science and Engineering* (monthly), *Nuclear News* (monthly), *Transactions* (twice yearly June and Nov.), *Proceedings of the Hot Laboratory Division* (yearly); technical monographs.

American Physical Society, Columbia University, New York 27, N.Y.; f. 1899; 15,000 mems.; Sec. Dr. KARL K. DARROW; publs. *Bulletin, Physical Review, Reviews of Modern Physics*.

Electron Miscroscope Society of America, 505 King Avenue, Columbia, Ohio; annual meeting, presenting technical papers and exhibits; 1,200 mems.; Pres. (1963) C. M. SCHWARTZ; Sec. R. A. HARTMAN; Exec. Sec. C. G. COCKS.

Oak Ridge Institute of Nuclear Studies, Inc., P.O. Box 117, Oak Ridge, Tenn.; corporation of 38 southern U.S. universities operating under contract with U.S. Atomic Energy Commission to participate in and support the nation's atomic energy programme.

POLITICAL SCIENCE AND SOCIOLOGY

African Studies Center: University of California, Los Angeles; center for the co-ordination of scholarship on Africa in the social sciences and humanities, and for graduate training on Africa; Dir. Prof. J. S. COLEMAN.

American Academy of Political and Social Science, The, 3937 Chestnut Street, Philadelphia 4, Pa.; f. 1889; 16,110 mems.; Pres. Dr. JAMES C. CHARLESWORTH; Business Man. GENEVA LEACH; publ. *The Annals* (bi-monthly).

American Arbitration Association, 477 Madison Avenue, New York 22, N.Y.; f. 1926; 1,300 mems., 15,600 arbitrators on national panel; Pres. DONALD B. STRAUSS; International Vice-Pres. MARTIN DOMKE; publ. *Arbitration Journal* (quarterly).

American Institute of Pacific Relations, 333 Sixth Avenue, New York 14, N.Y.; f. 1925; 470 mems.; constitutes the U.S. National unit of the international body; Chair. ALBERT MAYER; Exec. Sec. WILLIAM L. HOLLAND; publs. *Far Eastern Survey* (monthly), and scholarly books.

American Peace Society, 1307 N.H. Avenue, N.W., Washington 6, D.C.; f. 1828; Pres. Dr. PAUL M. A. LINEBARGER; Exec. Sec. Dr. ELLEN COLLINS; publ. *World Affairs* (quarterly).

American Personnel and Guidance Association, 1605 New Hampshire Avenue, N.W., Washington 9, D.C.; f. 1952; 16,500 mems.; six divisions: American College Personnel Association, Association for Counselor Education and Supervision, National Vocational Guidance Association, Student Personnel Association for Teacher Education, American School Counselor Association, American Rehabilitation Counseling Association; Pres. Dr. WILLIS E. DUGAN; Exec. Dir. Dr. ARTHUR A. HITCHCOCK; publ. *The Personnel and Guidance Journal*.

American Political Science Association, The, 1726 Massachusetts Avenue, N.W., Washington 6, D.C.; f. 1903; 9,500 mems.; Exec. Dir. EVRON M. KIRKPATRICK; publ. *The American Political Science Review* (quarterly).

American Society for Public Administration, 6042 Kimbark Avenue, Chicago 37, Ill.; f. 1939; 6,500 mems.; national and regional conferences, management institutes, personnel exchange; chapters in local centres; Exec. Dir. DON L. BOWEN; publs. *Public Administration Review* (quarterly), *Public Administration News* (quarterly).

American Sociological Association: New York University, Washington Square, New York 3, N.Y.; f. 1905; 7,000 mems.; Sec. TALCOTT PARSONS; Exec. Offr. ROBERT BIERSTEDT; publ. *The American Sociological Review* (bi-monthly), *Sociometry* (quarterly).

American Studies Association: University of Pennsylvania, Philadelphia 4, Penn.; f. 1951; research and teaching in the field of U.S. culture, civilisation, literature and society; 1,800 individual mems., 1,000 institutions; Pres. RALPH GABRIEL; Exec. Sec. CHARLES BOEWE; publs. *American Quarterly*, *American Studies*.

Association for the Study of Negro Life and History, Inc., 1538 Ninth Street, N.W., Washington 1, D.C.; f. 1915; 10,775 mems.; Pres. CHARLES H. WESLEY; Sec.-Treas. ALBERT N. D. BROOKS; publs. *Negro History Bulletin* (monthly), *Journal of Negro History* (quarterly).

Carnegie Endowment for International Peace, United Nations Plaza at 46th Street, New York 17, N.Y.; f. 1910; object: to promote international peace through research, publications, other educational activities and co-operation with organisations having a similar objective; present programme; study of the political role of military force, science and technology, fellowships and seminars for diplomats of newly indepedent nations, encouragement of education in world affairs, case studies in international conflicts, provision of facilities for meetings, conferences, exhibits in the Carnegie Endowment International Centre and publication of

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books and pamphlets, primarily on problems of international organisation; Pres. JOSEPH E. JOHNSON; 26 trustees; publ. *International Conciliation* (five times a year). European Centre, 172 route de Ferney, Grand Saconnex, Geneva, Switzerland.

Council of State Governments, The: 1313 East 60th Street, Chicago 37, Ill.; f. 1925; Exec. Dir. BREVARD CRIHFIELD; Other Offices, Washington, D.C., New York, Atlanta and San Francisco; a joint governmental agency established by the States for service to the States; publs. *State Government* (quarterly), *State Government News* (monthly), *The Book of the States* (biennially, even-numbered years, with supplements issued in odd-numbered years), *Digest of Opinions of Attorneys General* (monthly), *Legislative Session Sheet* (weekly), *Proceedings: Governors' Conference* (annual), *National Association of Attorneys General* (annual), *Legislative Research Check-list* (quarterly), and many volumes of reports, research, etc.

Council on Foreign Relations, Inc., 58 East 68th Street, New York 21, N.Y.; f. 1921; 1,400 mems.; Chair JOHN J. MCCLOY, Pres. HENRY M. WRISTON; Sec. FRANK ALTSCHUL; Exec. Dir. GEORGE S. FRANKLIN; publs. *Foreign Affairs* (quarterly), *United States in World Affairs* (annual), *Documents on American Foreign Relations* (annual), *Political Handbook of the World* (annual), also many publs. on specific international questions.

Eastern Sociological Society, a regional affiliate of the American Sociological Association; f. 1930; 1,000 mems.; Sec. SYLVIA FLEIS FAVA, Dept. of Sociology Anthropology, Brooklyn College, Brooklyn 10, New York.

Foreign Policy Association, Inc., 345 East 46th Street, New York 17, N.Y.; f. 1918; object: to promote community organisations for world affairs education, to provide assistance to such local organisations through a national service centre and regional offices, and to advance public understanding of foreign policy problems through national programmes and publications of a non-partisan character based upon the principles of freedom, justice and democracy; Chair. of Nat. Bd. of Dirs. EMILE S. SOUBRY; publs. *Headline Series* (bi-monthly), *Intercom* (7 times a year).

Hispanic American Society, The: *see* Institute of Hispanic American and Luso-Brazilian Studies.

Institute of Hispanic American and Luso-Brazilian Studies: Bolivar House, 532 Alvarado Row, Stanford, California; attached to Stanford University; Dir. RONALD HILTON; publs. *Hispanic American Report* (monthly) and others.

Institute of World Affairs, Inc., 527 Madison Avenue, Room 314, New York 22, N.Y.; f. 1924; an international seminar for students and graduates; nearly 1,500 graduate mems.; Pres. Mrs. ALEXANDER M. HADDEN; Exec. Dir. LOUIS V. LEHTONEN.

Library of International Relations: 660 North Wabash Avenue, Chicago 11, Ill.; f. 1932; non-profit institution supported by voluntary contributions; founded to stimulate interest and research in international problems; 500 mems.; has a specialised collection of 300,000 books, documents and pamphlets, and more than 1,000 magazines and newspapers coming from all over the world; holds Round Table discussions for members; conducts seminars on special areas; offers documentary film programmes; offers special services to businesses and to academic institutions; Chair. PHILIP M. HAUSER; Sec. ELOISE RE QUA; Head of Reference Dept. JANE STATHAM.

Middle East Institute, 1761 N Street, N.W., Washington 6, D.C.; f. 1946; objects: to develop and maintain facilities for research, publication, and teaching, with a view to developing in the United States a more thorough understanding of the countries of the Middle East; the Institute holds an annual conference on Middle East affairs; 560 mems.; Pres. JAMES TERRY DUCE; Sec.-Treas. FRANCIS BOARDMAN; Dir. of Publs. and Acting Managing Dir. WM. SANDS; publs. *The Middle East Journal* (quarterly).

National Association for the Advancement of Colored People, 20 West 40th Street, New York 18, N.Y.; f. 1909; 335,000 mems.; Pres. ARTHUR B. SPINGARN; Chair. Board of Dirs. CHANNING H. TOBIAS; Exec. Sec. ROY WILKINS; publ. *The Crisis* (ten issues annually).

National Institute of Social Sciences, 271 Madison Avenue, New York 16, N.Y.; f. 1899; 450 mems.; Sec. Miss ROSINA HAHN.

Pacific Sociological Society, Sec.-Treas. MAURICE D. VAN ARSDOL, Jr., University of Southern California, Los Angeles 7, Calif.

Population Association of America, Inc., Providence, R.I.; f. 1932; 500 mems.; Sec. Dr. KURT MAYER, Dept. of Sociology and Anthropology, Brown Univ. of Providence, Rhode Island; publ. *Population Index.*

Population Council, Inc., The, 230 Park Avenue, New York 17, N.Y.; f. 1952; Pres. Dr. FRANK W. NOTESTEIN; Demographic Dir. Dr. DUDLEY KIRK; Assoc. Medical Dir. Dr. SHELDON J. SEGAL; publs. *Annual Reports.*

Social Science Research Council, 230 Park Avenue, New York 17, N.Y.; f. 1923; seven affiliated societies; Pres. PENDLETON HERRING; publ. *Social Science Research Council Items* (quarterly).

World Peace Foundation, 40 Mount Vernon Street; Boston 8, Mass.; f. 1910; Exec. Sec. ALFRED O. HERO; study and discussion groups for individuals with a serious interest in world affairs; research into field of American public opinion on foreign policy; publs. Documents on American Foreign Relations (1938-51), *International Organisation* (quarterly), *United Nations at Work: Basic Documents, Charter of the United Nations: Commentary and Documents, Negotiating with the Russians, European Peace Treaties after World War II, Partners in the Free World, Studies in Citizen Participation in International Relations* (7 vols.).

SCIENCE, ANTHROPOLOGY, EUGENICS

American Anthropological Association, 1530 P. Street, N.W. Washington 5, D.C.; f. 1902; 3,250 mems.; 975 Fellows; Sec. STEPHEN T. BOGGS; publs. *The American Anthropologist, Memoirs, Fellow Newsletter.*

American Association for the Advancement of Science, 1515 Massachusetts Avenue, N.W., Washington 5, D.C.; f. 1848; 83,600 mems.; Exec. Officer DAEL WOLFLE; publs. *Science* (weekly), *Symposium Volumes.*

American Eugenics Society, Inc., 230 Park Avenue, New York 17, N.Y.; f. 1926; 500 mems.; Pres. Dr. HARRY L. SHAPIRO; publ. *Eugenics Quarterly,* Acting Editor RICHARD H. OSBORNE.

Buffalo Society of Natural Sciences, Humboldt Park, Buffalo 11, N.Y.; org. 1861; anthropology, astronomy, biology, botany, chemistry, geography, geology, physics, palæontology; education department: adult and junior education, visual education, music and arts, loan exhibitions; administers the Buffalo Museum of Science; Pres. GEORGE F. GOODYEAR; Dir. and Exec. Sec. FRED T. HALL; publ. *Science on the March.*

Cranbrook Institute of Science, Bloomfield Hills, Michigan; f. 1930; 2,000 mems.; Dir. ROBERT T. HATT; publs. *Bulletins, News Letters, Annual Reports.*

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History of Science Society, f. 1924; 1,200 mems.; Sec. JOHN C. GREENE, Dept. of History, Iowa State University, Ames, Iowa; publ. *Isis* (quarterly).

Institute of Basic Research in Science, University of California, Berkeley, Calif.; f. 1956.

Mellon Institute, Pittsburgh 13, Pennsylvania; f. 1913 by Andrew W. Mellon and Richard B. Mellon; the Institute is an endowed non-profit corporate body for conducting comprehensive investigations on important problems in the fundamental and applied natural sciences, for training research workers, and for providing technical information adaptable to professional, public, and industrial advantage. Its fundamental and applied investigations embrace a variety of practical problems and many sub-areas of chemistry, physics, and technology. In the Research Division of the Institute are 303 employees; in the Administrative Division, 214; and in the Finance Division, 10; the library contains 35,000 vols.; Chair. of Board of Trustees PAUL MELLON; Pres. Dr. PAUL CLIFFORD CROSS; publs. *Mellon Institute News, Industrial Hygiene Digest, Journal of the Air Pollution Control Association, APCA Abstracts,* and special bulletins and reprints of papers. During the fiscal year ended Feb. 28th, 1963 the Institute's expenditures for fundamental and applied research amounted to $6.2 million.

National Bureau of Standards, Washington 25, D.C.; f. 1901 by Act of Congress; serves the Federal Government as a laboratory for basic and applied research in physics, mathematics, chemistry and engineering; is responsible for custody and maintenance of, and research into, the national standards of physical measurement; supplies specialised information and equipment to government agencies; assists industrial groups in research problems; has the following scientific and technical divisions: Electricity, Metrology, Heat, Radiation Physics, Analytical and Inorganic Chemistry, Mechanics, Polymers, Inorganic Solids, Metallurgy, Building Research, Applied Mathematics, Data Processing Systems, Atomic Physics, Instrumentation, Physical Chemistry, Ionosphere Research and Propagation, Radio Communication and Systems, Upper Atmosphere and Space Physics, Cryogenic Engineering, Radio Propagation Engineering, Radio Standards, Office of Weights and Measures; Staff of 3,800; Dir. Dr. A. V. ASTIN; publs. *Journal of Research, Technical News Bulletin, Basic Radio Propagation Predictions*; main centre of operations outside Washington is the **Boulder Laboratories,** Boulder, Colo., where work on radio propagation and cryogenic engineering is conducted; field stations include four Concreting Materials Laboratories and nineteen Radio Propagation Field Stations.

For Library *see under* Department of Commerce; Libraries.

National Science Foundation: 1951 Constitution Avenue, N.W., Washington 25, D.C.; f. 1950; independent agency of the U.S. Government concerned with the support of basic research and education in the sciences; awards grants for investigation, facilities and equipment; provides educational and training opportunities for students, advanced scholars, teachers; supports the development of improved science courses for schools and colleges; promotes the dissemination and exchange of scientific information; administers the U.S. Antarctic Research Program and co-ordinates the weather modification research efforts of the U.S. Government; a 24-member National Science Board (Chair. Dr. DETLEV W. BRONK) and a Director (Dr. LEYLAND J. HAWORTH) develop the plans and policies of the Foundation and guide its operation.

Scientific Research Society of America, The, 54 Hillhouse Avenue, New Haven, Conn.; f. 1947 for the encouragement of scientific research, particularly industrial and governmental laboratories; over 3,000 mems.; Dir. Dr. DONALD B. PRENTICE; publs. as for Sigma Xi.

Society of the Sigma Xi, The, 51 Prospect Street, New Haven 11, Conn.; f. 1886 for the encouragement of scientific research; over 120,000 mems.; Pres. WALLACE R. BRODE; Pres.-Elect. FREDERICK D. ROSSINI; Exec. Sec. THOMAS T. HOLME; Treas. DONALD B. PRENTICE. publs. *American Scientist* (quarterly), *Science in Progress* (biennial volume).

TECHNOLOGY

American Ceramic Society, Inc., 4055 North High Street, Columbus 14, Ohio; f. 1899; 5,480 individual mems., 390 corporation mems.; Gen. Sec. CHARLES S. PEARCE; publs. *Journal, Bulletin, Ceramic Abstracts* (all monthly).

American Institute of Aeronautics and Astronautics: 1290 Avenue of the Americas, N.Y.; f. 1963 (formerly the Institute of the Aerospace Sciences and the American Rocket Society); 32,000 professional, 4,000 student mems.; Exec. Sec. S. PAUL JOHNSTON; publs. *Astronautics and Aerospace Engineering, AIAA Journal, International Aerospace Abstracts* (monthly).

American Iron and Steel Institute: 150 East 42nd Street, New York 17, N.Y.; Pres. JOHN P. ROCHE; Vice-Pres. and Sec. GEORGE S. ROSE.

American Society for Metals: Metals Park, Novelty, Ohio; f. 1920; 35,000 mems.; Man. Dir. A. R. PUTNAM, publs. *Metal Progress* (monthly), *Metals Review* (monthly), *ASM Review of Metal Literature* (monthly and annual), *Metals Engineering Quarterly, Transactions Quarterly, Transactions* (annual), *Metals Handbook.*

American Society for Testing Materials, 1916 Race Street, Philadelphia 3, Pa.; inc. 1902; 10,000 mems.; Pres. F. L. LAQUE; Exec. Sec. T. A. MARSHALL, Jr.; publs. *Bulletin* (eight per year), *Proceedings* (annually), *Book of ASTM Standards* (tri-ennially).

Industrial Research Institute, Inc., 100 Park Avenue, New York 17, N.Y.; f. 1938; 180 mems.; Sec.-Treas. C. G. WORTHINGTON.

Mining and Metallurgical Society of America: 11 Broadway, New York 4, N.Y.; Pres. FRANCIS CAMERON.

National Society for the Study of Communication, f. 1950; 510 mems.; Exec. Sec. Dr. CARL N. WEAVER, Univ. of Maryland, Baltimore, Md.; publs. *The Journal of Communication, The NSSC Newsletter.*

Society for the History of Technology: Case Institute of Technology, Cleveland 6, Ohio; f. 1958; concerned with history of technological devices and processes, relations of technology with science, politics, social change, the arts and humanities, and economics; affiliated to the American Association for the Advancement of Science; Pres. Dr. CYRIL S. SMITH; Sec. Dr. MELVIN KRANZBERG; publ. *Technology and Culture* (quarterly).

ZOOLOGY

American Microscopical Society, Department of Botany, Michigan State University, East Lansing, Mich.; f. 1878; 578 mems. and 386 subscribers; Sec.-Editor Dr. G. W. PRESCOTT; Custodian, Spencer-Tolles Fund Dr. J. E. ACKERT; publ. *Transactions* (quarterly).

American Ornithologists' Union, 1703 Wolverine Tower, Battle Creek, Michigan; 2,600 mems.; Sec. LAWRENCE H. WALKINSHAW; publ. *The Auk.*

American Society of Ichthyologists and Herpetologists, San Fernando Valley State College, Northridge, Calif., f. 1913; 2,000 mems. and subscribers; Sec. JAMES A. PETERS; publ. *Copeia* (quarterly).

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American Society of Limnology and Oceanography, f. 1936; 1,028 mems.; Sec. GEORGE H. LAUFF, Dept. of Zoology, Univ. of Michigan, Ann Arbor, Mich.

American Society of Mammalogists: Oklahoma State University, Stillwater, Okla.; f. 1919, inc. 1920; 1,850 mems.; object of the Society is the promotion of the interest of Mammalogy by holding meetings, issuing serial or other publications, and aiding research; five classes of mems., all elective: Annual, Life, Patron, Honorary and Emeritus; the Society is affiliated with the American Association for the Advancement of Science, the Union of Biological Societies, the National Academy of Science, the American Institute of Biological Sciences, and the International Union for the Conservation of Nature; Sec.-Treas. Dr. BRYAN P. GLASS; publs. *Journal of Mammalogy* (quarterly) and occasional monographs.

American Society of Naturalists, f. 1883; 655 mems.; Pres. Prof. KENNETH V. THIMANN; Sec. Prof. WARREN P. SPENCER, Wooster College, Wooster, Ohio; publ. *The American Naturalist* (bi-monthly).

American Society of Zoologists: f. 1903; 2,975 mems.; Sec. Dr. CHARLES B. METZ, Institute for Space Biosciences, Florida State University, Tallahassee, Florida.

American Veterinary Medical Association, 600 S. Michigan Avenue, Chicago 5, Ill.; f. 1863; 16,500 mems.; Exec. Sec. Dr. H. E. KINGMAN, Jr.; publs. *Journal of the A.V.M.A.* (fortnightly) and *American Journal of Veterinary Research* (bi-monthly).

Entomological Society of America, f. 1953 by the union of the American Association of Economic Entomologists (f. 1889) and the former Entomological Society of America (f. 1906); Exec. Sec. R. H. NELSON, 4603 Calvert Road, College Park, Maryland; publs. *Annals of the Entomological Society of America* (bi-monthly), *Journal of Economic Entomology* (bi-monthly), *Bulletin* (quarterly), *Entoma* (biennial).

Mycological Society of America, New York Botanical Garden, Bronx Park, New York City, N.Y.; f. 1931; 800 mems.; Sec.-Treas. E. G. SIMMONS; publs. *Mycologia* (bi-monthly), *News-letter* (bi-annually).

New York Zoological Society, 630 5th Avenue, New York 20, N.Y.; f. 1895; *ca.* 4,500 mems.; Pres. FAIRFIELD OSBORN; Dir. Zool Park WILLIAM G. CONWAY; Dir. New York Aquarium CHRISTOPHER W. COATES; publs. *Zoologica* (quarterly), *Animal Kingdom* (bi-monthly).

San Diego Society of Natural History, P.O. Box 1390, San Diego 12, Calif.; f. 1874 to further the knowledge of natural history and the conservation of natural resources; 800 mems.; library of 80,000 vols.; Pres. I. NORMAN LAWSON; Sec. and Dir. of Museum GEORGE E. LINDSAY; Librarian Mrs. AZALEA P. GORBY; publs. *Transactions, Memoirs, Occasional Papers* (irregular).

Society of Vertebrate Paleontology: Pres. ROBERT H. DENISON, Chicago Natural History Museum, Chicago, Ill.; Sec. and Treas. RAINER ZANGERL, Chicago Natural History Museum, Chicago, Ill.

Wildlife Management Institute, 709 Wire Building, Washington 5, D.C.; inc. 1946; 647 mems.; Pres. Dr. IRA N. GABRIELSON; Vice-Pres. and Sec. C. R. GUTERMUTH; publs. *Transactions* (annual), *Outdoor News Bulletin* (bi-weekly).

Wildlife Society, 5921 Anniston Road, Bethesda 14, Md.; f. 1937; 3,000 mems.; Exec. Sec. C. GORDON FREDINE; publs. *Journal of Wildlife Management, Wildlife Society News, Wildlife Monographs.*

LIBRARIES

There are many thousands of libraries in the United States, ranging from the small town library of a few hundred volumes to the library in the large city where the number may be reckoned in millions. As limitation of space makes it impossible to list all these, we give a selection classified as follows:

(a) Special Libraries.
(b) Government Department Libraries.
(c) Specialised Libraries attached to Associations and Societies.
(d) Selected University Libraries.
(e) Selected Public Libraries.
(f) Library Associations.

SPECIAL LIBRARIES

The Dag Hammarskjöld Library: United Nations, New York City; dedicated 1961; includes the Woodrow Wilson collection of books and documents presented to the United Nations in 1950.

Dumbarton Oaks Research Library and Collection: 1703 32nd Street, Washington 7, D.C.; given to the President and Fellows of Harvard College in 1940 by Mr. and Mrs. Robert Woods Bliss and incorporated in the District of Columbia as Trustees for Harvard University; the Library and Collection form a research centre for study in early Christian, Byzantine and Medieval Civilization; Professors and Fellows are appointed by Harvard University; research library of over 55,000 volumes; the Collection is devoted primarily to Early Christian and Byzantine art, and includes ivories, silver, bronzes, jewellery, textiles, and some scupture; Dir. JOHN S. THACHER, A.B., D.PHIL.; Dir. of Studies Prof. ERNST KITZINGER, D.PHIL.

Folger Shakespeare Library: Washington 3, D.C.; dedicated 1932; collections comprise: the world's largest collection of original editions and reprints of Shakespeare; slightly more than 50 per cent of the extant titles of English Renaissance books, 1475-1640; one of the most significant collections in the Western Hemisphere for the study of British civilisation between 1500 and 1700; Continental books of 16th and 17th centuries; 185 vols. 18th-century Strozzi MSS.; a Dryden collection; English plays, 1641-1700; about 100,000 books of 18th, 19th and 20th centuries, dealing with the Elizabethan age; approximately 250,000 play bills; some 50,000 MSS. of 16th and 17th centuries relating to the life and times of Shakespeare; approximately 50,000 literary and theatrical prints and engravings; administered by Trustees of Amherst College; Dir. Dr. LOUIS BOOKER WRIGHT.

Franklin D. Roosevelt Library: Hyde Park, New York; dedicated 1941; manuscripts, photographs, printed and museum materials concerning Franklin D. Roosevelt's career and period, incl. 7,500 cu. ft. of his papers, many papers of his contemporaries and associates, administered by the Archivist of the United States, WAYNE C. GROVER; 80,000 photographs; 35,000 books; 43,000 other printed items; Dir. ELIZABETH B. DREWRY,

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Henry E. Huntington Library and Art Gallery: San Marino, California; estab. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden. Library collections, chiefly in fields of English and American literature and history, include some 230,000 rare books (5,250 incunabula), about one million MSS., a large print collection and a working reference library; available under restrictions to scholars and others engaged in research or creative work, on application to the Librarian. The printed book collection is particularly strong in the English renaissance, American Revolutionary War period, American Civil War material and Lincolniana, Californiana and the history of the Southwest; and the history of book production. A research programme includes fellowships, grants, and publication of the *Hunt ngton Library Quarterly* and other scholarly works; *i*Chair Board of Trustees HOMER D. CROTTY; Dir. JOHN E. POMFRET; Librarian ROBERT O. DOUGAN; Curators. Art ROBERT WARK, Manuscripts HERBERT C. SCHULZ: Rare Books ROBERT O. SCHAD, Prints WILLIAM A, PARISH; Supt. of Grounds J. HOWARD ASPER. *See also* Museums and Art Galleries.

Herbert Hoover Library and Museum: West Branch, Iowa; f. 1962; official papers and mementos of America's 31st President.

Hoover Institute on War, Revolution and Peace: Stanford, California; f. 1919; international centre of documentation and research on political, social and economic change in the twentieth century; over 25,000,000 items on the causes and consequences of war and revolutionary movements, and man's endeavour to achieve peace; with particular emphasis on the rise and spread of communism and other totalitarian movements; independent, within the framework of Stanford University; founded in 1919 by HERBERT HOOVER; Dir. W. GLENN CAMPBELL; Asst. Dir. WITOLD S. SWORAKOWSKI; Librarian PHILIP T. MCLEAN.

John Crerar Library: Acquisitions Department, 35 West 33rd Street, Chicago 16, Ill.; f. 1895; about 1,000,000 vols. and pamphlets on the basic sciences, mathematics, astronomy, physics, chemistry, geology, and the biological sciences, and their applications in agriculture, medicine, and all branches of engineering; Librarian HERMAN H. HENKLE.

Library of Congress, The: Washington 25, D.C.; f. 1800; contained, on June 30th, 1961, more than 12,534,000 volumes and pamphlets, 17,989,000 MSS. (pieces), 2,684,000 maps, 2,111,000 volumes and pieces of music, and large numbers of unbound serial parts, unbound newspaper issues, microfilms, motion-picture reels, phonograph records, photographic negatives, prints and slides, fine prints, broadsides, posters, etc., totalling nearly 42,000,000 items; the operations, activities and personnel of the library are divided into six broad departments—Administrative, Reference, Legislative Reference Service, Processing, and the Law Library and Copyright Office; divisions include: general reference and bibliography, blind, MSS., maps, music, Orientalia, prints and photographs, science, Slavic and Central European, serials; also Hispanic Foundation, Photoduplication Service; National Union Catalogue (now containing more than 14,000,000 cards for important holdings of over 700 institutions); a card division, which distributes cards, book catalogues and other technical publications to approximately 14,000 libraries, firms and individuals; two general and fifteen special reading rooms; publs. *Annual Report, Information Bulletin, Quarterly Journal of Current Acquisitions*, etc. (a list of Library of Congress publictions is available); Librarian L. QUINCY MUMFORD.

Library of International Relations: 660 North Wabash, Chicago 11, Ill.; f. 1932; a free reference library of 300,000 books, pamphlets, periodicals, and documents relating to international relations and to current economic, political, and social conditions in all countries, with special collections on Latin America and Asia; a clearing house for information on publications and organisations in the international field; 500 mems.; Dirs. ELOISE REQUA; Head of Ref. Dept. JANE STATHAM.

National Library of Medicine (formerly **Armed Forces Medical Library**): Bethesda 14, Maryland; f. 1836; 1,000,000 books, pamphlets and periodicals on medicine and related subjects and 35,000 vols. of the history of medicine, 500 medical incunabula, MSS. prior to 1801. Dir. Dr. FRANK B. BOGERS; publs. *Index Medicus, National Library of Medicine Catalog, Bibliography of Medical Reviews.*

Newberry Library: Chicago 10, Illinois; f. 1887; a free public reference library of over 800,000 volumes in the humanities, with special collections on the American Indians, the history of printing, music, American and English history and literature, exploration and early cartography, Portugal, the Renaissance in England and Europe, French history from the Renaissance to 1794, the Philippine Islands; Pres. EVERETT D. GRAFF; Librarian STANLEY PARGELLIS.

Pierpont Morgan Library: 29-33 East 36th Street, New York 16, N.Y.; collections formed by J. Pierpont Morgan, with additions made by his son and others; among its treasures are: Medieval and Renaissance MSS. from 6th to 16th centuries; Constance Missal and other printed books from the inception of printing, *circa* 1450 to the 20th century; Assyrian and Babylonian seals, cylinders, and cuneiform tablets; Egyptian, Greek, and other papyri; authors' autographed MSS. and letters from 15th to 20th centuries; historical letters and documents from 11th to 20th centuries; bookbindings; prints and master drawings; paintings, tapestries, sculpture, and art objects; Dir. FREDERICK B. ADAMS, Jr.

GOVERNMENT DEPARTMENT LIBRARIES

WASHINGTON, D.C.

Army Library, The: Department of Army, The Adjutant-General's Office, The Pentagon, Washington 25, D.C.; f. 1944; combines the resources of 28 former War Dept. libraries into one central collection in the Pentagon; 235,000 vols., and 900,000 documents; special collections on military arts and sciences, unit histories, military law; and Army administrative, training and technical publications; provides field library service to over 280 legal offices of the Judge Advocate General's Corps and of the Department of Army; Dir. PAUL J. BURNETTE.

Department of Commerce: 459,000 vols.; WANDA MAE JOHNSON.

Bureau of Census Library 170,000 vols.; DOROTHY W KAUFMAN (acting).

Bureau of Public Roads Library: 255,000 vols.; M. W. HELVESTINE.

Coast and Geodetic Survey Library: 130,449 vols.; 378,284 survey records; JOHN S. COOK; 400,000 maps and charts; L. D. LYNN.

Maritime Administration Library: 50,000 vols.; FERN L. PITTMAN.

National Bureau of Standards Library: 100,000 vols.; SARAH ANN JONES.

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Patent Office Scientific Library: 294,000 vols.; W. R. CAMPBELL.

Weather Bureau Library: 145,000 vols.; JOHN P. WEBBER.

Department of Justice: f. 1831; 200,000 vols., principally Anglo-American legal and related materials; Librarian MARVIN P. HOGAN.

Department of Labor: f. 1885; 415,000 vols.; MARGARET F. BRICKETT.

Department of State: f. 1789; 500,000 vols., 175,000 research reports, 5,500 reels and strips of microfilm; materials relate primarily to the economic, political and social conditions in foreign areas, international relations and diplomatic history; Librarian FRED W. SHIPMAN; Assistant Librarian ARTHUR B. BERTHOLD.

Department of the Interior:

Department of the Interior Library: 546,000 vols.; est. in 1950 through consolidation of 8 bureau libraries; Librarian P. HOWARD.

Geological Survey Library: 300,379 vols., 175,551 maps, 273,408 pamphlets; Librarian W. H. HEERS.

Division of Geography Library: 12,500 vols., 147,000 maps; Librarian Mrs. ELSI YODER.

Department of the Treasury: 100,000 vols. (economic and legal) covering domestic and international conditions; original U.S. Govt. source material together with extensive collections in fields of taxation, finance, national income, revenue and business estimating, foreign trade, federal state and international law, legislative reference material, etc.; RICHARD CHARLES DAHL.

National Agricultural Library: U.S. Dept. of Agriculture, South Building, 14th Street and Independence Ave., S.W., Washington 25, D.C.; 1,200,000 vols.; agriculture and the related sciences; especially good collection of botany, zoology, chemistry, veterinary medicine, forestry, plant pathology, general agriculture; Dir. FOSTER E. MOHRHARDT; publ. *Bibliography of Agriculture* (monthly).

U.S. Senate Library: f. 1824; 300,000 vols., including special collection of Legislative and Departmental Proceedings and Documents from 1774; the work of the Senate Library is essentially that of research and reference for the use of the Senate and its committees; principal services rendered include organisation and preparation of specialised legislative material, and official documents, bibliographies, chronologies, digests of legislation; Librarian RICHARD D. HUPMAN; publs. *Factual Campaign Information, Index of Congressional Committee Hearings, Senate Election Cases from 1913 to 1940, Proposed Amendments to the Constitution of the United States, 1926 to 1957, Presidential Vetoes, 1889 to 1958, Manner of Selecting Delegates to the National Political Conventions and the Nomination and Election of Presidential Electors, Our Capitol, History of the Senate Seal.*

U.S. House of Representatives Library: 600,000 vols., and special bound collections of all Governmental publications since adoption of the Constitution; JOHN A. COOPER.

U.S. Navy Department: Washington 25, D.C.; f. 1798; 100,000 vols.; and various bureau and office libraries and special collections; WALTER B. GREENWOOD.

Veterans Administration: Medical and General Reference Library, Washington 25, D.C.; f. 1930; Librarian MABEL McL. BRANDLY.

Department of Health, Education and Welfare: comprising:

Department Library: 700,000 vols.; located Headquarters Building; Librarian KANARDY L. TAYLOR.

National Institutes of Health Library: 100,000 vols.; located National Institutes of Health, Bethesda, Md.; Librarian JESS MARTIN.

St. Elizabeths Hospital Library: 24,000 vols.; located Hospital Grounds, Washington, D.C.; Librarian Miss ELIZABETH REAVIS.

Social Security Administration Library: 40,000 vols.; located Baltimore, Md.; Librarian Miss ANITA GOLDSTEIN.

SPECIALISED LIBRARIES ATTACHED TO ASSOCIATIONS AND SOCIETIES

(with a total number of volumes over 100,000.)

ALABAMA

State Department of Archives and History: World War Memorial Building, Montgomery 5; f. 1901; 260,000 vols.; historical; Dir. Mrs. MARIE B. OWEN; publ. *Alabama Historical Quarterly.*

ARIZONA

Department of Library and Archives: Phoenix; 387,657 vols.; law, government, Arizona and Southwest history, genealogy, documents, library extension service, archives; Dir. ALICE B. GOOD.

CALIFORNIA

Los Angeles County Law Library: 301 West First Street, Los Angeles 12, f. 1891; 379,946 vols.; Librarian FORREST S. DRUMMOND; Foreign Law Librarian WILLIAM B. STERN.

San Francisco Law Library: 436 City Hall, San Francisco 2; 169,218 vols., main library; 30,367 vols., branch library; law; ROBERT J. EVERSON.

ILLINOIS

Chicago Law Institute, 1025 County Building, 118 N. Clark Street, Chicago 2, Ill.; f. 1857; 1,815 mems.; library of 121,500 vols.; Sec. JOSEPH R. CECCHINI; Librarian RUSSELL BAKER.

Garrett Biblical Institute Library: Evanston; f. 1853; 153,000 vols.; theology; RAY RADOSLAV SUPUT.

Illinois State Historical Library: Springfield, Ill.; f. 1889; 153,911 vols.; special collections, including Lincolniana, Civil War, Illinois newspapers, genealogy, Mormon history, Mid-West Americana; State Historian CLYDE C. WALTON; publs. *Collections of the Illinois State Historical Library, Journal of the Illinois State Historical Society, Illinois History.*

Municipal Reference Library: City Hall, Chicago 2; 200,000 vols.; free reference library; FREDERICK REX.

KANSAS

Kansas State University of Agriculture and Applied Science: Manhattan, Kansas; 284,527 vols.; Librarian JOE W. KRAUS.

Kansas State Historical Society Library: Topeka; f. 1875; 243,510 vols.; Librarian ALBERTA PANTLE; publ. *Kansas Historical Quarterly.*

MASSACHUSETTS

American Antiquarian Society Library: Worcester 9; f. 1912; 751,000 vols.; Americana to 1876; Dir. C. K. SHIPTON; Librarian M. A. McCORISON; publ. *Proceedings* and monographs.

Boston Medical Library: 8 Fenway, Boston 15; 395,000 vols. medical; Librarian CHARLES C. COLOY, III.

Massachusetts Historical Society Library: 1154 Boylston Street, Boston, Mass.; f. 1791; 250,000 vols.; Director STEPHEN T. RILEY.

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MINNESOTA

James Jerome Hill Reference Library: Saint Paul 2; 175,000 vols.; reference; RUSSELL F. BARNES.

Minnesota Historical Society Library: Saint Paul; 250,000 vols.; historical and genealogical; JAMES TAYLOR DUNN.

MISSOURI

State Historical Society of Missouri: Hitt and Lowry Streets, Columbia; f. 1898; 137,680 vols.; historical; 12,021 annual and life paying mems., 330 editorial mems.; Pres. E. L. DALE; Sec. RICHARD S. BRAWNLEE; publs. *The Missouri Historical Review* (quarterly).

NEW YORK

American Geographical Society Library: Broadway at 156th Street, New York 32, N.Y.; 150,000 vols. and 279,000 maps; Librarian NORDIS FELLAND.

American Museum of Natural History Library: Central Park West at 79th Street, New York 24; 175,000 vols.; natural history; Librarian GEORGE H. GOODWIN, Jr.

Association of the Bar of the City of New York Library: Manhattan; 310,000 vols.; law; ARTHUR A. CHARPENTIER.

Engineering Societies Library: 29 W. 39th Street, New York 18, N.Y.; f. 1913; 199,881 vols.; Dir. RALPH H. PHELPS.

Hispanic Society of America Library: Broadway, between 155th and 156th Streets, New York 32, N.Y.; f. 1904; 100,000 vols., including about 12,000 rare books and about 250 incunabula; art, history and literature of Spain, Portugal and colonial Hispanic America.

Jewish Theological Seminary of American Library: 3080 Broadway (122nd), New York 27, N.Y.; *c.* 200,000 vols. and *c.* 10,000 MSS.; Genizah, Archives, Louis Ginzberg Microfilm Library (foreign collections of Hebrew MSS.); incunabula; Bible, Rabbinics, Jewish History, Liturgy, Theology, Early Yiddish, Hebrew Literature, Science and Medicine; Haggadahs, Megillot (Esther scrolls), Ketuboth (marriage contracts); Librarian Dr. NAHUM M. SARNA.

Long Island Historical Society Library: 128 Pierrepont Street, corner of Clinton Street, Brooklyn 1; f. 1863; 110,000 vols.; historical and genealogical; Librarian EDNA HUNTINGTON.

Academy of Medicine of Brooklyn, Inc.: 1313 Bedford Avenue, Brooklyn 16; f. 1845; 206,000 vols.; medical; WESLEY DRAPER.

Mercantile Library Association: Manhattan; 250,000 vols.; general circulating library; Librarian AUDREY EVE.

New York Academy of Medicine Library: 2 E. 103rd Street, New York 29, N.Y.; 339,000 vols. and 200,000 unbound pamphlets; medical; Librarian Miss GERTRUDE L. ANNAN.

New York Historical Society Library, The: 170 Central Park West, New York 24, N.Y.; 500,000 vols.; historical; Dir. R. W. G. VAIL; Librarian JAMES J. HESLIN.

New York Law Institute Library: Manhattan; 167,873 vols.; Librarian LIONEL J. COEN.

New York Society Library: 53 East 79th Street, New York 21, N.Y.; f. 1754; 200,000 vols.; general, with special collections; free for reference; circulation, members only; Librarian SYLVIA C. HILTON; publs. *New Books*, *Annual Report.*

New York State Law Library: Education Building, Albany 1, N.Y.; f. 1818; 200,000 vols.; Librarian ERNEST H. BREUER.

New York State Legislative Library: Albany; 180,000 vols.; M. FRANCES MCNAMARA.

New York State Legislative Reference Library: Albany; 200,000 vols.; WILLIAM P. LEONARD.

Union Theological Seminary Library: Broadway and 120th Street, New York 27, N.Y.; 271,622 vols., 97,325 pamphlets, 754 microcards, 3,263 MSS; theology; ROBERT F. BEACH.

U.S. Military Academy Library: West Point, N.Y.; f. 1802; 148,358 vols.; military; Supt. Lieut.-Gen. B. M. BRYAN.

PENNSYLVANIA

Historical Society of Pennsylvania Library: 1300 Locust Street, Philadelphia 7; f. 1824; 500,000 vols., over 4,000,000 MSS.; historical; Dir. R. N. WILLIAMS, 2nd; publ. *Pennsylvania Magazine of History and Biography.*

WISCONSIN

State Historical Society of Wisconsin Library: 816 State Street, Madison 6; f. 1846; 300,000 vols. and 300,000 pamphlets; Dir. LESLIE H. FISCHEL, Jr.; Librarian BENTON H. WILCOX; publ. *Wisconsin Magazine of History* (quarterly).

SELECTED UNIVERSITY LIBRARIES

University of California Libraries: Berkeley 4, Calif.; f. 1868; consist of libraries at Berkeley (2,829,330 vols.), Los Angeles (1,866,651 vols.), San Francisco (261,412 vols.), Davis (279,901 vols.), Santa Barbara (232,633 vols.), San Diego (111,228 vols.), Riverside (205,384 vols.), Santa Cruz (21,210 vols.), Irvine (18,317 vols.), Mt. Hamilton (25,531 vols.), total vols. at all locations 5,851,597; Librarian: Berkeley, DONALD CONEY, M.A.; Los Angeles, ROBERT G. VOSPER, M.A.; San Francisco, JOHN B. DE C. M. SAUNDERS, M.B., CH.D.; Davis, J. RICHARD BLANCHARD, M.S.; Santa Barbara, DONALD C. DAVIDSON, PH.D.; San Diego, MELVIN J. VOIGT, M.A.; Riverside, EDWIN T. COMAN, Jr., M.A.; Mt. Hamilton, Mrs. CONSTANCE M. WATSON, B.A.; Santa Cruz, DONALD T. CLARK, M.B.A.; Irvine, JOHN E. SMITH, B.A.

University of Chicago Library: Chicago 37, Ill.; f. 1892; 2,210,000 vols., including the Harper Memorial Library of approx. 1,000,000 vols., and some 17 departmental libraries; special collections, among many others of importance for research, include Nicholas Bacon collection of English manor rolls and a collection of Lincolniana; Dir. HERMAN H. FUSSLER, PH.D.

University of Cincinnati Library: Cincinnati 21, Ohio; f. 1819; 798,000 vols.; comprises a general library, and twelve departmental libraries; includes special collections on classics, modern Greek, geology and chemistry; Librarian ARTHUR T. HAMLIN, A.B., B.L.S.

Columbia University Libraries: New York 27, N.Y.; f. 1754; approx. 3,100,000 vols.; there are 32 departmental and professional school libraries with important collections in architecture, business, law, medicine, engineering, the sciences, humanities and social sciences; Dir. RICHARD H. LOGSDON, PH.D.

Cornell University Library: Ithaca, N.Y.; f. 1865; 1,812,826 vols.; Librarian STEPHEN A. MCCARTHY.

Duke University Library: Durham, N.C.; f. 1838; 1,440,000 vols.; British history and literature of 17th to 19th centuries; general European history since 1870; French Revolution; Church history of Reformation; American and Latin American history; French, English, Italian and American literature; international law; seven special libraries; Librarian BENJAMIN POWELL.

Harvard University Library: Cambridge 38, Mass.; f. 1638; the oldest library in the U.S.A. and the largest university library in the world. The total of 6,848,635 vols.

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is divided among some 90 libraries and a "central collection" which is housed in the Widener, Houghton, and Lamont buildings; there are important collections in nearly every field of learning, and over 3,500 volumes printed before 1501; Dir. PAUL HERMAN BUCK, PH.D., LL.D., LITT.D., L.H.D.; The largest special libraries are: Houghton Library for rare books and manuscripts (179,155 vols.), Librarian WILLIAM A. JACKSON, A.B., A.M.; Law School Library (979,331 vols.), Librarian EARL C. BORGESON, B.S.L., LL.B., A.B. in L.; Library of the Faculty of Medicine and School of Public Health (340,446 vols.), Librarian RALPH T. ESTERQUEST, S.B., S.B. in L.S., A.M.; Baker Library for business administration (371,978 vols.), Librarian DONALD T. CLARK, A.B., S.B., M.B.A.; Chinese-Japanese Library (362,372 vols.), Librarian A. KAIMING CHIU, PH.D.; Littauer Center Library for public administration (325,370 vols.), Librarian RUTH H. GRANT, S.B.; Museum of Comparative Zoology Library (246,123 vols.), Librarian JESSIE B. MACKENZIE, A.B.; Andover-Harvard Theological Library (228,610 vols.), Librarian JAMES R. TANIS, A.B., B.D.

University of Illinois Library: Urbana, Ill.; f. 1867; 4,000,000 vols.; special collections on Italian history, music, architecture, and Milton; Chicago, Ill., Medical Sciences, 140,000 vols., Undergraduate Division, 150,000 vols.; Dir. ROBERT BINGHAM DOWNS, M.S., LITT.D., LL.D.

State University of Iowa Library: Iowa City, Iowa; f. 1847; 1,056,508 vols., 12 departmental libraries; special collections; Dir. of Libraries LESLIE W. DUNLAP, B.A., M.A., B.S.L.S., PH.D.

Johns Hopkins University Library: Baltimore 18, Md.; f. 1876; 1,118,438 vols. including 10 departmental libraries, the John Work Garrett Library, the library of the School of Advanced International Studies and the William H. Welch Medical Library (178,909 vols.); Librarian JOHN H. BERTHEL.

Joint University Libraries: Nashville 5, Tenn.; estab. 1936 by Vanderbilt University, the George Peabody College for Teachers, and Scarritt College for Christian Workers, all of Nashville; 881,685 vols.; Dir. DAVID KASER.

Kentucky University Libraries: Lexington, Kentucky; f. 1909; 950,000 volumes; twelve departmental and collegiate libraries; unrivalled collection of Kentuckiana, special collections in French and Spanish drama, on Ohio Valley, tobacco, taxation and public finance; comprehensive collection of works by and about William Harvey; Librarian LAWRENCE S. THOMPSON; publs. *Library Bulletin, Scripta Humanistica Kentuckiensia.*

Massachusetts Institute of Technology, Charles Hayden Memorial Library: Cambridge 39, Mass.; f. 1861; approx. 633,531 books and pamphlets in General and five Divisional Libraries; Dir. of Libraries WILLIAM N. LOCKE, PH.D.

University of Michigan Library: Ann Arbor, Mich.; 2,668,378 vols.; including the special collections in the William L. Clements Library of American History, the Law Library, Flint College Library, and 25 divisional libraries; Dir. FREDERICK H. WAGMAN, PH.D.

University of Minnesota Library: Minneapolis, Minn.; f. 1851; 1,937,495 vols.; general and twenty departmental libraries; Librarian EDWARD B. STANFORD, A.B., B.S. IN L.S., M.A., PH.D.

University of Missouri Library: Columbia, Mo.; f. 1839; 1,000,000 vols. in general and eight departmental libraries at Columbia, and 110,000 vols. in one library at Rolla; special collection of Missouriana; Librarian RALPH H. PARKER, PH.D.

University of Nebraska Libraries: Lincoln, Neb.; f. 1869; 690,000 vols., 500,000 governmental agency publs., approx. 1,000,000 pamphlets, etc., map depository; special collections: Anne of Brittany, French Revolution, Indians, J. S. Morton, World Wars I-II; K. S. Wherry; Great Plains anthropology, archæology, history and travel; Dir. FRANK A. LUNDY, A.B., M.A.

University of North Carolina Library: Chapel Hill, N.C.; f. 1795; 1,172,038 vols.; special collections on North Carolina, Southern Americana, on the Origin and Development of the Book, on American drama, Dickens, Shaw, Spanish drama, Federal and State documents, Latin American, and Southern historical MSS.; 8 departmental libraries in scientific and other fields; Librarian JERROLD ORNE, PH.D.

Northwestern University Libraries: Evanston and Chicago, Ill.; f. 1851; 1,481,175 vols.; Charles Deering Library (humanities and social sciences); seven branch libraries (astronomy; biology; chemistry, engineering, physics; geology; maps; mathematics; music) and one special library (transportation) in Evanston; one general and three special libraries (dentistry, law, medicine) in Chicago; Librarian JENS NYHOLM, M.A.

Ohio State University Library: Columbus 10, Ohio; f. 1873; 1,400,000 vols.; Dir. of Libraries LEWIS C. BRANSCOMB, PH.D., A.M.L.S.

University of Pennsylvania Library: Philadelphia 4, Pa.; f. 1750; 1,745,000 vols.; central library and 24 departmental and affiliated libraries; Archaeology, Leibniz, Descartes, History of Philosophy and Science, Baltic Language and Literature (especially Saulys Collection of Lithuanian materials), Edgar Fahs Smith History of Chemistry, French Revolution, Aristotelianism, Occam, Medieval History, Inquisition (Henry C. Lea Library), English and European Bibles, Italian Renaissance Literature (Macauley Collection), Spanish Literature of the Golden Age (Rennert and Crawford Collections), Spanish Linguistics (Gillet Collection), Shakespeareana (Furness Library), Restoration Drama, 18th and early 19th century English fiction, Jonathan Swift, Thomas Paine, American drama, fiction, and poetry: Walt Whitman, Washington Irving, Robert Montgomery Bird, Theodore Dreiser, James Farrell; Middle-High German (Bechstein and part of Ehrismann Collection), Old French, Friesian, Indic MSS., South Asia, History of Economics (especially 18th and early 19th century), History of Education, Cryptography, Spiritualism, Programmschriften, Elzevir Imprints, Franklin Imprints, Penney Music Collection; Dir. KENNETH M. SETTON. M.A., PH.D.

Princeton University Library: Princeton, N.J.; f. 1746; about 1,800,000 vols.; special collections include Robert Garrett collection of Arabic and Medieval MSS., the Gest Oriental Library (135,000 vols.), the William Seymour theatre collection, the Rollins collection of Western Americana, the archives of Eugène de Beauharnais, Morris L. Parrish collection of Victorian novelists, Cyrus H. McCormick and Grenville Kane collections of Early Americana, John Foster Dulles Library of Diplomatic History, etc.; Pres. ROBERT F. GOHEEN; Sec. ALEXANDER LEITCH; Librarian WILLIAM Latin American, and Southern historical MSS.; 8 S. DIX, PH.D.; publ. *Chronicle.*

Stanford University Library: Stanford, Calif.; f. 1885; 1,215,094 vols., excluding the Hoover Institution; 27 departmental and school libraries of which the major ones are: Lane Medical Library (Palo, Alto Calif.) (234,131 vols.), Engineering Library (53,857 vols.), Law Library (118,351 vols.), Education Library (50,790 vols.), Branner Geological Library (27,558

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vols.), Business Library (73,445 vols.), Food Research Institute Library (42,558 vols.); special collections: Transportation, Sir Isaac Newton, Typography, Music, English and American Literature; Dir. of Libraries (Vacant).

University of Texas Library: Austin, Tex.; f. 1883; 1,321,180 vols.; Medical Library at Galveston 79,000 vols., Medical Library at Dallas 45,000 vols., Texas Western 100,000 vols.; special collections on English literature, Latin American history; Bieber collection of poetry, Spanish archives; Librarians ALEXANDER MOFFIT, B.A., M.S. IN L.S., ELIZABETH D. RUNGE, B.A. (Galveston), VIOLET BAIRD, M.A., B.S. IN L.S. (Dallas), BAXTER POLK (El Paso), EVA BOWDEN (Houston).

Tulane University of Louisiana Libraries: New Orleans 18, La.; f. 1834; over 825,000 vols. (in four libraries); special collections on Latin America; Dir. of Libraries R. LOUIS TALMADGE, M.S. IN L.S.

University of Virginia Library: Charlottesville, Va.; f. 1819; 1,370,000 vols.; special collection on American History, including McGregor Library of American History and the Barrett Library of American Literature, Optics, Evolution, Thomas Jefferson, Edgar Allan Poe, Walt Whitman, Greek and Latin literature, Nuclear Energy, Music, International Law, History of Printing, Gothic novels, interalia; Librarian JOHN C. WYLLIE.

University of Washington Libraries: Seattle, Wash.; f. 1861; 1,267,031 vols.; 16,191 periodicals; 18 branch libraries including Law and Health Sciences, and the Northwest Collection of Americana; Dir. MARION A. MILCZEWSKI.

University of Wisconsin Library: Madison 6, Wis.; f. 1848; 1,384,222 vols.; special collections on pharmacy, Scandinavian literature, Gaelic literature and history, and modern Polish literature, history of sicnece, History of Calvinism, socialistic and labour movements; campus houses State Historical Society Library containing 300,000 bound books and 300,000 bound pamphlets; Dir. LOUIS KAPLIN, PH.D.

Yale University Library: New Haven, Conn.; f. 1701; 4,309,882 vols.; each of the 10 Undergraduate Colleges has its own library; the following list gives the principal departmental libraries, with the total of volumes:

American Oriental Society	18,386
Bureau of Highway Traffic	12,651
Divinity School	213,146
Economic Geology	45,000
Engineering School	8,735
Art Library	18,306
Forestry School	88,961
Geology Department	12,950
Law School	407,700
Medical School, General	331,152
Music School	47,880
Peabody Museum (Geology, etc.)	85,311

Librarian JAMES TINKHAM BABB, M.A.; publ. *Gazette*.

SELECTED PUBLIC LIBRARIES

(with a total number of volumes over 500,000)

CALIFORNIA

Los Angeles Public Library: 630 West 5th Street, Los Angeles 17; f. 1872; 2,977,034 vols.; Librarian HAROLD L. HAMILL.

San Francisco Public Library: Civic Centre, San Francisco 2; 850,000 vols.; Acting Librarian FRANK A. CLARVOE, Jr.

DISTRICT OF COLUMBIA

Public Library of the District of Columbia: Washington, D.C.; 20001; f. 1896; 1,402,509 vols.; Librarian HARRY N. PETERSON.

ILLINOIS

Chicago Public Library: Chicago; f. 1872; 2,521,106 vols.; Librarian GERTRUDE E. GSCHEIDLE.

MASSACHUSETTS

Boston Public Library: Copley Square, Boston 17; f. 1852; believed to be the oldest free municipal library supported by taxation in any city of the world; 2,162,176 vols.; Dir. MILTON EDWARD LORD.

Massachusetts State Library: Boston; 850,000 vols.; Librarian I. ALBERT MATKOV.

MICHIGAN

Detroit Public Library: 5201 Woodward Avenue, Detroit; 2; f. 1865; 1,865,165 vols., 100,530 maps, 19,670 microfilms, 1,440 films; Dir. RALPH A. ULVELING.

MINNESOTA

Minneapolis Public Library: 300 Nicollet Avenue, Minneapolis 1; f. 1885; nearly one million vols.; Librarian RAYMOND E. WILLIAMS.

MISSOURI

Kansas City Public Library: Kansas City, Missouri; 900,000 vols.; Librarian RICHARD B. SEALOCK.

Saint Louis (City) Public Library: Saint Louis 3; 1,066,339 vols.; Librarian LOUIS M. NOURSE.

NEW JERSEY

Newark Public Library: Newark, P.O. Box 630; f. 1888; 851,600 catalogued vols., 90,000 uncatalogued; and 1,110,000 prints and pictures. Collections: Art, Music, Science, Technology, Business, New Jersey History, Fine Printing; Dir. JAMES E. BRYAN.

NEW YORK

Brooklyn Public Library: Grand Army Plaza, Brooklyn 38, N.Y.; f. 1897, consolidated with the Brooklyn Library 1902; special collections on Costumes, American Civil War, Chess and Checkers (draughts); 2,371,000 vols., 38,000 music records; boroughwide library system of 55 agencies; Pres. CHARLES J. MYLOD; Chief Librarian FRANCIS R. ST. JOHN.

Buffalo and Erie County Public Library: Buffalo; f. 1954 as an amalgamation of three libraries; 1,922,776 vols.; Dir. JOSEPH B. ROUNDS.

New York Public Library: 5th Avenue and 42nd Street, New York 18; f. 1895 by the amalgamation of three private libraries; with a total of 3,197,009 vols. (not including manuscripts, maps, microfilms, phonorecords, prints and sheet music); it is one of the six largest libraries in the world; permanent exhibitions of U.S. postage stamps and history of printing; special collections include Berg collection of English and American literature, Arents collection of books on tobacco, and the Spencer collection of illustrated books and books in fine bindings; Dir. EDWARD G. FREEHAFER.

New York State Library: Albany 1; f. 1818; 3,000,000 vols., pamphlets, manuscripts; collections include American and especially New York State history, newspapers, periodicals, Government publications, law, medicine, science and technology, genealogy, archives of New York State, Library for the Blind; Librarian CHARLES F. GOSNELL; Dir. of Library Extension IRVING A. VERSCHOOR.

Queens Borough Public Library: Jamaica 32, Queens Borough; f. 1896; 1,708,169 vols.; Librarian HAROLD W. TUCKER.

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OHIO

Cleveland Public Library: 325 Superior Avenue, Cleveland 14; f. 1869; over 3,000,000 vols.; 35 neighbourhood branches, 40 deposit stations, 94 hospital and institution libraries, 34 school libraries, 1,798 classroom collections; travelling book service; the John G. White endowed collection of Folklore and Orientalia, including Chess and Checkers; large circulating collection of 16 mm. films; service to the homebound and the blind; Dir. RAYMOND C. LINDQUIST.

Public Library of Cincinnati and Hamilton County: Eighth and Vine Streets 2, Cincinnati; 1,980,000 vols.; Librarian ERNEST I. MILLER.

OREGON

Library Association of Portland (Multnomah County Library): 801 S.W. 10th Avenue, Portland 5; f. 1864; 872,965 vols.; Librarian WILLIAM B. WOOD.

PENNSYLVANIA

Free Library of Philadelphia: Logan Sq., Philadelphia 3, Pa.; 42 brs. throughout the city, f. 1891; 2,000,000 vols.; special collections include: Fleisher orchestral music; Carson history of the common law; Widener incunabula and Drinker Choral Library; Lewis Illuminated MSS., European and Oriental; McKean history of the automobile; Elkins Americana, Dickens, Goldsmith; Lewis cuneiform tablets; Rosenbach early American children's books; Dir. EMERSON GREENAWAY.

Carnegie Library of Pittsburgh: 4400 Forbes Avenue, Pittsburgh 13, Pa.; f. 1895; 1,400,912 vols., about 53,000 of which are in foreign languages; 16 branch libraries, all with their own collections, and 1 mobile library; Dir. RALPH MUNN.

WASHINGTON

Seattle Public Library: 4th and Madison, Seattle 98104; 1,156,006 vols.; special collections: Aeronautics, Pacific Northwest Americana; 15 branch libraries; Librarian WILLARD O. YOUNGS.

WISCONSIN

Milwaukee Public Library: 814 W. Wisconsin Avenue, Milwaukee 63233; 1,589,181 vols.; special collections include Herman G. Runge marine lore and railroads, depository for U.S. Federal Documents, U.S. Geologic Survey, U.S. Atomic Energy Commission, U.S. Army Map Service, Charles Allis Art Library, Municipal Reference Library; 13 branch libraries, 3 mobile libraries; Librarian RICHARD E. KRUG.

LIBRARY ASSOCIATIONS

American Association of Law Libraries: f. 1906; 650 mems.; Pres. HARRY BETNER; Exec. Sec. Mrs. GOLDIE ALPERIN, Chicago Bar Library, Chicago, Ill.; publs. *Law Library Journal* (quarterly), *Index to Legal Periodicals* (monthly).

American Documentation Institute: c/o Library of Congress, Washington, D.C.; f. 1937; 300 mems.; Pres. KARL F. HEUMANN, National Academy of Sciences, Washington 25, D.C.; publ. *American Documentation* (quarterly).

American Library Association: 50 E. Huron Street, Chicago 11, Ill.; f. 1876; 25,000 mems.; library of *c.* 5,000 vols.; Exec. Sec. DAVID H. CLIFT; publs. *A.L.A. Bulletin* (monthly), *A.L.A. Washington Newsletter* (periodically), *College and Research Libraries* (bi-monthly), *AHIL Quarterly, Book List and Subscription Books Bulletin* (semi-monthly), *Library Resources and Technical Services, School Libraries* (quarterly), *Top of the News* and over 200 other publications.

American Association of State Libraries: a Division of the American Library Association, *q.v.*

American Merchant Marine Library Association: 45 Broadway, New York 6, N.Y.; f. 1921; 21,848 seamen mems.; Exec. Sec. WILLIAM P. BOLLMAN, 3RD; publs. *Sea Letter* (Easter and Christmas), *Annual Report, Let's Look at the Record.*

American Theological Library Association: f. 1947; Exec. Sec. FREDERICK CHENERY, 606 Rathervue Place, Austin 5, Texas.

Association of American Library Schools: f. 1915; 34 institutional mems., 200 personal mems.; Sec.-Treas. WESLEY SIMONTON, University of Minnesota Library School, Minneapolis 14, Minn.; publ. *Journal of Education for Librarianship.*

Association of Research Libraries: c/o Cornell University Library, Ithaca, New York; f. 1932; 49 institutional members.

California School Library Association: State Sec. Mrs. RUTH LOCKWOOD, College of the Maria, Kentfield, Calif.

Catholic Library Association: f. 1921; 2,871 mems.; Exec. Sec. ALPHONSE F. TREZZA, Villanova University, Villanova, Pa.; publs. *Catholic Library World* (monthly, Oct.-May), *Catholic Periodical Index* (quarterly), *Catholic Book List* (annually), *The Best in Catholic Reading* (annually), *Proceedings, Annual Conference* (annually), *Handbook and Membership Directory* (annually), *Guide to Catholic Literature* (annually), *Parish Library Manual.*

Council of National Library Associations: Headquarters: c/o Sec.-Treas. BILL M. WOODS, Special Libraries Association, 31 East 10th Street, New York 3; Chair. ROBERT KINGERY, Preparations Division Chief, New York Public Library, 42nd Street and 5th Avenue, New York, N.Y.

Inter-American Bibliographical and Library Association: Room 450, University of Florida, Gainesville, Fla.; f. 1930; 250 members; Pres. A. CURTIS WILGUS; publ. *Doors to Latin America* (quarterly).

Medical Library Association: f. 1898; 1,750 mems.; Exec. Sec. Mrs. HELEN SCHMIDT, 919 North Michigan Avenue, Chicago 11, Ill.; Editor Dr. ALFRED N. BRANDON; publ. *Bulletin of the Medical Library Association.*

Music Library Association: c/o The Library of Congress, Music Division, Washington 25, D.C.; f. 1931; 850 mems.; publs. *Notes* (quarterly), *Supplement* (quarterly), and books and pamphlets).

Special Libraries Association: f. 1909; 5,300 mems.; Exec. Offices: 31 E. 10th Street, New York 3, N.Y.; Exec. Sec. MARIAN E. LUCIUS; publs. include *Special Libraries* (monthly, Sept.-April; bi-monthly, May-Aug.), *Technical Book Review Index* (ten times yearly, Sept.-June), *Translation Monthly.*

Theatre Library Association: f. 1937; 200 mems.; Pres. GEORGE FREEDLEY, Theatre Collection, New York Public Library, 476 Fifth Avenue, New York 18, N.Y.; Sec. SAM PEARCE, Theatre and Music Collection, Museum of the City of New York, 1220 Fifth Avenue, New York, 29, N.Y.; publs. *Broadside* (irregularly).

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MUSEUMS AND ART GALLERIES

MUSEUMS. *The following list includes most of the best known and special museums in the United States, but it is by no means a complete list.*

"The Museum in America", published by the American Association of Museums, should be consulted for more detailed information.

American Association of Museums: 2306 Massachusetts Avenue, N.W., Washington, D.C.; f. 1906; membership consists of over 2,000 individuals and 800 institutions; the Association is governed by a board of 30 councillors, who are museum trustees or directors; publs. *Museum News* (f. 1924; once a month, except July and August), series of technical papers, and the following important volumes on museums: *Museum Directory of the United States and Canada, Museum Buildings:* Vol. I, *A Planning Study* (1950), *The Museum in America* (3 vols., 1939), *Historic House Museums* (1933), *College and University Museums* (1942), *Museum Registration Methods* (1958), *Index to Special Articles* (1953), *So You Want a Good Museum* (1957), *Museum Security* (1958); Pres. CHARLES VAN RAVENSWAAY; Dir. JOSEPH A. PATTERSON.

Academy of Natural Sciences of Philadelphia, The: 19th and the Parkway, Philadelphia 3, Pennsylvania; f. 1812; 2,500 mems.; oldest centre for natural science research in the western hemisphere; active research conducted in eight departments; natural history museum; collections from all parts of the world, heavy in type specimens and historical materia; 140,000-volume research library; publs. *Proceedings* (since 1841); *Notulae Naturae, Frontiers*; Pres. GEORGE R. CLARK; Dir. H. R. ROBERTS, PH.D.; Man. Dir. K. W. PRESCOTT, PH.D.

Adams National Historic Site: 135 Adams Street, Quincy Mass.; donated to the U.S. in September 1946 by the Adams Memorial Society; designated a national historic site under the administration of the National Park Service of the Department of the Interior; built in 1731 by Major Leonard Vassall of Boston; bought by John Adams in 1787 (he was Vice-President to George Washington, and became the second U.S. President 1797 to 1801). At the end of his term he lived in the house until his death in 1826. The house then passed to his son, John Quincy Adams, in the middle of his term as sixth President. After his death in 1848 the house passed to his son, Charles Francis Adams, Minister to England during the Civil War. The Adams family continued to live there until the death in 1927 of Brooke Adams, the fourth son of Charles Francis Adams. The house, contents, and garden are as the Adams family left them. The separate stone library, standing in the garden, was built in 1870 by Charles Francis Adams. It contains an estimated 14,000 volumes, comprising most of the libraries of John Adams, John Quincy Adams, and Charles Francis Adams.

Adler Planetarium and Astronomical Museum: 900 East Achsah Bond Drive, Chicago 5, Illinois; f. 1930 by Max Adler; the circular planetarium chamber seats 485 persons with a hemispherical dome of 68 feet wide; the Astronomical Museum contains a comprehensive collection of astronomical instruments, mostly ranging from the 15th century; exhibits in astronomy and related sciences; library of about 5,000 vols.; lecture hall seating 160 persons; classrooms; metrology and photographic laboratories; optical shop; art, wood, and metal shops; eight-inch coelostat and projection spectrograph; and observation deck with several telescopes including a 16-inch diameter Cassegrain-Newtonian reflector. Programme includes classes in astronomy, navigation, rocketry and telescope making; graded school programme; public observation sessions, demonstrations, lectures and films and sponsorship of amateur astronomical societies. Pres. of Chicago Park District JAMES O. GATELY; Dir. ROBERT I. JOHNSON.

Alabama Museum of Natural History: P.O. Drawer O, University, Alabama; f. 1848; library of 40,000 vols.; Chair. ED. LEIGH MCMILLAN; Dir. Dr. WALTER B. JONES; publs. *Museum Papers, Annual Report.*

Alaska Historical Library and Museum: Box 2051, Juneau, Alaska; opened to the public 1920; Eskimo exhibit collected by Dr. Daniel S. Neuman and North-west Coast Culture exhibit (Tlingit and Haida) largely collected by Lieut. George T. Emmons; the library, the most complete library of Alaskana in existence, contains some 16,500 volumes, and includes 3,000 volumes of Alaska newspapers from the first issues; ethnological collections, mineral, bird and art exhibits, and historical displays reminiscent of Russian tenure and "gold rush" days; the Alaska Herbarium is also maintained in connection with the museum; Curator-Dir. E. L. KEITHAHN; publs. *Native Alaskan Art, Biennial Report.*

American Museum-Hayden Planetarium: 81st Street and Central Park West, New York 24, N.Y.; f. 1935; the Hayden Planetarium is a theatre of the sky; by rays of light from Zeiss projector on a 75-foot dome, about 9,000 stars are shown in the Planetarium heavens; seven times in the year a new sky-show is presented dealing dramatically and scientifically with the various aspects of the heavens; Chair. and Astronomer JOSEPH M. CHAMBERLAIN; Astronomer THOMAS D. NICHOLSON.

American Museum of Atomic Energy: P.O. Box 117, Oak Ridge, Tenn.; a division of the Oak Ridge Institute of Nuclear Studies, Inc.

American Museum of Natural History: Central Park West at 79th Street, New York City; inc. 1869; anthropology, mammals, birds, amphibians and reptiles, fishes and aquatic biology, insects and spiders, animal behaviour, conservation and general ecology, geology and palæontology, micropalæontology, astronomy. Pres. Board of Trustees ALEXANDER M. WHITE; Dir; JAMES A. OLIVER, PH.D.; Sec. and Controller WALTER F. MEISTER; Librarian GEORGE H. GOODWIN, Jr., (175,000 vols.); publs. *Natural History Magazine* (Managing Editor ROBERT EDGAR WILLIAMSON), *Scientific Publications* (Editor RUTH TYLER, M.A.); Curator/Editor-in-Chief EDWIN H. COLBERT, PH.D.

Arizona State Museum: Univ. of Arizona, Tucson, Arizona; f. 1893; devoted to the study of south-western archæology and the living Indians of the region, and the natural history of the State; engaged in archæological and ethnological research, excavation and field work in Arizona; Dir. EMIL W. HAURY, PH.D.

Art Institute of Chicago: Michigan Avenue at Adams Street, Chicago 3, Ill.; f. 1879; 23,882 mems.; early Italian to 20th century European painting; medieval

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and Renaissance art; prints and drawings; sculpture; Oriental arts (of 5,000 years); primitive art; professional school of art and drama; Ryerson Library (f. 1901, 51,592 vols. on art); Burnham Library (f. 1912, 12,070 vols. on the history of architecture); Slide Dept.: 46,770 slides, 18,420 colour prints, 64,828 photographs; Pres. WILLIAM MCCORMICK BLAIR; Sec. LLOYD W. BROWN; Dean of the School HUBERT ROPP; publs. *Quarterly, Annual Report*, exhibition catalogues.

Baltimore Museum of Art: Museum Drive, Baltimore 18, Md.; f. 1914; collections include 2nd-6th century Antioch Mosaics, paintings by Old Masters, 18th-20th century American paintings, Cone collection of 19th and 20th century French paintings, drawings and sculptures, May collection of 20th century European paintings and sculptures, 100,000 prints from 15th century to modern times, Gallagher Memorial Collection of contemporary American paintings, Wurtzburger collection of primitive art; 4,200 mems.; Pres. JOHN W. AVIRETT II; Dir. CHARLES P. PARKHURST; publs. regular publications.

Barnes Foundation Collection: Merion, Penn.; private collection of Dr. Albert C. Barnes, since 1961 open to public on two days a week; collection of 1,000 paintings, including works by El Greco, Titian, Goya, Rubens, Renoir, Cézanne, Picasso, Matisse and Van Gogh.

Boston Museum of Fine Arts: Boston 15, Massachusetts; a private corporation; incorp. 1870; departments of Asiatic Art with outstanding collection of Chinese and Japanese sculpture, painting, and ceramics, Indian and Mohammedan art; Egyptian Art with important collection of Old Kingdom; Classical Art with Greek and Roman sculpture, coins, and seals; American and European Decorative Arts with American furniture, silver, Medieval and Renaissance European sculpture, English and American silver; paintings of Europe and America, stressing French Impressionist, American Colonial and 19th century works; large department of Prints and Drawings; department of Textiles with Coptic, 17th-19th century European and American textiles, costumes, and tapestries; Dir. PERRY T. RATHBONE; Sec. DAVID B. LITTLE; publs. *Calendar of Events* (monthly), *Bulletin* (quarterly), catalogues, handbooks.

Brooklyn Institute of Arts and Sciences: 200 Eastern Parkway, Brooklyn 38, New York; org. 1823; Pres. FRANCIS T. CHRISTY; comprises the following four institutions:

Brooklyn Museum: Eastern Parkway, Brooklyn 38, New York; estab. 1889; aboriginal American art; Peruvian textiles; pre-Columbian gold; Costa Rican sculpture; collections from Africa, Indo China, Melanesia and Polynesia; collections from China, Japan, India and Persia; Colonial South American art; American period rooms; American and European paintings; Ancient art of the Near East, Egypt, Greece and Rome; American and European costumes; American glass, pewter and silver; Renaissance and medieval art; art reference library and Egyptological library (50,000 books and periodicals); industrial design laboratory and work rooms; art school; Dir. THOMAS S. BUECHNER; publs. *Brooklyn Museum Annual Report*, bulletins and monographs.

Brooklyn Children's Museum: Brooklyn Avenue and Park Place, Brooklyn 13, New York; f. 1899; natural history, science and cultural collections; Dir. HELEN VOUGHT FISHER.

Brooklyn Botanic Garden and Arboretum: 1000 Washington Avenue, Brooklyn 25, New York; f. 1911; library of 53,700 vols., approx. 8,000 species and varieties; Dir. GEORGE S. AVERY, Jr.; publ. *Plants and Gardens* (quarterly).

Brooklyn Academy of Music: 30 Lafayette Avenue, Brooklyn 17, New York; Dir. W. MCKELVY MARTIN; publs. *Brochure, Monthly Guide*.

Buffalo Fine Arts Academy (*incorporating Albright-Knox Art Gallery* (*dedicated 1905*)): 1285 Elmwood Avenue, Buffalo 22, New York; f. 1862; collection of 19th and 20th century paintings, with emphasis on American and European contemporary artists; sculpture 3,000 B.C. to present; prints; Pres. SEYMOUR H. KNOX; Treas. LARS S. POTTER; Sec. SAMUEL D. MAGAVERN; Dir. (Art Gallery) GORDON M. SMITH; Curator of Education (Art Gallery) CHARLOTTE BUEL JOHNSON.

Buffalo Museum of Science (*administered by Buffalo Society of Natural Sciences*): Humboldt Park, Buffalo 11, N.Y.; building opened 1929; seventeen exhibit halls tell the story of science in natural sequence and full colour; physics, chemistry, astronomy, primitive art, loan collections, libraries, lectures, motion pictures, musical programmes, day and evening classes, living museum, etc.; publ. *Science on the March*, Editor Mrs. MARGARET REID; Pres. GEORGE F. GOODYEAR; Pres. Emer. CHAUNCEY J. HAMLIN; Curator of Education DAVID M. BIGELOW; Sec. HAZARD K. CAMPBELL.

Buhl Planetarium and Institute of Popular Science: Federal and West Ohio Streets, Pittsburgh 12, Pennsylvania; opened 1939; five galleries are devoted to exhibits in natural sciences; in the observatory a ten-inch siderostat telescope is available to the public; adult classes in astronomy, photography, geography, physics, chemistry, geology, etc.; the auditorium, seating 500 spectators, is equipped with a Zeiss planetarium projector for presentations of astronomical science; a lecture hall, seating 240 persons, is equipped for laboratory demonstrations, science films, and the use of micro-projector, epidiascope, and similar visual teaching devices; educational programme in science extends from elementary to collegiate and adult level; 10-lesson vacation courses on space-age science for children, 500 enrolments annually; Exec. Dir. C. V. STARRETT.

California Academy of Sciences: Golden Gate Park, San Francisco 18; inc. 1853 for the advancement of natural sciences through public education and research; maintains a public museum of natural history, the Steinhart Aquarium, the Simson African Hall, the Morrison Planetarium (Man. GEORGE W. BUNTON), a scientific library, and research departments with large scientific collections; Departments: Aquatic Biology (Curator EARL S. HERALD), Botany (Curator JOHN T. HOWELL), Entomology (Curator EDWARD S. ROSS), Exhibits (Preparator M. F. CARSON), Herpetology (Asst. Curator A. LEVITON), Ichthyology (Curator W. I. FOLLETT), Library (Librarian VERONICA J. SEXTON), Ornithology and Mammalogy (Curator ROBERT T. ORR), Geology (Curator G. DALLAS HANNA); Admin. Dir. ROBERT C. MILLER; Pres. STARKER LEOPOLD; publs. *Proceedings, News Letter* (monthly), *Pacific Discovery* (bi-monthly), *Annual Reports, Occasional Papers*.

California Palace of the Legion of Honor: Lincoln Park, San Francisco 21; presented to the City of San Francisco by Mr. and Mrs. Adolph B. Spreckels in 1924; museum of fine arts; paintings of the Italian, French, Spanish, English and American schools; tapestries, furniture and decorative arts; marbles and bronzes by Rodin; Egyptian and classical collection; houses the Achenbach Foundation for Graphic Arts; Librarian W. H. ELSNER; Dir. THOMAS CARR HOWE.

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Chicago Academy of Sciences: 2001 N. Clark Street, Chicago 14, Illinois, in Lincoln Park; f. 1857; exhibits on the natural history of the Chicago region; study collections of many areas in North America; teaching exhibits and synoptic arrangements of birds, minerals, fossils, insects, etc.; a technical scientific library; publs. *Bulletin of the Chicago Academy of Sciences*, etc.; Pres. LESLIE B. AREY, PH.D.; Sec. FRED W. PRESTON, M.D., PH.D.; Dir. W. J. BEECHER, PH.D.

Chicago Natural History Museum: Roosevelt Road and Lake Shore Drive, Chicago 5, Illinois; f. by Marshall Field in 1893; departments: anthropology, botany, geology, zoology (birds, fishes, insects, mammals, reptiles); library: 150,000 books and pamphlets, large collection of books on China, including several thousand in Chinese; Ornithological Section includes many rare and beautifully illustrated volumes; 7,658 mems., including 3,171 associate mems. and 3,948 annual mems.; publs. *Chicago Natural History Museum Bulletin*, monthly (formerly *Field Museum News*); *General Guide*, *Fieldiana* (technical publications in anthropology, botany, geology, and zoology), popular series in same filed, design series, etc.; Pres. CLIFFORD C. GREGG; Sec. and Dir. E. LELAND WEBBER; Treas. and Asst. Sec. SOLOMON A. SMITH; Librarian META P. HOWELL.

Cincinnati Art Museum: Eden Park, Cincinnati 6, Ohio; inc. 1881; permanent collections include: Paintings—Europe (14th-20th century); China (13th-17th century); America (18th-20th century); collections of Mary M. Emery, John J. Emery, Mary Hanna, Emilie Heine and Eva Belle and Harry S. Leyman; Sculpture—Nabataean antiquities from Khirbet Tannur; Egyptian, including Millard F. and Edna F. Shelt collections; Greek, Roman, Medieval, Renaissance, Near and Far Eastern and Modern sculpture; Prints and Drawings—Europe (15th-20th century); America (17th-20th century); collections of Herbert Greer French, Mary Hanna, Allyn C. Poole, Ross W. Sloniker and Albert P. Striet-mann (colour lithographs); Miniatures—India (16th-17th century); Persia (11th-17th century); Primitive Cultures—Artifacts (17th-19th century) from N. and S. America and Africa. Decorative Arts—European arms and armour, Chinese bronzes and pottery (ancient-13th century); Near-Eastern pottery, silver, textiles, bronzes and gold; European and American period rooms, ceramics, silver, glass, lace, tapestries, and costumes; the Arthur Joseph collection of Meissen porcelain is on permanent loan; the W. T. H. Howe collection of early American glass; the William H. Doane collection of musical instruments; Dir. PHILIP R. ADAMS; publ. *Bulletin* (quarterly).

City Art Museum: St. Louis, Mo.; f. 1907; municipally owned and supported collection of about 16,013 art objects, Oriental and Western, many of international renown; 3,254 members; library of over 14,600 vols.; publs. *Bulletin* (quarterly), *Annual Report*, *Poster of Events* (monthly); Pres. HENRY B. PFLAGER; Dir. CHARLES NAGEL.

Cleveland Health Museum: 8911 Euclid Avenue, Cleveland 6, Ohio; incorporated 1936, opened 1940; founded by doctors, dentists, etc.; lectures, exhibits, models, films, covering all aspects of health; permanent exhibits; loan collections; outstanding collection of 100 models on human reproduction; the "Transparent Woman"; Department of Education working with schools in Greater Cleveland, publ. *C. H. M. Newsletter* (quarterly), Pres. ALBERT A. HUTTON; Chair. ROBERT M. STECHER, M.D.; Sec. ROBERT E. BINGHAM; Treas. JOSEPH A. MCEWEN; Dir. BRUNO GEBHARD, M.D.

Cleveland Museum of Art: 11150 East Boulevard, Cleveland 6, Ohio; inc. 1913, opened 1916; collections include Old Masters and modern paintings, classical Oriental medieval and Egyptian art, and arms and armour, etc.; 8,100 mems.; library of 40,000 vols.; publ. *Bulletin* (10 per year); Pres. HAROLD T. CLARK; Dir. SHERMAN E. LEE.

Cleveland Museum of Natural History: 10600 East Boulevard, Cleveland, Ohio; f. 1920; comprises Natural Science Museum, Mueller Planetarium and Observatory, Cleveland Aquarium, Kelley's Island and Fern Lake Reservations; scientific collections in all fields, with particular emphasis on the northern half of Ohio, including one of the world's most important collections of Upper Devonian Fossil Fishes; also insects, shells, minerals, precious and semi-precious stones, and botanical and ethnological materials; the Museum has sponsored or participated in several expeditions to Africa, islands of the South Atlantic, vicinity of the North Pole, the Azuero Peninsula of Panama, and various parts of North America; many study collections, including Elizabeth Lucas collection of floral reproductions, the Hamann skeletal collection; mounted Jurassic cetiosaurid, Haplocanthosaurus; library of 3,600 vols., 26,000 serial publs.; Chair. of Board HAROLD T. CLARK; Dir. WILLIAM E. SCHEELE.

Cooper Union Museum: Cooper Square, New York 3, N.Y.; Cooper Union f. 1859, Museum 1895; 90,000 items, including collections of original drawings and designs for architecture and the decorative arts; 15th to 20th-century prints; textiles, lace, woodwork and furniture, ceramics, etc.; drawings and paintings by 19th-century American artists; library of 14,000 vols.; Picture Reference Library of 700,000 illustrations; a programme of special exhibitions; Chair. of Trustees ARTHUR A. HOUGHTON, Jr.; Pres. RICHARD F. HUMPHREYS; Dir. of Museum CALVIN S. HATHAWAY; Librarian GERD MUEHSAM; publ. *Chronicle*.

Currier Gallery of Art: 192 Orange Street, Manchester, New Hampshire; f. 1915 by Mr. and Mrs. Moody Currier; galleries devoted to oils, water colours, prints and etchings, decorative arts and sculpture; permanent collection contains works by Copley, G. B. Tiepolo, Stuart, Trumbull, Homer, Raeburn, Monet, Tintoretto, Constable, Corot, Ruysdael, Mabuse, van Cleve, Perugino, Picasso and contemporary American painters; library of 3,000 vols.; frequent loan exhibitions, lectures, chamber music, films; Dir. CHARLES EDWARD BUCKLEY; publ. *Bulletin* (9 times a year).

Denver Art Museum: f. 1893 as Artists' Club of Denver, became Denver Art Museum in 1925; 5 branch museums; Main Building, Schleier Memorial Gallery, West 14th Avenue, Acoma Street—changing temporary exhibitions and administration; South Wing—European, American and Spanish-American collections; Oriental Galleries, West 14th Avenue—major cultures of Asia and the Indonesian countries; Children's Museum and Museum Art School, 1370 Banrock Street—exhibitions and school for children and adults; Chappell House, 1300 Logan Street—American Indian, South Seas and African; 1,150 mems.; Pres. Board of Trustees Dr. KARL ARNDT; Sec. PETER DOMINICK; Dir. Dr. OTTO KARL BACH; publ. *Quarterly*.

Denver Museum of Natural History: Denver 6, Colorado; f. by Edwin Carter and incorporated 1900; departments: archæology, birds, geology, mammals, palæontology, spiders; 3,000 members; Pres. HUDSON FERGUSON, Jr.; Sec. RICHARD M. DAVIS; Treas. JOHN A. MOORE; Dir. ALFRED M. BAILEY; publs. *Annual Reports*, *Popular Series*, *Museum Pictorial*.

Detroit Institute of Arts: 5200 Woodward Avenue, Detroit, Mich.; f. 1885 as Detroit Museum of Art; aim is to

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illustrate whole range of what the arts mean in human life; rich collection of American, Dutch, Flemish and Italian painting; library of 19,500 vols.; Dir. WILLIS F. WOODS; Sec. WILLIAM A. BOSTICK; Chief Curator PAUL L. GRIGAUT; Librarian Miss CAROL M. SELBY; publs. *Calendar of Events* (bi-monthly), *Bulletin* (quarterly), *The Art Quarterly*; this Museum is supported by The City of Detroit and the Detroit Museum of Art Founders Society.

Fels Planetarium: Philadelphia 3, Pa.; donated to the Franklin Institute in Philadelphia in 1933 by Samuel S. Fels; the planetarium can show the skies in past, present, or future for extended periods; Dir. Dr. I. M. LEVITT.

Fine Arts Society of San Diego: Fine Arts Gallery of San Diego, Balboa Park, P.O. Box 2107, San Diego 12, California; the collection contains paintings by: Ribera, Velasquez, Rubens, Giotto, Correggio, Canaletto, Hals, Memling, Veronese, El Greco, Murillo, Titian, Giorgione, Bellini, Lotto, Tintoretto, Piero di Cosimo, Strozzi, Rembrandt, Goya, van Dyck; early and contemporary American artists; Asiatic arts and a large selection of prints from many countries; the Fine Arts Society has a membership of about 1,900, including an "Art Guild" membership of 230 and a junior membership of 300; art library of several thousand volumes; lectures, concerts and classes are provided; Dir. WARREN BEACH.

Franklin D. Roosevelt Warm Springs Memorial Museum: Warm Springs, Ga.; f. 1961; contains Roosevelt mementoes from the Little White House.

Franklin Institute Science Museum: exhibits illustrating physical sciences and various branches of engineering, lectures, demonstrations; Dir. R. W. NEATHERY.

Freer Gallery of Art: Smithsonian Institution (*see* "Learned Societies"), Washington 25, D.C.; established 1906; opened 1923; devoted to research on the outstanding collections of Chinese, Japanese, Indian and Islamic art; gift of the late Charles L. Freer, of Detroit; large collection of the works of James McNeill Whistler and his contemporaries; library of 40,000 vols.; Dir. JOHN A. POPE, M.A., PH.D.; Asst. Dir. HAROLD P. STERN, M.A., PH.D.; Head Curator Near Eastern Art RICHARD ETTINGHAUSEN; Curator Japanese Art HAROLD P. STERN, M.A., PH.D.; Curator Chinese Art JAMES F. CAHILL, M.A., PH.D.; Assoc. Curator Chinese Art WILLIAM B. TROUSDALE, M.A.; Head Cuartor Freer Gallery Laboratory R. J. GETTENS; Asst. Curator Freer Gallery Laboratory ELIZABETH H. WEST; publs. *Annual Report, Occasional Papers, Oriental Studies, Ars Orientalis*, etc.

Frick Collection: 1 East 70th Street, New York 21, N.Y.; opened 1935; collection of 14th- to 19th-century paintings; sculpture and bronzes, 15th and 18th centuries; Limoges enamels of 16th century; 17th- and 18th-century Chinese and French porcelains; Italian, French and English period furniture; these objects are not displayed as in a museum, but in the more intimate surroundings and atmosphere of the former private house of the late Henry Clay Frick; Dir. FRANKLIN M. BIEBEL.

Griffith Observatory and Planetarium: P.O. Box 27787, Los Feliz Station, Los Angeles 27, California; presented to the City of Los Angeles, under the will of Col. Griffith J. Griffith, who had previously (1896) presented Griffith Park to the City; opened 1935; three main divisions: the Observatory, with Zeiss twin 12-inch and 9½-inch refracting telescopes and three solar telescopes; the Hall of Science, with over 100 exhibits; the Theatre of the Heavens, with its Zeiss planetarium and space travel projectors—the theatre seats 525 people; publs. *The Griffith Observer* (illustrated, monthly), *Guide Book*, etc.; Dir. C. H. CLEMINSHAW, PH.D.

Hall of State: Dallas 26, Tex.; f. 1936; museum and archives of Texas history, operated by Dallas Historical Society (*see* Learned Societies); Dir. VIRGINIA L. GAMBRELL.

Henry E. Huntington Library and Art Gallery: San Marino, California; f. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden. **Art Gallery** (formerly residence of the founder) contains chiefly 18th-century British portraits and landscapes; 18th-century decorative arts (English and French furniture, French tapestries, English miniatures, etc.); Arabella D. Huntington Memorial Art Collection in Library building consists of Renaissance Italian and Flemish Madonnas, 18th-century French sculpture, tapestries, porcelains. **Exhibitions** of paintings, art objects, books and MSS. open to public. **Botanical Gardens,** open to public, in 200-acre estate: 2,500 species and varieties of desert plants; five-acre camellia garden; Oriental garden; azaleas, roses, semi-tropical plants; Shakespeare garden; Chair. Board of Trustees HOMER D. CROTTY; Dir. JOHN E. POMFRET; Librarian ROBERT O. DOUGAN; Curators: Art ROBERT WARK, MSS. HERBERT C. SCHULZ, Rare Books CAREY S. BLISS, Prints WILLIAM A. PARISH; Supt. of Grounds MYRON KIMNACH. *See also* Libraries.

Henry Ford Museum and Greenfield Village: Dearborn, Mich.; f. 1929; general museum of American history covering 200 acres; American decorative arts, transportation, steam and electrical power, communication, agriculture, lighting, home arts, 100 historic houses and craft shops; library of 14,000 vols.; Pres. WILLIAM CLAY FORD; Sec. and Exec. Dir. DONALD A. SHELLEY.

Hispanic Society of America, The: Broadway, between 155th and 156th Streets, New York 32, N.Y.; f. 1904; free museum (collections of paintings, sculpture and the decorative arts) and reference library devoted to the presentation of the culture of the Hispanic peoples; publications available on Spanish art and literature: Pres. A. HYATT MAYOR.

Isaac Delgado Museum of Art: Lelong Avenue, City Park, New Orleans 19, La.; f. 1911; paintings, sculpture, jade and other hard stones collection; Oriental bronzes; ancient and primitive Aegean glass and classic Greek painted pottery; Kress collection of Italian Renaissance paintings; Hyams collection of late 19th-century French salon paintings, etc.; Dir. SUE M. THURMAN.

John G. Shedd Aquarium: Grant Park, Chicago 5, Illinois; opened 1930; John Graves Shedd, shortly before his death in 1926, presented $3,000,000 to the people of Chicago with which to build an aquarium: the management of the project was entrusted to a group of representative business men organised as the Shedd Aquarium Society; exhibits only living specimens of aquatic life; at the end of the collecting season there is in the Aquarium an average of 10,000 specimens, representing about 250 distinct species; Dir. WALTER H. CHUTE.

Kansas City Museum and Planetarium: 3218 Gladstone Boulevard, Kansas City 23, Mo.; f. 1939; Natural Science, regional history and anthropology, administered by Kansas City Museum Association for the City of Kansas; Dir. W. E. PHILLIPS; publ. *Bulletin* (monthly).

Lincoln Park Zoological Gardens: Chicago 14, Ill.; f. 1874; approx. 2,500 specimens of mammals, birds, reptiles, and amphibians; operated by the Chicago Park District; open every day in the year; Dir. Dr. LESTER FISHER.

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Los Angeles County Museum: Exposition Park, Los Angeles 7, Calif.; f. 1913; fine arts, history, anthropology, natural sciences; library of 50,000 vols.; Dir. HERBERT FRIEDMANN; Chief Curator of Science (Vacant); Chief Curator of Art Dr. UICHARD F. BROWN; Chief Curator of History RUTH MAHOOD; publs. *Bulletin of the Art Division* (quarterly), *Museum Quarterly*.

Marine Studios, Inc.: Marineland (St. Augustine), Fla.; f. 1938; includes two Oceanariums and a research laboratory for work on marine life; Chair. C. V. WHITNEY.

Mariners' Museum: Newport News, Virginia; f. 1930 by Archer M. Huntington; devoted to "the culture of the sea and its tributaries, its conquest by man, and its influence on civilization"; several hundred ship models; both builders' half-models and display models are in the collections, including the Crabtree Collection of miniature ships; collection of native boats and canoes displayed in courtyards; collections of ship ornaments, figureheads, ship carving, anchors, chain, bronze and iron cannon, small arms, cutlasses, boarding pikes, etc.; marine coins, medals and postage stamps; lighthouse and life-saving exhibit; relics from warships salvaged from the York River which were sunk there during the siege of Yorktown in 1781; a print and painting collection numbering some 10,000 items, including ports of the world, steamships, sailing vessels, yachts, etc.; several special exhibitions are held each year; the library contains some 40,000 books and pamphlets, 6,000 maps and charts, and 75,000 photographs; publs. are issued by the Museum; Dir. Rear Admiral GEORGE J. DUFEK, U.S.N. (retd.).

Maryland Historical Society: 201 West Monument Street, Baltimore 1, Maryland; f. 1844; Francis Scott Key's original MS. of The Star-Spangled Banner is permanently exhibited here; the Portrait Gallery and sixteen other rooms contain more than 400 paintings and a large collection of portrait miniatures; the Museum contains the Patterson-Bonaparte collection, costumes, jewellery, silver and furniture, etc.; the Library contains more than 55,000 books, etc.; the Manuscript room includes the Calvert Papers, over 1,300 letters and documents of the Lords Baltimore and their families, genealogical collections, and many hundreds of prints and drawings; 3,500 mems.; publs. *Archives of Maryland*, 68 vols., 1883-; *Maryland Historical Magazine*, 57 vols., 1906-; *Maryland History Notes*, 17 vols., 1943-; *Studies in Maryland History*, 4 Nos., 1953; Pres. GEORGE L. RADCLIFFE; Dir. HAROLD R. MANAKEE; Librarian JOHN D. KILBOURNE.

Metropolitan Museum of Art, The: Fifth Avenue and 82nd Street, New York 28, N.Y.; f. 1870; Departments: American Paintings and Sculpture, American Wing, Arms and Armour, Conservation, Costume Institute, Education (including Junior Museum), Egyptian Art, Drawings, European Paintings, Far-Eastern Art, Greek and Roman Art, Medieval Art, Musical Instruments, Near-Eastern Art, Prints, Western European Arts; the Museum Library contains 150,000 books, 1,000 periodicals, photograph and slide library; publs. *The Bulletin, Calendar of Events, Annual Report, Special Exhibition Catalogues*, etc.; 19,000 mems.; Pres. ROLAND L. REDMOND; Dir. JAMES J. RORIMER; Sec. DUDLEY T. EASBY, Jr.; Treas. J. KENNETH LOUGHRY; Operating Administrator JOSEPH V. NOBLE.

The Cloisters, a branch of The Metropolitan Museum of Art, is located in Fort Tryon Park, New York; f. 1926; devoted to European medieval art; Dir. JAMES R. RORIMER; Curator MARGARET B. FREEMAN.

M. H. De Young Memorial Museum: Golden Gate Park, San Francisco 18, Calif.; estab. 1895; large collection of European and American art, paintings, sculpture; original period rooms; tapestries, furniture and other decorative arts illustrating Western cultures from ancient Egypt, Greece and Rome to 1850; art displays from China, Japan, Indonesia and Islands of South Pacific; special collections include: Avery Brundage Collection of Oriental art, Samuel H. Kress Collection of European paintings, Roscoe and Margaret Oakes Collection of 18th-century furnishings, paintings and sculpture; Flemish tapestries donated by the William Randolph Hearst Foundation; de Young Museum Society has 2,000 mems.; Dir. JACK RICHARD MCGREGOR.

Minneapolis Society of Fine Arts, The: 201 East 24th Street, Minneapolis 4, Minn.; f. 1883; 2,711 mems.; library of 12,568 vols.; sponsors the Minneapolis Institute of Arts and Minneapolis School of Art; paintings by old and modern masters of Europe and America; Egyptian, Greek, Pre-Columbian and European and American decorative arts; Alfred F. Pillsbury collection of ancient Chinese jades and bronzes, etc.; Dir. of Institute CARL J. WEINHARDT, Jr.; Dir. of School W. B. BRYAN; publ. *Bulletin* (quarterly).

Montclair Art Museum: 3 South Mountain Avenue, Montclair, N.J.; f. 1910; paintings, sculpture (largely American) and decorative arts; North American Indian art; library of approx. 3,000 vols.; Dir. Miss KATHRYN E. GAMBLE; publ. *Bulletin* (monthly Oct.-June).

Morehead Planetarium: University of North Carolina, at Chapel Hill, N.C.; f. 1949; Zeiss Planetarium Instrument, Memorial Rotunda, Copernican Orrery, Scientific and Art Exhibitions, etc.; training laboratory for U.S. Mercury Astronaut Team; Dir. A. F. JENZANO.

Museum of the American Indian (*Heye Foundation*): Broadway at 155th Street, New York 32, N.Y.; f. 1916; the Museum has over 3,500,000 specimens, of which about one-quarter can be displayed at one time; the Museum's sole aim is to gather and preserve for students everything useful pertaining to the material culture of the aborigines of the Western Hemisphere; library contains 25,000 volumes; Dir. Dr. FREDERICK J. DOCKSTADER.

Museum of Fine Arts, The: 1001 Bissonnet Steet, Houston, 5, Texas; incorporated in 1924; European painting and sculpture, Renaissance to present day; Oriental, Southwest Indian and pre-Columbian art; more than 25 special exhibitions annually; incorporates Museum School of Art, an accredited college offering a B.F.A. degree; Pres. S. J. MORRIS, Jr., Dir. JAMES JOHNSON SWEENEY; publ. *Newsletter* (monthly).

Museum of Modern Art, The: 11 West 53rd Street, New York 19, N.Y.; f. 1929; collections of 20th-century paintings, drawings, prints, sculptures, design objects, photographs and posters; special departments of architecture, industrial design and photography; large collection of American, British, French, German and Russian films, about 500 of which are available for organisations to study; modern art library of 15,000 vols.; organises exhibitions in all the visual arts for circulation all over the world; Dir. RENE D'HARNONCOURT; publ. *Bulletin* (quarterly).

Museum of Navajo Ceremonial Art: Santa Fé, New Mexico; f. by Mary C. Wheelwright; incorp. 1937; the Museum contains records of the myths and ritual sand paintings of the Navajo religion; publs. *Bulletins, Navajo Religion Series*; Dir. KENNETH E. FOSTER.

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Museum of New Mexico: Santa Fé, N.M.; f. 1909; a State agency, under Board of Regents appointed by Governor, divisions in anthropology, history, fine arts, international folk art, located in separate buildings; custody of combined libraries approx. 20,000 vols.; publ. *El Palacio*, monographs, reports; Dir. JAMES TAYLOR FORREST.

Museum of Science and Industry: Jackson Park, Chicago 37, Illinois; f. by Julius Rosenwald; Charter 1926; agriculture, fuels, metals, power, physics, chemistry, electronics, plastics, transportation, mathematics, graphic arts, engineering, and medical sciences; exhibits include full size coal mine, German submarine, extensive exhibit of scale models of important nuclear reaction installations by U.S. Atomic Energy Commission, National Science Foundation exhibit of all of the scientific displays presented by the United States at the Brussels World's Fair; Dir. D. M. MACMASTER; publ. *Progress* (bi-monthly).

National Air Museum: Smithsonian Institution (*see* Learned Societies), Washington 25, D.C.; f. 1946 to record the national development of aviation; to collect, preserve, and display aeronautical equipment of historical interest and significance; and to provide educational material for the historical study of aeronautics. The collection contains original full-size aircraft, spacecraft, recovered space exploration vehicles, engines, instruments, flight clothing, accessories of technical, historical, and biographical interest, scale models, and extensive reference data; Dir. P. S. HOPKINS, LL.B.

National Archives and Records Service of the United States: National Archives Building, Pennsylvania Avenue, Washington 25, D.C.; the National Archives Establishment, created as an independent agency in 1934, was transferred in 1949 to the newly established General Services Administration, in which it became the National Archives and Records Service; it now consists of the Office of Records Management, the Office of Records Appraisal, the National Archives, the Office of the Federal Register, the Franklin D. Roosevelt Library at Hyde Park, N.Y., the Harry S. Truman Library at Independence, Mo., the Dwight D. Eisenhower Library at Abilene, Kans., and the Herbert Hoover Library at West Branch, Iowa; NARS prescribes standards and methods for the efficient management of current records of the Federal Government; supervises the administration of records centres; selects, preserves, and administers in the National Archives those Federal records that have enduring value; publishes the daily *Federal Register*, the *Code of Federal Regulations*, the *Statutes at Large*, the *U.S. Government Organisation Manual* and the *Public Papers of the Presidents* and administers the Presidential libraries. In 1963 there were about 900,000 cubic feet of records in the National Archives, dated from about 1774 to 1962. On permanent display are the Declaration of Independence, the Constitution of the United States, and the Bill of Rights. Facsimiles of these and other documents are for sale. The National Archives publish aids to the use of records in custody there and reproduce bodies of records of high research value on microfilm, positive prints of which are for sale. A list of microfilm publications may be obtained upon request. Archivist of the United States, WAYNE C. GROVER; Deputy Archivist of the United States, ROBERT H. BAHMER.

National Collection of Fine Arts: Washington 25, D.C.; f. 1906; under the administration of the Smithsonian Institution and comprises the depository for those parts of the National collections relating to the fine arts not included in the National Gallery of Art and the Freer Gallery of Art; contains the Harriet Lane Johnston collection, including a number of portraits by British masters; the Ralph Cross Johnson collection of paintings by Italian, French, English, Flemish, and Dutch masters; and the William T. Evans collection of paintings by recent American artists; war portraits given by the National Art Committee 1921; Henry Ward Ranger collection of contemporary American paintings; John Gellatly collection of paintings and art objects; miniature paintings, including the Catherine Walden Myer and Pepita Milmore collections; Dir. THOMAS M. BEGGS, B.F.A.

National Gallery of Art: Smithsonian Institution, Washington 25, D.C.; part of the Smithsonian Institution (*see* page 1293) but directed by its own Board of Trustees: The Chief Justice of the United States (Chair.), The Secretary of State, The Secretary of the Treasury, The Secretary of the Smithsonian Institution, JOHN HAY WHITNEY, PAUL MELLON, JOHN N. IRWIN II; estab. 1937, opened 1941; Mellon, Kress, Widener, Dale and Rosenwald collections, and other individual gifts, numbering over 27,000 works of art, including paintings, sculpture, prints, and drawings, and examples of decorative arts; library of 36,000 books and pamphlets; Exec. Officers: Pres. PAUL MELLON; Vice-Pres. JOHN HAY WHITNEY; Sec.-Treas. and Gen. Counsel HUNTINGTON CAIRNS; Dir. JOHN WALKER; Administrator ERNEST R. FEIDLER; Chief Curator PERRY B. COTT.

Nelson-Atkins Gallery of Art: Rockhill at 45th, 4525 Oak Street, Kansas City 11, Missouri; estab. 1926 under the will of Mr. Nelson for the purchase of works of fine arts such as paintings, engravings, sculptures, tapestries, decorative arts, and rare books; the collection, begun in 1930, was opened to the public in 1933; Trustees: M. D. BLACKWELL, MILTON MCGREEVY, DAVID T. BEALS; Dir. and Curator of Oriental Art LAURENCE SICKMAN; Senior Curator ROSS TAGGART; Curator of Painting and Sculpture RALPH T. COE; Superintendent CLARENCE SIMPSON.

Oriental Institute of the University of Chicago: 1155 East 58th Street, Chicago 37, Illinois; f. 1919 Purpose: research in the early advanced civilisations of the Near East; Museum opened 1896; over 50,000 objects representing the art, religion and daily life of ancient Egypt, Assyria, Babylonia, Persia, Palestine, Syria, Anatolia and Cyprus; Dir. Oriental Institute ROBERT M. ADAMS; Museum Curator PINHAS P. DELOUGAZ.

Peabody Museum of Archaeology and Ethnology: Harvard University, Cambridge 38, Massachusetts, f. 1866 by George Peabody; it is in charge of a Director and Faculty responsible to the President and Fellows of Harvard College. The Museum works in the closest co-operation with the Department of Anthropology of Harvard, and much of the research of these two Divisions is jointly determined. Since its founding, more than 600 expeditions have been sent to every continent, resulting, with the addition of important gifts and purchases, in the building up of one of the most comprehensive and best-balanced collections of ethnology, archæology, and physical anthropology in the world. The first scientific studies of Mayan archæology were made under its direction, and its collections from this area, and from Middle America generally, are among the finest in existence. Its collections of Old World archæology, typologically arranged, are not equalled in the New World. The American School of Prehistoric Research is a department of the Museum and conducts excavations in the Old World. In ethnology, the material from the Pacific Islands, secured in part through the vision of Alexander Agassiz, is important, and the Museum is also rich in material representing the native tribes of Africa, of South America, and of

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the Plains and North-west Coast Indians of North America, where some of the objects date from the Lewis and Clarke expedition of 1806. The archaeology of the south-western United States, including the Pueblo Indian area, is also strongly represented. The Library, with its 70,000 books and pamphlets, covers the entire field of anthropology. It includes all the anthropological journals and other proceedings and reports of anthropological societies and museums throughout the world; publs. *Papers, Memoirs, Annual Reports, Harvard African Studies*; Dir. JOHN OTIS BREW, A.B., PH.D.; Sec. PHILIP PHILLIPS, A.M., M.ARCH., PH.D.

Peabody Museum of Natural History (*Yale University*) New Haven, Connecticut; f. by a gift of George Peabody, 1866; extensive collections in the fields of anthropology, geology, invertebrate palæontology, mineralogy, oceanography, vertebrate palæontology, invertebrate zoology and vertebrate zoology, scientific instruments, each with its own Curator; Dir. S. DILLON RIPLEY 2ND., PH.D.

Pennsylvania Academy of the Fine Arts, The: Philadelphia 2, Pennsylvania; f. 1805 as an Art Gallery and Fine Arts School, the oldest in America; the permanent collection stresses American painting, sculpture, and graphics, with fine representations of each period from the early 18th century to contemporary work; the collections are constantly augmented by purchase and gift; annual exhibitions of contemporary art since 1811; special exhibitions yearly; 2,200 mems. and stockholders; school, both winter and summer; Pres. FRANK T. HOWARD; Treas. C. NEWBOLD TAYLOR; Sec. and Dir. JOSEPH T. FRASER, Jr.; Administrator of Schools DAVID SELLIN.

Philadelphia Museum of Art: Parkway at 26th Street, Philadelphia 1, Pennsylvania; incorp. 1876; painting and sculpture, decorative arts, prints, Eastern art, textiles, furniture; Pres. R. STURGIS INGERSOLL; Sec. and Treas. JULIUS ZIEGET; Dir. HENRI MARCEAU; publ. *Bulletin* (quarterly).

Natural History Museum: P.O. Box 1390, San Diego 12, Calif.; f. 1874; Dir. GEORGE E. LINDSAY.

San Francisco Museum of Art: War Memorial, Civic Centre, San Francisco 2; f. by the San Francisco Art Association, inc. 1921, to foster the understanding of contemporary art by exhibitions of both present-day production and sources in the past; the Museum (re-opened January 1935) contains fourteen galleries; permanent and loan collections include: Albert M. Bender Collection of contemporary American and European paintings, drawings, prints, work by San Francisco artists; William L. Gerstle Collection of art by living artists; Museum collections include Latin American Collection, American and European collections of contemporaries; loan collections; Harriet Levy Collection of contemporary French paintings; Sarah and Michael Stein Memorial Collection; reference library with emphasis on contemporary art and on periodicals; special exhibitions, about 50 annually; annual exhibitions of the San Francisco Art Association; Chair. of Board WILLIAM W. CROCKER; Dir. GEORGE D. CULLER; Pres. J. H. HUME; Librarian ANNELIESE HOYER; publs. monthly calendar of exhibitions, catalogues of special exhibitions.

San Jacinto Museum of History: San Jacinto Monument, Texas; f. 1939; the permanent exhibits outline the history of Texas from the time of Cortes onwards; library of 15,000 vols.; Pres. L. W. KEMP; Dir. Mrs. DAVID W. KNEPPER.

Smith College Museum of Art: Northampton, Mass.; f. 1920; principal collection is of painting of last 200 years, with emphasis on French Art of 19th century; publ. *Bulletin* (annual).

Snow Entomological Museum: University of Kansas, Lawrence, Kan.; f. 1870; one of the largest insect collections in America; it is particularly rich in specimens from all parts of the North American continent; Curator C. D. MICHENER.

Solomon R. Guggenheim Museum, The: 1071 Fifth Avenue, New York 28, N.Y.; f. 1937 and maintained by the S. R. Guggenheim Foundation; a gallery of 20th-century paintings and sculptures from the Guggenheim Collection; loan groups and special one-man shows; approx. 2,000 works of art including a large group of Brancusi sculptures, the most important single groups of paintings by Chagall, Delaunay, Kandinsky, Klee, Léger and Marc in the U.S. as well as works by Cézanne, Seurat, Bonnard, Modigliani, Picasso, Braque and others; periodic exhibitions: Younger Artists, European and American. To stimulate public interest in contemporary art and to encourage the work of artists throughout the world, the Foundation offers a triennial Guggenheim International Award of $10,000 and National Section Awards of $2,500 each; Dir. THOMAS M. MESSER.

Texas Memorial Museum: Campus of the University of Texas, Austin 5; a centre for the conservation and display of material illustrative of the civic and natural history of Texas; geological, historical, botanical, zoological, and anthropological sections; Dir. WM. W. NEWCOMB; Curator of Anthropology, Miss DEE ANN SUHM; Curator of Zoology GERALD RAUN; Sec. Mrs. IDELLA BROWNING.

United States National Museum: Washington, D.C.; the Museum, a branch of the Smithsonian Institution (*see* Learned Societies) depository of the national collections. It is especially rich in the natural science of America, including zoology, entomology, botany, geology, palæontology, archæology, ethnology, and physical anthropology, and has extensive series relating to the history of the United States and to the sciences, arts and industries. The historical collections include personalia of famous Americans, antiquarian, military, naval, numismatic, and philatelic objects, and also include objects relating to the 1914-18 and 1939-45 wars; exhibits relate to the natural sciences, to national history, and to the history and present practices of the physical sciences, technology, graphic arts, medicine and public health; Dir. F. A. TAYLOR, B.S., LL.B.; Dir. Museum of Natural History T. DALE STEWART, A.B., M.V., D.SC.; Dir. Museum of History and Technology F. A. TAYLOR, B.S., LL.B.; Head Curators: WALDO R. WEDEL, A.B., M.A., PH.D. (Anthropology), HORTON H. HOBBS, Jr., B.S., M.S., PH.D. (Zoology), J. F. GATES CLARKE, PH.C., B.S., M.S., PH.D. (Entomology), J. R. SWALLEN, A.B., M.S. (Botany), G. S. COOPER, M.S., PH.D. (Science and Technology), P. W. BISHOP, B.COM., PH.D. (Arts and Manufactures), R. H. HOWLAND, A.B., M.A., PH.D. (Civil History), M. L. PETERSON, B.S., M.A. (Armed Forces History); publs. *Annual Report, Bulletins, and Proceedings.*

University Museum: University of Pennsylvania, 33rd and Spruce Streets, Philadelphia 4, Penn.; f. 1887; archæological collection from Old and New Worlds; ethnology from the New World, Oceania and Africa; the museum also acts as a teaching organisation and leads expeditions overseas; Dir. FROELICH G. RAINEY, PH.D.

University of Kansas Museum of Art: Lawrence, Kan.; f. 1927; European, American and Oriental paintings and sculpture, including the Thayer Memorial collection and the Kress collection; ceramics, glass and time

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pieces; library of 8,000 vols. on art; Dir. EDWARD A. MASER; publs. *Register, Newsletter* (both bi-annually) and exhibition catalogues.

Virginia Museum of Fine Arts, The: Boulevard and Grove, Richmond 20, Va.; f. 1936; America's first state-wide visual arts organisation; two "Artmobiles"; medieval, Renaissance, modern and Oriental paintings, sculpture and decorative arts, Imperial Russian jewellery; early Chinese bronzes; early Greek painted vases; 7,335 mems.; Dir. LESLIE CHEEK, Jr.; publs. *Virginia Museum Members Bulletin, Arts in Virginia,* exhibition catalogues.

Walker Art Center: 1710 Lyndale Avenue South, Minneapolis, Minn.; f. 1939; paintings, drawings, prints, sculpture, ceramics, jade; Dir. MARTIN L. FRIEDMAN; publs. *Design Quarterly, Calendar of Events* (monthly, Sept. to May), exhibition catalogues.

Walters Art Gallery: 600 North Charles Street, Baltimore 1, Maryland; when Henry Walters died in 1931 he left to the people of Baltimore his Art Gallery and its collections and an endowment for its maintenance. The collections had been assembled over a period of ninety years by William T. Walters and his son Henry; over 25,000 objects are housed in the building; the exhibits are arranged in historical and chronological sequence on the lower and upper floors, and comprise: Egyptian art, Ancient East, Minoan and Mycenaean art, Greek, Etruscan and Roman art, Near-Eastern art, Coptic art, Byzantine art, Pre-Romanesque and Romanesque, early Gothic art, later Gothic art, Renaissance sculpture and decorative arts, manuscript illumination, incunabula, Italian painting, Renaissance and Northern Renaissance art, 17th-, 18th- and 19th-century art, Far-Eastern art, Ancient American art; Dir. EDWARD S. KING; publs. *Journal of the Walters Art Gallery* (annual), *Report* (annual), *Handbook of the Collection, Bulletin* (monthly, Oct.-May), *Catalogue of the Egyptian Sculpture, Catalogue of the Classical Bronze Sculpture, Catalogue of the Incunabula, Catalogue of Italian Majolica, Catalogue of American Works of Art, Catalogue of Migration Jewelry,* photographs, post-cards, leaflets, and various volumes and reproductions.

Whitney Museum of American Art: 22 West 54th Street, New York 19, N.Y.; f. 1930; established for the encouragement and advancement of contemporary American art; special exhibitions include Whitney annual and historical surveys; Dir. LLOYD GOODRICH; Assoc. Dir. JOHN I. H. BAUR.

Worcester Art Museum: 55 Salisbury Street, Worcester, Mass.; f. 1896; membership 5,117; the permanent collection illustrates the evolution of art from early Egyptian civilisation to modern times; especially notable are ancient Egyptian, classical, Oriental and medieval sculpture; mosaics from Antioch; a French Romanesque Chapter House; a Gothic tapestry of the Last Judgment; Italian and other European schools of painting of the 13th to 20th centuries; English, French, and American collections from the 18th century to the present day; pre-Columbian art; Japanese prints; library of 22,204 vols.; Pres. MILTON P. HIGGINS; Dir. DANIEL CATTON RICH; Curator LOUISA DRESSER; Librarian ALICE MUNDT; Administrator KESTER D. JEWELL; publ. *News Bulletin and Calendar* (monthly, Oct. to May), *Worcester Art Museum Annual.*

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UNIVERSITIES

Not all Universities are included in the following list, but every effort has been made to give details of the most important ones.

UNIVERSITY OF AKRON

AKRON 4, OHIO
Telephone: POrtage 2-2441

Founded 1870 by Ohio Universalist Convention; became Municipal University of Akron 1913; present title 1926.

President: NORMAN P. AUBURN, A.B., D.SC., LITT.D., H.D., LL.D.
Vice-President and Dean of Administration: D. J. GUZZETTA, ED.D.
Financial Vice-President: IAN R. MACGREGOR, PH.D.
Controller: ROBERT PEEK, B.S.B.A., C.P.A.
Registrar: G. A. HAGERMAN, B.A.
Librarian: DOROTHY HAMLEN, B.S.L.S.

The library contains 160,000 volumes.
Number of teachers: 337.
Number of students: 7,075.
Day Session: 2,258 men, 1,463 women, total 3,721.
Evening Session: 2,257 men, 1,097 women, total 3,354.
Publications: *Bulletin* (annual), *The Alumnus* (quarterly), *From the Hilltop* (quarterly).

DEANS:

Buchtel College of Liberal Arts: GEORGE W. KNEPPER, PH.D.
College of Education: CHESTER T. MCNERNEY, PH.D.
College of Engineering: WILLIAM M. PETRY, M.S., M.E.
College of Business Administration: R. C. REIDENBACH, PH.D.
College of Law: STANLEY A. SAMAD, LL.M.
General College: THOMAS SUMNER, PH.D.
Graduate: ERNEST H. CHERRINGTON, Jr., PH.D.
Evening and Adult Education: WILLIAM A. ROGERS, ED.M.
Student Services: RICHARD L. HANSFORD, M.A.ED.
Summer Session: WILLIAM A. ROGERS, ED.M.

UNIVERSITY OF ALABAMA

UNIVERSITY, ALABAMA

Founded 1831.

President: FRANK ANTHONY ROSE, A.B., LL.D.
Comptroller: WILLIAM E. PICKENS, Jr., B.S.
Librarian: WILLIAM S. HOOLE, M.A., PH.D.
Curator: RALPH CHERMOCK, M.A., PH.D.

Number of teachers: 685.
Number of students: 5,713 men, 3,296 women, total 9,009.
Publications: *Business News, Alumni News, University Studies, Review,* etc.

DEANS:

Administration: HENRY D. BONHAM.
Admissions: HUBERT E. MATE, M.A., PH.D.
College of Arts and Sciences: FREDERICK W. CONNER, M.A., PH.D.
School of Chemistry, Metallurgy and Ceramics: ROBERT D. BROWN, M.S., PH.D.
School of Commerce and Business Administration: S. PAUL GARNER.
College of Education: ROBERT L. HOPPER, M.ED., PH.D.
College of Engineering: JAMES R. CUDWORTH, S.B., M.S., SC.D.
Graduate School: ERIC RODGERS, M.A., PH.D.
School of Home Economics: E. NEIGE TODHUNTER, M.S., PH.D.
School of Law: LEIGH M. HARRISON, LL.M.
Medical College of Alabama: S. RICHARDSON HILL, A.B., M.D.
School of Dentistry: CHARLES A. MCCALLUM, A.B., D.DC., M.D.
Summer School: L. TENNENT LEE, M.A., ED.D.

ASSOCIATED COLLEGES:
Medical College of Alabama in Birmingham.
School of Dentistry in Birmingham.

UNIVERSITY OF ALASKA

COLLEGE, FAIRBANKS, ALASKA
Telephone: GR 9-2211

Founded 1915 as Alaska Agricultural College and School of Mines; name changed 1935.

President: WILLIAM R. WOOD, PH.D., LL.D.
Academic Vice-President: HOWARD A. CUTLER, PH.D.
Vice-President for Research and Advanced Study and Director Geophysical Institute: C. T. ELVEY, PH.D.
Dean of Students: EDWARD VOLDSETH, PH.D.
Comptroller: HAROLD BYRD, B.B.A.
Registrar: LAURA JONES, B.A.
Librarian: JOHN S. MEHLER, B.S. in LIB.SCI.

Number of teachers: 105.
Number of students: 1,159.
Publications: *Nanook Says,* The *"A" Book, Catalog.*

DEANS:

College of Arts and Letters: CHARLES J. KEIM, M.A. (*Acting*).
College of Biological Science: BRINA KESSEL, PH.D. (*Acting*).
College of Business, Economics and Government: HANS E. JENSEN, PH.D.
College of Earth Science and Mineral Industry: EARL H. BEISTLINE, E.M.
College of Mathematics, Physical Science and Engineering: CHARLES SARGENT, M.S.
College of Behavorial Science and Education: CHARLES K. RAY, ED.D.
Statewide Services: ARTHUR S. BUSWELL, PH.D.
Geophysical Institute: VICTOR P. HESSLER, PH.D. (*Acting Associate Director*).
Institute of Marine Science: KENNETH M. RAE, PH.D. (*Director*).
Arctic Research Laboratory: MAX BREWER, B.S. (*Executive Director*).

ALFRED UNIVERSITY

ALFRED, N.Y.

Chartered 1857

President: M.ELLIS DRAKE, PH.D.
Treasurer: EDWARD K. LEBOHNER.
Director of Admissions: ROBERT HOWARD.
Registrar: FRED H. GERTZ.
Librarian: FRANCES G. HEPINSTALL.

Number of teachers: 124, including 31 professors.
Number of students (1962-63): 1,064 men, 511 women, total 1,575.
Publications: *Fiat Lux, Review, Kanakadea, Handbook, Alumni News, University Catalogue.*

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DEANS:

College of Liberal Arts: Dr. SEYMOUR B. DUNN.
College of Ceramics: Dr. JOHN F. MCMAHON.
Graduate School: Dr. LEWIS C. BUTLER.
School of Nursing: I. VERNETTE GRAU.
Dean of Students: PAUL F. POWERS.

AMERICAN UNIVERSITY

WASHINGTON 16, D.C.

Chartered 1893.

President: HURST R. ANDERSON.
Vice-President, Dean of Faculties: DONALD DERBY.
Vice-President, Treasurer and Business Manager: WILLIAM O. NICHOLLS.
Vice-President, Administrative Assistant to President: STAFFORD H. CASSELL.
Director of Admissions: JOHN WAKEFIELD.
Registrar: LOIS E. TORRENCE.
Librarian: ANNE JENSEN.

Number of teachers: 550.
Number of students: 7,950.

DEANS:

College of Arts and Sciences: RALPH C. JOHN.
School of Business Administration: NATHAN A. BAILY.
School of Government and Public Administration: CATHERYN SECKLER-HUDSON.
School of International Service: ERNEST S. GRIFFITH.
Washington College of Law: JOHN S. MYERS.
Division of General and Special Studies: RICHARD M. BRAY.
Graduate School: RICHARD W. VAN WAGENEN.
Dean of Students: CHARLES W. VAN WAY, Jr.

UNIVERSITY OF ARIZONA

TUCSON, ARIZONA

Telephone: MAin 4-8181.

Founded 1885.

President: RICHARD A. HARVILL, PH.D., LL.D.
Acad. Vice-President: WALTER H. DELAPLANE, PH.D.
Vice-President for Planning and Development: SAMUEL C. MCMILLAN, M.B.A.
Registrar: DAVID L. WINDSOR, M.A.
Comptroller: KENNETH R. MURPHY, B.S.
Librarian: FLEMING BENNETT, A.B., B.S.L.S.

The library contains over 395,000 vols.
Number of teachers: 1,113.
Number of students: 9,904 men, 5,858 women, total 15,762.
Publications: *Arizona Quarterly* (Literature), *Arizona and the West* (Quarterly Journal of History), *Record, Bulletin, Business and Economic Review* (monthly), agricultural publications.

DEANS:

College of Agriculture: HAROLD E. MYERS, PH.D.
College of Business and Public Administration: C. WM. VORIS, PH.D.
College of Education: HOLLIS A. MOORE, Jr., ED.D.
College of Engineering: LEANDER W. MATSCH, M.S. (Acting).
College of Fine Arts: SIDNEY W. LITTLE, M.ARCH.
College of Law: JOHN D. LYONS, J.D.
College of Liberal Arts: FRANCIS A. ROY, PH.D.
College of Mines: JAMES D. FORRESTER, PH.D.
College of Pharmacy: WILLIS R. BREWER, PH.D.
Graduate College: HERBERT D. RHODES, PH.D.
Division of Continuing Education and Summer Session: PENDLETON GAINES, PH.D.
Men: A. L. SLONAKER, M.A.
Women: KAREN L. CARLSON, PH.D.

ARIZONA STATE UNIVERSITY

TEMPE, ARIZONA

Founded 1885

President: Dr. G. HOMER DURHAM.
Executive Vice-Pres.: Dr. WM. J. BURKE.
Academic Vice-President: Dr. H. D. RICHARDSON.
Business Vice-President GILBERT L. CADY.
Registrar: ALFRED THOMAS, Jr.
Librarian: Dr. ALAN D. COVEY.

Number of volumes in library: 483,795.
Number of teachers: 675.
Number of students: 13,675 (1st Sem. 1962-63).

DEANS:

College of Liberal Arts: Dr. KARL H. DANNENFELDT.
College of Education: Dr. G. D. MCGRATH.
College of Business Administration: Dr. GLENN D. OVERMAN.
College of Engineering Sciences: Dr. LEE P. THOMPSON.
Graduate College: Dr. WILLIAM J. BURKE.
Graduate School of Social Service Administration: Dr. HORACE W. LUNDBERG.
School of Engineering: Dr. LEE P. THOMPSON.
School of Architecture: JAMES W. ELMORE.
School of Nursing: LORETTA A. HANNER.
Students: Dr. W. P. SHOFSTALL.

UNIVERSITY OF ARKANSAS

FAYETTEVILLE, ARKANSAS

Telephone: Hillcrest 3-4511

Established 1871. Opened 1872.

President: DAVID W. MULLINS, B.A., M.A., ED.D.
Administrative Vice-President: JAMES W. GREEN, Jr., B.S., M.S., PH.D.
Vice-President for Academic Affairs: PAUL M. YOUNG, A.B., M.A., PH.D.
Vice-President for Agriculture: JOHN W. WHITE, PH.D.
Vice-President for Health Sciences: STORM WHALEY, B.A.
Vice-President for Business: J. E. POMFRET.
Registrar: CARTER A. SHORT, B.A., M.S.
Librarian: MARVIN A. MILLER, B.A., B.S. in L.S.
Director of Museum: C. R. MCGIMSEY, A.B., M.A., PH.D.

Number of teachers: 550.
Number of students: 5,283 men, 2,334 women, total 7,617.

DEANS:

College of Agriculture: GERALD T. HUDSON, B.S., M.S., PH.D.
College of Arts and Sciences: GUERDON D. NICHOLS, M.A., PH.D.
College of Business Administration: PAUL W. MILAM, M.B.A., D.C.S.
College of Education: HENRY HAROLD KRONENBERG, M.A., PH.D.
College of Engineering: GEORGE FRANCIS BRANIGAN, B.S.C.E., M.S.
Graduate School: VIRGIL WILLIAM ADKISSON, A.B., PH.D.
School of Law: RALPH BARNHART, B.A., LL.B.
Vice-President for Health Sciences: STORM WHALEY, B.A.
School of Medicine: Dr. WINSTON K. SHOREY.
School of Pharmacy: S. G. MITTELSTAEDT, A.B., M.S., PH.D.
School of Nursing: FRANCES M. RUSSELL, PH.D.
Graduate Institute of Technology: WILLIAM B. STILES, PH.D.

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ATLANTA UNIVERSITY

ATLANTA, GEORGIA

Founded 1865. Chartered 1867.

President: RUFUS E. CLEMENT.
Treasurer: C. EVERETT BACON.
Registrar: PAUL I. CLIFFORD.

The library contains 165,000 volumes.
Number of teachers: 67.
Number of students: 723.
Publications: *Atlanta University Bulletin* (quarterly), *Phylon, The Atlanta University Review of Race and Culture* (quarterly).

DEANS:

Education: HORACE MANN BOND.
Business Administration: HARDING B. YOUNG.
Arts and Sciences: THOMAS D. JARRETT.
Social Work: WILLIAM S. JACKSON.
Library Service: VIRGINIA L. JONES.

DIRECTOR:

Summer Session: PAUL I. CLIFFORD.

AUBURN UNIVERSITY

(formerly Alabama Polytechnic Institute)

AUBURN, ALABAMA
Telephone: 887-6511.

Land-grant State College

Founded in 1856 as The East Alabama Male College by the Alabama Conference of the Methodist Episcopal Church, South. College building, land, equipment and good will donated to the State 1872; name changed by Act of Legislature 1959.

President: RALPH B. DRAUGHON, M.S., LL.D.
Executive Vice-President: ROBERT C. ANDERSON, B.S., M.A., PH.D.
Business Manager: W. T. INGRAM.
Registrar: CHARLES WESLEY EDWARDS, M.A.
Dean of Faculties: MICHEL C. HUNTLEY, M.A., LL.D.
Director of Libraries: CLYDE HULL CANTRELL, M.A., A.B.L.S., PH.D.

The library contains 500,000 volumes.
Number of teachers: 974.
Number of students: 12,000.
Publications: *Bulletin* (bi-monthly), *Catalogue* (annual), *This is Auburn, Plainsman, Glomerata, Faculty Newsletter* (monthly).

DEANS:

Director o Agricultural Experiment Stations: EDWIN V. SMITH, M.S., PH.D.
Director of Engineering Experimental Stations: FRED H. PUMPHREY, B.E.A., E.E.
Director of Agricultural Extension: FRED ROBERTSON, M.S., PH.D.
School of Agriculture: EDWIN V. SMITH, M.S., PH.D.
School of Architecture and the Arts: W. A. SPEER, B.ARCH., M.ARCH.
School of Chemistry: CHARLES RICHARD SAUNDERS, M.S., PH.D.
School of Education: TRUMAN MITCHELL PIERCE, M.A., PH.D.
School of Engineering: FRED H. PUMPHREY, B.E.A., E.E.
Graduate School: WILLIAM VANN PARKER, M.A., PH.D.
School of Home Economics: MARION WALKER SPIDLE, M.A.
School of Pharmacy: SAMUEL TERRY COKER, M.S., M.A., PH.D.
School of Science and Literature: ROGER WILLIAMS ALLEN, M.S., M.A., PH.D.
School of Veterinary Medicine: JAMES E. GREENE, D.V.M., M.S.

BAKER UNIVERSITY

(Methodist Church)

BALDWIN CITY, KANSAS
Telephone: 594-6447.
Chartered 1858.

President: WILLIAM J. SCARBOROUGH, B.A., A.M., S.T.B., PH.D., LL.D.
Dean and Registrar: BENJAMIN A. GESSNER, A.B., S.T.B., PH.D.
Dean of Women: ADA TENNY, B.S., M.S.
Dean of Men: FRED WEBB, JR., A.B., B.S.
Treasurer: E. V. WOOD, A.B.
Controller: ROBERT A. RIDLEY.
Librarian: MARY E. MCCORMICK, A.B., M.A., M.S.

Number of teachers: 50.
Number of students: 414 men, 371 women, total 785.
Publication: *Orange, Wildcat.*

UNIVERSITY OF BALTIMORE

1420 NORTH CHARLES STREET,
BALTIMORE 1, MD.
Telephone: Saratoga 7-6350

President: WILMER A. DEHUFF (Acting).
Registrar: MRS. KATHLEEN C. JOYCE.
Librarian: MRS. HARRIETTE W. SHELTON.

Number of teachers: 172.
Number of students: 3,917.

DEANS:

School of Business, Industry, and Management: CLIFFORD C. JAMES.
Junior College: DR. HARVEY S. REED.
School of Law: JOHN H. HESSEY.
College of Liberal Arts:
Dean of Students: H. R. HERGENROEDER.

BAYLOR UNIVERSITY

WACO, DALLAS AND HOUSTON, TEXAS
Telephone: Plaza 3-4511.
Telegraphic Address: Baylor University, Waco, Texas
(Baptist General Convention of Texas)

Chartered 1845 under Republic of Texas by Texas Baptist Educational Society at Independence, Texas; consolidated 1886 with Waco University and came under control of Baptist General Convention of Texas.

President: ABNER V. MCCALL, B.A., LL.M., LL.D.,
Chancellor: W. R. WHITE, D.D., TH.M., TH.D.
Vice-President: ROY J. MCKNIGHT, B.A., LL.D.
Provost: MONROE S. CARROLL, PH.D.
Treasurer: ROY J. MCKNIGHT, B.A., LL.D.
Secretary: GRADY YATES, B.A.
Registrar: ALTON B. LEE, M.ED., LL.D.
Dean of Instruction: GEORGE M. SMITH, PH.D.
Librarian: ROSCOE ROUSE, M.A.
Curator: CORNELIA M. SMITH, M.A., PH.D.

Number of teachers: 308.
Number of students: 3,570 men, 2,559 women, total 6,129 (Waco).
Publications: ***Bulletin*** (quarterly), ***Law Review***, *Business* ***Studies*** (quarterly).

DEANS:

School of Education: M. L. GOETTING, PH.D.
School of Business: A. S. LANG, PH.D.
School of Law: WILLIAM J. BOSWELL, B.A., LL.B.
School of Music: DANIEL A. STERNBERG.
School of Nursing: ANNE TAYLOR, B.A., M.S., PH.D.

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College of Dentistry, Dallas.
College of Medicine, Houston.
School of Nursing, Waco.

BOB JONES UNIVERSITY

GREENVILLE, SOUTH CAROLINA
Telephone: CE9-9001

Founded 1927.

Founder: Dr. Bob Jones, Sr.
President: Dr. Bob Jones, Jr.
Assistant to the President: Bob Jones, III.
Registrar: Dr. Marshall Neal.
Dean of Administration: Dr. James D. Edwards.
Librarian: Miss Margaret Bald.

Number of teachers: 200.
Number of students: 3,000.

Deans:

College of Arts and Science: Dr. Philip Daniel Smith.
School of Religion and Director of Extension: Dr. Gilbert R. Stenholm.
School of Fine Arts: Dr. Dwight L. Gustafson.
School of Education: Dr. Walter G. Fremont.
School of Business Administration: Laurence Lautenbach.

BOSTON UNIVERSITY

BOSTON 15, MASSACHUSETTS
Telephone: COpley 7-2100

Founded 1839. Chartered 1869

President: Harold C. Case, s.t.b., d.d., litt.d., sc.d., ll.d., l.h.d.
Vice-Presidents: Judson R. Butler, a.b., a.m., ph.d. (Acting for Academic Affairs), J. Wendell Yeo, ph.d. (Student Affairs), Kurt M. Hertzfeld, a.b., m.b.a. (Administrative Affairs), John A. Dunn, a.b. (Development), George A. Warmer, a.m., s.t.b., d.d. (University Affairs).
Executive Assistant to the President: Margaret H. Merry, a.b., m.a., ph.d.

The library contains 550,000 volumes.
Number of teachers: 683 full-time, total 2,079.
Number of students: 11,353 full-time, 10,894 part-time, 9,013 extension and summer, total 31,260.

Deans:

College of Liberal Arts: Richard M. Millard, ph.d.
College of Business Administration: Philip H. Ragan, d.c.s.
School of Fine and Applied Arts: Edward E. Stein, ph.d.
Sargent College: George K. Makechnie, ed.m.
College of Basic Studies: Horatio M. LaFauci, ed.d.
School of Theology: Walter G. Muelder, s.t.b., ph.d.
School of Law: Elwood H. Hettrick, a.b., ll.d.
School of Education: Jack R. Childress, b.ed., m.s., ph.d.
School of Medicine: Lewis H. Rohrbaugh, ph.d., sc.d. (acting).
School of Public Relations and Communications: Gerhart D. Weibe, a.b., m.a., ph.d.
School of Social Work: John McDowell, b.d.
School of Nursing: Marie Farrell, ed.d.
Graduate School: Richard S. Bear, ph.d.
College of Industrial Technology: Louis C. Carey, Acting Dean, a.s., b.s.

Professors:

College of Liberal Arts:
Agnew, Malcolm E., ph.d. (Classics).
Benedict, Robert P., dr.rer.pol. (Government).
Bernard, Kenneth A., a.m., (History).
Bertocci, Angelo P., ph.d. (Comparative Literature).
Blackett, Donald W., ph.d. (Mathematics).
Brace, Gerald W., ph.d. (English).
Budde, Erich G., ph.d. (German).
Burtt, Everett, Jr., ph.d. (Economics).
Cagek, Milic, ph.d. (Philosophy).
Célières, André, dr. ès l. (Etat) (French).
Chin, Robert, ph.d. (Psychology).
Cohen, Robert S., ph.d. (Physics).
Cohen, Saul, ph.d. (Geography).
Coulter, Lowell V., ph.d. (Chemistry).
Erickson, Franklin C., ph.d. (Geography).
Field, Mark, ph.d. (Sociology).
Fletcher, John L., ph.d. (Government).
Fulton, George P., ph.d. (Biology).
Gensler, Walter J., ph.d. (Chemistry).
Gibbs, Hubert S., ph.d. (Government).
Gyorgy, Andrew, ph.d. (Government).
Harris, Stuart K., ph.d. (Biology).
Harrison, John M. (Psychology).
Harvey, Lashley G., ph.d. (Government).
Heyn, Arno H. A., ph.d. (Chemistry).
Holmes, Doris, ph.d. (English).
Humes, Arthur G., ph.d. (Biology).
Jewell, William M., a.b. (Fine Arts).
Jones, E. Winston, ph.d., ph.d. (Speech).
Kim, David Kwang-won, ph.d. (Religion).
Lavely, John H., s.t.b., ph.d. (Philosophy).
Levitine, George, ph.d. (Fine Arts).
Lichtin, Norman, ph.d. (Chemistry).
Lipp, Solomon, ph.d. (Romance Languages).
Mason, J. Philip, ph.d. (Chemistry).
Merlino, Camillo P., ph.d., litt.d. (Romance Languages).
Moller, Herbert, ph.d. (History).
Moody, Robert E., ph.d. (History).
Morris, Albert, a.m. (Sociology).
Myron, Herbert B., Jr., ph.d. (French).
Navez, Albert E., d.sc. (Biology).
Newman, William, ph.d. (Government).
Noether, Gottfried E., ph.d. (Mathematics).
Norton, William B., ph.d. (History).
Nowak, Frank, ph.d. (History).
Oddy, John, a.m. (History).
Oñate, José D., a.m. (Spanish).
Parkhurst, C. Chandler, a.m. (English).
Patt, Donald I., ph.d. (Biology).
Peebles, Waldo C., ph.d. (German).
Pinard, William J., ph.d. (Psychology).
Purinton, Carl E., ph.d. (Religion).
Reyna, Leo J., ph.d. (Psychology).
Romax, Paul, d.phy. (Physics).
Sanders, Irwin T., ph.d. (Sociology).
Scheid, Francis J., ph.d. (Mathematics).
Siegel, Armand, ph.d. (Physics).
Sweetser, Frank L., ph.d. (Sociology).
Tryon, Warren S., a.m. (History).
Turner, Charles, ph.d. (Biology).
Wagenknecht, Edward, ph.d. (English).
Watzinger, Arthur J., ph.d. (German).
White, Harold O., ph.d. (English).
White, Irving H., ph.d. (English).
Winslow, Donald J., ph.d. (English).
Wolfe, C. Wroe, ph.d. (Geology).
Wyman, Leland C., ph.d. (Biology).
Young, Genevieve, ph.d. (Biology).

Division of General Education; College of Liberal Arts:
Blaustein, Ernest H., ph.d. (Biology).
Born, Donald, a.m. (English and Humanities).
Eddy, G. Norman, ph.d. (Human Relations).
Hawthorne, Mart, ph.d. (Biology).
Patterson, Frank H., ph.d. (English and Humanities).
Read, Bill, m.a. (English and Humanities).
Tiffney, Wesley N., ph.d. (Biology).
Verhage, William, ph.d. (Political Economy).
Walston, Ernest B., ed.d. (Guidance).

College of Business Administration:
Ashton, David, ph.d. (Business Administration).
Barratt, Harry L., ph.d. (Finance).
Beckwith, Allen E., m.b.a. (Marketing).
Carson, David, d.b.a. (Business Administration).
Danforth, Warner C., b.b.a. (Business Administration).
Dooby, Francis S., a.m. (Business Administration).
Fawcett, James, m.b.a., c.p.a. (Accounting).

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KELLY, JAMES W., PH.D. (Business Administration).
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PARKER, Lt.-Col. HARRY F., B.S. (Military Science).
PEEL, ROBERT L., M.A., C.A.G.S. (Business Administration).
SHERBURNE, ROBERT W., M.B.A., C.P.A. (Accounting).
TABOR, OSBORNE B., A.M. (Mathematics and Science).
WASHBURN, ROGER D., B.B.A. (Advertising).

Sargent College:
BERTENSHAW, MARION M., ED.M. (Physical Education).
GARDNER, ELIZABETH W., PH.D. (Biology and Physiology).
KESSEL, J. BERTRAM, ED.D. (Physical Education).
MCGARRETT, ADELAIDE L., ED.M. (Physical Therapy).
MAKECHNIE, GEORGE K., ED.M. (Education).
SCHUYLER, GRETCHEN, B.S. in ED., M.A. (Physical Education).

College of Industrial Technology:
CHIN, CHARLES L. D., M.A.E., S.M. (Aeronautical Engineering).
WILCOX, GLENN W., ED.D. (Communications).

College of Basic Studies:
CROSBY, HARRY H., PH.D. (Communications).
FISHER, JAMES A., A.M. (Humanities).
GLANZ, EDWARD C., ED.D. (Psychology and Guidance).
KERR, COLIN H., A.M. IN T. (Science).

School of Theology:
BECK, HARRELL F., PH.D. (Old Testament).
BOOTH, EDWIN P., S.T.B., PH.D., D.D. D.LITT., D.H.L. (Historical Theology).
CAMERON, RICHARD M., S.T.B., PH.D. (Church History).
CHAKRAVARTY, AMIYA, D.PHIL. (Comparative Oriental Religions and Literature).
DEWOLF, L. HAROLD, S.T.B., PH.D., S.T.D. (Systematic Theology)
EHRENSTROM, NILS, B.D., L.TH., TH.D. (Hon. Professor) (Ecumenics).
HOLCOMB, WALTER L., ED.D. (Religious Education).
HOUGHTON, JAMES R., A.M., MUS.D. (Church Music and Worship).
JOHNSON, PAUL E., S.T.B., PH.D., D.D. (Psychology and Pastoral Counselling).
LUCCOCK, ROBERT E., A.B., B.D., D.D. (Homiletics).
MAYNARD, DONALD M., B.D., PH.D. (Religious Education).
MUELDER, WALTER G., S.T.B., PH.D. (Social Ethics).
NEWHALL, JANNETTE E., PH.D. (Research Methods).
ROWLINGSON, DONALD T., S.T.B., PH.D. (New Testament Literature).
SCHILLING, S. PAUL, S.T.B., PH.D. (Systematic Theology).
STOTTS, HERBERT E., PH.D. (Church and Community).
THURMAN, HOWARD, D.D., HH.D., LL.D., LITT.D. (Spiritual Resources and Disciplines).

School of Law:
BEISEL, ALBERT R., Jr., A.B., LL.B. (Law).
CURRAN, WILLIAM J., LL.M., S.M.HYG. (Medical Law).
HETTRICK, ELWOOD H., A.B., LL.D. (Law).
KENT, ROBERT B., A.B., LL.B. (Law).
KILBOURN, WILLIAM D., Jr., B.A., LL.B. (Law).
LIACOS, PAUL J., LL.M. (Law).
LIBERMAN, ROBERT, B.A., B.S., J.D., LL.M. (Law).
ROEMELE, EUGENE C., A.B., LL.B., LL.M. (Law).
SISKIND, PAUL M., A.B., LL.B. (Law).
SCHWARTZ, WILLIAM, LL.B. (Law).
STICKELLS, AUSTIN T., LL.M., M.B.A. (Law).

School of Medicine:
ADAMS, PHILIP E., D.M.D. (Orthodontics).
ADAMS, RALPH H., M.D. (Surgery).
AUSTEN, GEORGE, Jr., M.D. (Urology).
BAKER, EDGAR E., PH.D. (Microbiology).
BAKST, HENRY J., M.D. (Preventive Medicine).
BANDLER, BERNARD, M.D. (Psychiatry).
BOYD, WILLIAM C., PH.D. (Immunochemistry).
BYRNE, JOHN J., M.D. (Surgery).
CHAIKIN, BERNARD, D.M.D. (Periodontology).
CHRISTOPHE, KENNETH, PH.D. (Orthopedic and Fracture Surgery).
CHUTE, RICHARD, M.D. (Urology).
CURRAN, WILLIAM, LL.M., M.S.H. (Medical Law).
DEUTSCH, FELIX, M.D. (Psychiatry).
DEUTSCH, HELENA, M.D. (Psychiatry).
FINEBERG, NATHAN L., M.D. (Otolaryngology).
FOX, LEWIS, D.D.S. (Periodontology).
GELLIS, SYDNEY S., M.D. (Pediatrics).
GOLDMAN, HENRY M., D.M.D. (Stomatology).
GREENSTEIN, ARTHUR V., D.D.S. (Orthodontics).
GUNDERSEN, TRYGVE, M.D. (Ophthalmology).
HAWKINS, DAVID R., M.D. (Psychiatry).
HEGNAUER, ALBERT H., PH.D. (Physiology).
HOAGLAND, HUDSON, PH.D. (Biology and Physiology).
INGELFINGER, FRANZ J., M.D. (Medicine).
JOSSMAN, PAUL, M.D., PH.D. (Neurology).
KANE, CHARLES A., M.D. (Neurology).
KATZ, KERMIT, M.D. (Medicine).
KENSLER, CHARLES J., PH.D. (Pharmacology).
KEEFER, CHESTER S., M.D., SC.D. (Medicine).
KNAPP, PETER, M.D. (Psychiatry).
LASSEK, ARTHUR M., PH.D., M.D. (Anatomy).
LEVENE, GEORGE, M.D. (Radiology).
LOEW, EARL, PH.D. (Physiology).
LOONEY, JOSEPH M., M.D. (Biochemistry).
MALLORY, G. KENNETH, M.D. (Pathology).
MARGOLIS, HERBERT I., D.M.D. (Orthodontics).
MATOLTSY, ALEXANDER G., M.D. (Dermatology).
MESCON, HERBERT, M.D. (Dermatology).
MILLER, GEORGE F., M.D. (Surgery).
NICKERSON, DONALD A., M.D. (Pathology).
PARSONS, LANGDON, M.D. (Obstetrics and Gynæcology).
PAVENSTEDT, ELEANOR, M.D. (Child Psychiatry).
PEABODY, CHARLES W., M.D. (Orthopædics, Fracture Surgery).
RANK, BEATA, PH.D. (Psychiatry).
RELMAN, ARNOLD, M.D. (Medicine).
ROBBINS, STANLEY L., M.D. (Pathology).
RUNGE, PAUL M., A.B., M.D. (Opthalmology).
SINEX, F. MAROTT, PH.D. (Biochemistry).
SKIRBALL, JOSEPH J., M.D. (Ophthalmology).
SMITHWICK, REGINALD H., M.D. (Surgery).
SOLOMON, HARRY, M.D. (Psychiatry).
STEARNS, DAVID B., M.D. (Urology).
STRAUSS, MAURICE B., M.D. (Medicine).
STRIEDER, JOHN W., M.D. (Surgery).
STRONG, M. STUART, M.D., F.R.C.S. (Otolaryngology).
TAYLOR, GRANTLEY W., M.D. (Surgery).
THOMA, KURT H., D.M.D. (Oral Surgery).
TWEED, CHARLES H., D.D.S. (Orthodontics).
WHITELAW, GEORGE P. (Surgery).
WILKINS, ROBERT W., M.D. (Medicine).

School of Education:
ARBUCKLE, DUGALD S., PH.D. (Education).
BLATT, BURTON, ED.D. (Education).
BRAMELD, THEODORE, PH.D. (Educational Philosophy).
CHILDRESS, JACK R., PH.D. (Education).
CROSSLEY, B. ALICE, ED.D. (Education).
DURRELL, DONALD D., ED.D. (Education).
GARRY, RALPH J., PH.D. (Education).
GILMORE, JOHN, ED.D. (Psychology).
GUNN, M. AGNELLA, PH.D. (Education).
IRWIN, LESLIE W., PH.D. (Education).
KVARACEUS, WILLIAM C., ED.D. (Education).
MILLER, ARTHUR G., ED.D. (Education).
MURPHY, ALBERT P., PH.D. (Speech and Hearing).
MURPHY, HELEN A., ED.D. (Education).
OSTRANDER, RAYMOND H., ED.D. (Education).
PRONOVOST, WILBERT L., PH.D. (Speech and Hearing).
READ, JOHN G., ED.D. (Education).
SULLIVAN, HELEN B., ED.D. (Education).
WEAVER, J. FRED, M.S. (Education).
WYLIE, JAMES A., ED.D. (Education).

School of Social Work:
BERNSTEIN, SAUL B., M.S. (Social Work).
MURPHY, JEANE I., M.S.S. (Social Work).
PARK, BEATRIX A., M.A., M.S. (Social Work).

School of Fine and Applied Arts:
ARMISTEAD, HORACE (Design).
ARONSON, DAVID (Art).
BORNOFF, GEORGE, D.MUS. (Music Education).
BOROVSKY, ALEXANDER (Piano).
BUGGERT, ROBERT W., PH.D. (Music).
CHOATE, ROBERT A., ED.D., MUS.D. (Music).
EHRENSPERGER, HAROLD, B.D. (Drama).
GORDON, RODERICK D., PH.D. (Music).
HOUGHTON, JAMES R., B.A., A.M., MUS.D. (Voice).
KELLEY, KENNETH G., S.B., MUS.BAC. (Music Education).
NORDEN, HUGO S., MUS. DOC. (Theory of Music).
READ, GARDNER, M.M. (Composition and Music Theory).

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STOSKA, POLLY (Voice).
TOTENBERG, ROMAN (Music).
WAGER, WILLIS J., PH.D. (Humanities).

School of Nursing:
FARRELL, MARIE, ED.D. (Nursing).
FORD, MYRTLE M., R.M., M.S. (Nursing).
GARRIGAN, MARY ANN L., R.N., ED.M. (Nursing).
GROSSMAN, HELEN T., A.M. (Nursing).
HALL, ELIZABETH J., R.N., ED.M. (Nursing).
KIBRICK, ANNE, ED.D. (Nursing).
PLAISTED, LENA, M.A. (Nursing).
SOMMERMEYER, LUCILLE, R.N., ED.M. (Nursing).

School of Public Relations and Communications:
DEL PORTO, JOSEPH A., PH.D. (Journalism).
GILLIS, D. HUGH, PH.D. (Communications).
KRIMEL, DONALD W., PH.D. (Public Relations).
ROBINSON, EDWARD J., PH.D. (Communications Research).
WHITE, DAVID M., PH.D. (Journalism).

Graduate School:
BEAR, RICHARD S., PH.D. (Biology).
BENNE, KENNETH D., PH.D. (Human Relations).
BENNETT, CHESTER C., PH.D. (Clinical Psychology).
BERKELEY, AUSTIN W., PH.D. (Clinical Psychology).
BERTOCCI, PETER A., PH.D. (Philosophy).
BROWN, WILLIAM O., PH.D. (African Studies).
DORFMAN, RALPH I., PH.D. (Biochemistry).
HIRE, A. WILLIAM, ED.D. (Clinical Psychology).
KOELLA, WERNER P., M.D. (Biology and Physiology).
MACDONALD, DUNCAN E., PH.D. (Physics).
MONTGOMERY, JOHN, PH.D. (Government).
PINCUS, GREGORY, S.D. (Biology).
SMITH, F. DOW, PH.D. (Physics).

BOWLING GREEN UNIVERSITY

BOWLING GREEN, OHIO

Founded 1910

President: RALPH G. HARSHMAN.
Vice-President: KENNETH H. MCFALL.
Registrar: GLENN I. VAN WORMER.
Number of students: 6,600.

DEANS:

Liberal Arts: EMERSON C. SHUCK.
College of Education: JOHN E. GEE.
Business Administration: WILLIAM F. SCHMELTZ.
Graduate School: LLOYD A. HELMS.

BRADLEY UNIVERSITY

PEORIA, ILLINOIS
Telephone: Peoria 676-7611

Founded 1897

President: Dr. TALMAN VAN ARSDALE, Jr.
Executive Vice-President: Dr. A. G. HAUSSLER.
Vice-President for Academic Affairs: Dr. E. RUSSEL KUCHEL.
Registrar: Miss RUTH JASS.
Librarian: ROBERT LIGHTFOOT, Jr.

Number of teachers: 190 full-time, 75 part-time.
Number of students: 3,373 full-time, 1,330 part-time.

DEANS:

Graduate School: Dr. RAY LEPLEY.
College of Applied Sciences: Dr. BERYL M. CUNNINGHAM.
Peoria College (Junior College): Dr. WILBUR W. GRIMM.
College of Business Administration: WILLIAM A. CLAREY.
College of Education: Dr. LEO G. BENT.
College of Engineering: Dr. MARTIN G. ABEGG.
College of Liberal Arts and Sciences: Dr. JOHN H. SHROYER.
Students: LESLIE H. TUCKER.

DIRECTORS:

School of Music: Dr. ALLEN CANNON.
School of International Studies: Dr. NICHOLAS NYARADI.
School of Art: Dr. LESTER KNORR.
School of Speech Therapy: Dr. CLARA MAWHINNEY.

BRANDEIS UNIVERSITY

WALTHAM, MASSACHUSETTS
Telephone: Twinbrook 4-6000
Telegraphic Address: Brandeis University, Waltham, Mass.

Founded 1948

President: Dr. ABRAM L. SACHAR, PH.D., LITT.D.
Number of teachers: 262 (1962-63).
Number of students: 1,400 plus 425 graduate students.

DEANS:

University Planning and Development: CLARENCE Q. BERGER, A.M.
Faculty: CHARLES I. SCHOTTLAND, A.B.
Students: MILTON SACKS, M.A., PH.D.
Science: LOUIS LEVIN, A.B., PH.D.
Graduate School: LEONARD W. LEVY, A.M., PH.D.
University Resources: MELVIN A. GLASSER, LL.D.
Admissions: PHILIP J. DRISCOLL, A.M.
Florence Heller School for Advanced Studies in Social Welfare: CHARLES I. SCHOTTLAND, A.B.

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Humanities: HAROLD WEISBERG, B.A., PH.D.
Science: LOUIS LEVIN, A.B., PH.D.
Social Science: ROBERT A. MANNERS, M.A., PH.D.

CHAIRMEN OF GRADUATE AREAS:

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Biochemistry: NATHAN O. KAPLAN, A.B., PH.D.
Biology: HAROLD P. KLEIN, B.A., PH.D.
Biophysics: HERMAN T. EPSTEIN, M.A., PH.D.
Chemistry: SAUL G. COHEN, M.A., PH.D.
English and American Literature: ROBERT O. PREYER, M.A., PH.D.
History of Ideas: HERBERT MARCUSE, PH.D.
Mathematics: DAVID A. BUSCHBAUM, A.B., PH.D.
Mediterranean Studies: CYRUS H. GORDON, M.A., PH.D.
Music: ARTHUR BERGER.
Near-Eastern and Judaic Studies: NAHUM N. GLATZER, PH.D.
Physics: MAX CHRETIEN, PH.D.
Psychology: RICARDO B. MORANT, M.A., PH.D.
Sociology: MORRIS S. SCHWARTZ, M.A., PH.D.

BRIGHAM YOUNG UNIVERSITY

PROVO, UTAH
Telephone: FR 4-1211.

Founded 1875 by President Brigham Young of the Church of Jesus Christ of Latter-Day Saints.

President: ERNEST L. WILKINSON, B.A., LL.B., S.J.D., LL.D.
Administrative Assistant: JOHN T. BERNHARD, B.S., M.A., PH.D.
Assistant to President in Charge of University Development: WILLIAM NOBLE WAITE, B.S.
General Counsel: CLYDE D. SANDGREN, B.S., LL.B.
Director of Libraries: S. LYMAN TYLER, B.S., PH.D.

The library contains 366,257 volumes, pamphlets and bulletins.
Number of teachers: 617, does not include graduate assistants.
Number of students: 12,423.

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College of Physical Education: MILTON F. HARTVIGSEN, B.S., M.ED.
College of Religious Instruction: DAVID H. YARN, Jr., B.S., M.A., ED.D.
Graduate School: WESLEY P. LLOYD, B.S., M.S., PH.D.
Students: J. ELLIOT CAMERON.
Adult Education: HAROLD GLEN CLARK.

BROWN UNIVERSITY

PROVIDENCE, RHODE ISLAND, 02912
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Founded 1764.

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Registrar of the University: MILTON E. NOBLE.
Controller: JOHN B. PRICE, A.B.
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Number of teaching and research Faculty: 804.
Number of students: 2,412 men, 910 women, 920 graduate students, total 4,242.
Publications: *Quarterly of Applied Mathematics, Brown University Studies, Colver Lectures, Books at Brown.*

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CO-ORDINATE COLLEGE: **Pembroke** (women).

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STEWART, FRANK M., PH.D. (Mathematics).
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WEISZ, PAUL B., PH.D. (Biology).
WERMER, JOHN, PH.D. (Mathematics).
WESTERVELT, P. J., PH.D. (Physics).
WILLIAMS, ARTHUR O., JR., PH.D. (Physics).
WILSON, JAMES WALTER, PH.D. (Biology).
WROTH, LAWRENCE COUNSELMAN, A.B., LITT.D., L.H.D. (Research Professor of American History).
ZIMMER, BASIL G., PH.D. (Sociology).

BUCKNELL UNIVERSITY

LEWISBURG, PENNSYLVANIA
Telephone: 717 Local No. 523-1271
Founded 1846

President: Dr. MERLE M. ODGERS.
Director of Development: Dr. WESLEY N. HAINES.
Vice-President (Business and Finance): JOHN F. ZELLER.
Librarian: HAROLD W. HAYDEN.

The library contains 195,000 volumes.
Number of teachers: 163 full-time, 15 part-time, 50 professors.
Number of students: 1,578 men, 876 women, total 2,454.
Publications: *Bucknellian, L'Agenda, Handbook, Touché, Bucknell Engineer, Bucknell Review.*

DEANS:

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College of Arts and Sciences: Dr. LEON PACALA.
College of Business Administration: Dr. RUSSELL A. HEADLEY.
College of Engineering: CAPT. HERBERT F. ECKBERG.
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Men: CHARLES A. MEYN.
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BUTLER UNIVERSITY

INDIANAPOLIS 7, INDIANA
Telephone: Atwater 3-1343

Chartered as North-Western Christian University, a joint stock company, 1849; name changed to Butler University 1877.

President: ALEXANDER JONES (acting).
Bursar: RAYMOND W. GLADDEN.
Registrar: C. R. MAXAM.
Librarian: HAROLD BOISEN.

Number of teachers: 237.
Number of students: 5,648.

DEANS:

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Business Administration: DAVID R. ROBERTS.
Education: J. HARTT WALSH.
Pharmacy: KARL L. KAUFMAN.
Summer Session: CHRISTO T. MOCAS.
Christian Theological Seminary: PRESIDENT BEAUFORD A. NORRIS (*Dean*).
Men: HERBERT SCHWOMEYER.
Women: ELIZABETH WARD-DURFLINGER.

UNIVERSITY OF CALIFORNIA

Founded 1868

Statewide Administrative Offices: University Hall, Berkeley 4, California. Campuses at Berkeley, Los Angeles, Davis, Riverside, San Francisco, San Diego, and Santa Barbara (new campuses under development in Santa Cruz and Orange County).

STATEWIDE OFFICERS:

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Director of the Agricultural Experiment Station: MAURICE L. PETERSON, PH.D.
University Dean of Agriculture: MAURICE L. PETERSON, PH.D.
University Dean of Academic Planning: and Chancellor of the Santa Cruz Campus: Dean E. MCHENRY, PH.D.
University Dean of Educational Relations: FRANK L. KIDNER, PH.D.
University Dean of Research: ROGER R. REVELLE, PH.D.
Dean of University Extension: PAUL H. SHEATS, PH.D.

Library: *see* Libraries.
Total number of professors, associate professors, assistant professors, instructors 3,266.
Total number of students: 57,665.

Berkeley Campus

Established 1872

Chancellor: EDWARD W. STRONG, PH.D.
Vice-Chancellor: RAYMOND G. BRESSLER, PH.D.

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Vice-Chancellor: LINCOLN CONSTANCE, PH.D.
Vice-Chancellor, Student Affairs: ALEX C. C. SHERRIFS, PH.D.
Registrar: CLINTON C. GILLIAM, A.B.
Foreign Student Adviser: W. SHERIDAN WARRICK, M.A.
Librarian: DONALD CONEY, M.A.

Number of students: 24,720.

DEANS:

Graduate Division: SANFORD S. ELBERG, PH.D.
Students: KATHERINE A. TOWLE, M.A., LL.D.
Women: BETTY H. NEELY.
College of Agriculture: E. GORTON LINSLEY, PH.D.
College of Environmental Design: MARTIN MEYERSON, M.C.P.
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College of Engineering: JOHN R. WHINNERY, PH.D.
College of Letters and Science: WILLIAM B. FRETTER, PH.D.
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School of Criminology: JOSEPH H. LOHMAN, M.A.
School of Education: THEODORE L. RELLER.
School of Forestry: HENRY J. VAUX, PH.D.
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School of Public Health: CHARLES E. SMITH, M.D., D.P.H.
School of Social Welfare: MILTON CHERNIN, PH.D.
Graduate School of Business Administration: JOHN W. COWEE, PH.D.

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BAKER, KENNETH F., PH.D. (Plant Pathology).
BARKER, HORACE A., PH.D. (Microbial Biochemistry).
BRESSLER, RAYMOND G., Jr., PH.D. (Agricultural Economics).
BRIGGS, GEORGE M., PH.D. (Nutritional Sciences).
BROWN, SPENCER W., PH.D. (Genetics).
BROYER, THEODORE C., B.S. (Soils and Plant Nutrition).
CAMERON, DONALD R., PH.D. (Genetics).
CLARKE, DAVID A., Jr., PH.D. (Agricultural Economics).
CRAIG, RODERICK, PH.D. (Entomology).
DAY, PAUL R., PH.D. (Soils).
DEMPSTER, EVERETT R., PH.D. (Genetics).
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FULLER, VARDEN, PH.D. (Agricultural Economics).
FURMAN, DEANE P., PH.D. (Entomology).
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HOOS, SIDNEY S., PH.D. (Agricultural Economics).
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JACOBSON, LOUIS, PH.D. (Soils).
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MCLAREN, ARTHUR D., PH.D. (Soils and Plant Nutrition).
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SMITH, RAY F., PH.D. (Entomology and Parisitology).
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STERN, CURT, PH.D. (Genetics).
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RUBIN, HARRY, D.V.M.
SCHACHMAN, H. K., PH.D.
STANLEY, WENDELL M., M.S., PH.D.
STENT, GUNTHER S., PH.D.
WILLIAMS, ROBLEY C., PH.D.

Zoology:
ALFERT, M., PH.D.
BALAMUTH, WILLIAM, PH.D.
BERG, W. E., PH.D.
BERN, HOWARD A., PH.D.
DE OME, KENNETH B., PH.D.
EAKIN, RICHARD M., PH.D.
GULLBERG, JONAS E., A.B. (Metrology).
HAND, C. H., JR., PH.D.

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HARRIS, MORGAN, PH.D.
LEOPOLD, A. STARKER, PH.D.
MAZIA, DANIEL, PH.D.
MILLER, ALDEN H., PH.D.
NEEDHAM, PAUL R., PH.D.
PITELKA, FRANK A., PH.D.
SMITH, RALPH I., PH.D.
STEBBINS, ROBERT C. PH.D.
STERN, CURT, PH.D

San Diego Campus

Became part of the University, 1912

Chancellor: HERBERT F. YORK, PH.D.
Director of Scripps Institution of Oceanography: ROGER R. REVELLE, PH.D.
Librarian: MELVIN J. VOIGHT, A.M.L.S.

Number of students: 205.

PROFESSORS:

ARNOLD, JAMES R., PH.D. (Chemistry).
ARRHENIUS, GUSTAF, D.SC. (Marine Geology).
BACKUS, GEORGE E., PH.D. (Earth Sciences).
BENSON, ANDREW A., PH.D. (Marine Biology).
BONNER, DAVID, PH.D. (Chemistry Research).
BRUECKNER, KEITH A., PH.D. (Physics).
BURBIDGE, GEOFFREY R., PH.D. (Physics).
BURCKHARDT, SIGURD, PH.D. (German).
ECKART, CARL, PH.D. (Geophysics).
ENGEL, ALBERT E. J., PH.D. (Geology).
FEHER, GEORGE, PH.D. (Physics Research).
FOX, DENIS L., PH.D. (Marine Biochemistry).
GILBERT, J. FREEMAN, PH.D. (Earth Sciences).
GOLDBERG, EDWARD, PH.D. (Chemistry).
HAXO, FRANCIS T., PH.D. (Marine Biology).
HUBBS, CARL L., PH.D. (Marine Biology).
ISAACS, JOHN D., PH.D. (Marine Life Research).
KAMEN, MARTIN D., PH.D. (Chemistry).
KOHN, WALTER, PH.D. (Physics).
KROLL, NORMAN M., PH.D. (Physics).
LIEBERMANN, LEONARD N., PH.D. (Physics).
MATTHIAS, BERND T., PH.D. (Physics).
MAYER, JOSEPH, PH.D. (Chemistry Research).
MAYER, MARIA, PH.D. (Physics Research).
MENARD, HENRY W., Jr., PH.D. (Marine Resources).
MUNK, WALTER H., PH.D. (Geophysics).
NEWMARK, LEONARD D., PH.D. (Linguistics).
PERRY, CLAY L., PH.D. (Mathematics).
PHLEGER, FRED B., PH.D. (Oceanography).
PICCIONI, ORESTE, Doct. of Physics (Physics).
POPKIN, RICHARD H., PH.D. (Philosophy).
RAITT, RUSSELL W., PH.D. (Geophysics).
RAKESTRAW, NORRIS W., PH.D. (Chemistry).
REVELLE, ROGER R., PH.D. (Oceanography).
ROSENBLUTH, MARSHALL, PH.D. (Physics Research).
ROSTOKER, NORMAN, D.SC. (Physics-Applied Sciences).
SAUNDERS, JASON L., PH.D. (Philosophy).
SCHAEFER, MILNER R., PH.D. (Oceanography).
SCHOLANDER, PER, PH.D. (Physiology).
SHEPARD, FRANCIS P., PH.D. (Submarine Geology).
SINGER, SEYMOUR J., PH.D. (Biology).
SPIESS, FRED N., PH.D. (Oceanography).
STROLL, AVRUM, PH.D. (Philosophy).
SUESS, HANS E., PH.D. (Geochemistry).
SUHL, HARRY, PH.D. (Physics Research).
UREY, HAROLD C., PH.D. (Chemistry-at-Large).
VACQUIER, VICTOR, M.A. (Geophysics).
VOLCANI, BENJAMIN E., PH.D. (Microbiology).
WOOSTER, WARREN S., PH.D. (Oceanography).
WRIGHT, ANDREW H., PH.D. (English).
ZIMM, BRUNO, PH.D. (Chemistry).
ZOBELL, CLAUDE E., PH.D. (Marine Microbiology).

Santa Barbara

Became part of the University, 1944

Chancellor: VERNON I. CHEADLE, PH.D.
Vice-Chancellor—Academic Affairs: A. RUSSELL BUCHANAN, PH.D.
Vice-Chancellor—Student Affairs: STEPHEN S. GOODSPEED, PH.D.
Dean of the Graduate Division: EARL L. GRIGGS, PH.D.
Dean of the Division of Science and Letters: DONALD R. CRESSEY, PH.D.
Dean of the School of Engineering: A. G. CONRAD, E.E.
Dean of the School of Education: GORDON S. WATKINS, PH.D.
Dean of Women: ELLEN E. BOWERS, M.A.
Dean of Students: LYLE G. REYNOLDS, ED.D.
Registrar: THEODORE HARDER, ED.D.
Foreign Student Adviser: R. H. BILLIGMEIER, PH.D.
Librarian: DONALD C. DAVIDSON, PH.D.

Number of students: 4,861.

PROFESSORS:

ADAMS, HENRY M., PH.D. (History).
AGGELER, WILLIAM F., PH.D. (French).
ALTUS, WILLIAM D., PH.D. (Psychology).
BAER, KURT, PH.D. (Art).
BIESTER, CHARLOTTE E., ED.D. (Home Economics).
BICKERDIKE, ERNEST L., PH.D. (Chemistry).
BOONE, GEORGE M., Jr., B.S. (Military Science).
BROIDA, HERBERT P., PH.D. (Physics).
BROWN, D. MACKENZIE, PH.D. (Political Science).
BROWNING, LLOYD N., M.A. (Music).
BUCHANAN, A. RUSSELL, PH.D. (History).
BYERS, LORETTA M., ED.D. (Education).
CHEADLE, VERNON I., PH.D. (Botany).
CHRISTY, VAN A., PH.D. (Music).
CONRAD, ALBERT G., E.E. (Engineering).
COTTON, JOHN W., PH.D. (Psychology).
CRESSEY, DONALD, PH.D. (Sociology and Anthropology).
CURRENT, RICHARD N., PH.D. (History).
CUSHING, JOHN E., Jr., PH.D. (Bacteriology).
DAVENPORT, DEMOREST, PH.D. (Zoology).
DE CONDE DE ALEXANDER, PH.D. (History).
DE WOLFE, BARBARA B., PH.D. (Zoology).
DOLE, WILLIAM, Jr., M.A. (Art).
DURFLINGER, GLENN W., ED.D. (Education).
EBENSTEIN, WILLIAM, PH.D. (Political Sciences).
EISBERG, ROBERT M., PH.D. (Physics).
ERICKSON, MARY M., PH.D. (Zoology).
ESAU, KATHERINE, PH.D. (Botany).
FAULKNER, MAURICE E., PH.D. (Music).
FINGARETTE, HERBERT, PH.D. (Philosophy).
FOLADARE, JOSEPH, PH.D. (English).
FROST, WILLIAM, PH.D. (English).
GEIRINGER, KARL J., PH.D. (Music).
GILLESPIE, JOHN E., PH.D. (Music).
GIRVETZ, HARRY K., PH.D. (Philosophy).
GOODSPEED, STEPHEN S., PH.D. (Political Science).
GOTTSDANKER, ROBERT M., PH.D. (Psychology).
GRIGGS, EARL L., PH.D. (English).
HALTERMAN, J. FREDERICK, PH.D. (Economics).
HAND, GEORGE, PH.D. (English).
HARDER, THEODORE, ED.D. (Physical Education).
HARDIN, GARRETT J., PH.D. (Biology).
HATLEN, THEODORE W., PH.D. (Speech).
HODGKINS, JEAN L., ED.D. (Physical Education, Women).
HORVATH, STEVEN M., PH.D. (Physical Education).
JACOBS, WILBUR R., PH.D. (History).
JONES, EVELYN M., PH.D. (Home Economics).
KELLY, PAUL J., PH.D. (Mathematics).
KENNEDY, WILLIAM F., PH.D. (Economics).
KENNER, WILLIAM H., PH.D. (English).
LANTAGNE, JOSEPH E., ED.D. (Physical Education, Men).
LEONARD, EDITH M., M.A. (Education).
MARCUS, MARVIN, PH.D. (Mathematics).
MATHEWS, JOSEPH C., PH.D. (English).
MICHAEL, WILLIAM B., PH.D. (Education).
MILLER, GLENN H., PH.D. (Chemistry).
MINC, HENRYK, PH.D. (Mathematics).
MONROE, LYNNE C., ED.D. (Industrial Arts).
MOSELY, MAYNARD F., Jr., PH.D. (Botany).
MUDRICK, MARVIN, PH.D. (English).
MULLER, CORNELIUS, PH.D. (Botany).
NAIR, RALPH K., ED.D. (Education).
NOBLE, ELMER R., PH.D. (Zoology).
ORDUNG, PHILLIP F., D.E. (Engineering).
PEARCE, DONALD R., PH.D. (English).
POWELL, PHILIP W., PH.D. (History).
RAUCH, STANLEY E., PH.D. (Mathematics).

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SANDS, LESTER B., ED.D. (Education).
SEEFELD, KERMIT A., ED.D. (Education).
SELWOOD, PIERCE W., PH.D. (Chemistry).
SNIDECOR, JOHN C., PH.D. (Speech).
SPAULDING, CHARLES B., PH.D. (Sociology).
THOMAS, ROBERT M., PH.D. (Education).
TURNER, HENRY A., PH.D. (Political Science).
WALTON, LEWIS F., PH.D. (Mathematics).
WEBB, ROBERT W., PH.D. (Geology).
WILLSON, LAWRENCE, PH.D. (English).
WILSON, CLAYTON H., Jr., M.M. (Music).
WOLFE, JAMES N., M.A. (Economics).

Riverside Campus

Established 1905

Chancellor: HERMAN T. SPIETH, PH.D.
Vice-Chancellor: ROBERT A. NISBET, PH.D.
Dean of College of Letters and Science: THOMAS P. JENKIN, PH.D.
Dean of the Graduate Division: RALPH B. MARCH, PH.D.
Dean of the College of Agriculture: ALFRED M. BOYCE, PH.D.
Dean of Students: THOMAS L. BROADBENT, PH.D.
Dean of Women: LODA MAE DAVIS, M.S.B.
Librarian (College of Letters and Science): EDWIN T. COMAN, M.A.
Registrar: FRANCIS D. GURLL, M.A.

Number of students: 2,170.

PROFESSORS:

AITKEN, HUGH G. J., PH.D. (Economics).
ANDERSON, LAUREN D., PH.D. (Entomology).
BARNES, MARTIN M., PH.D. (Entomology).
BITTERS, WILLARD P., PH.D. (Horticultural Science).
BOYCE, ALFRED M., PH.D. (Entomology).
BROADBENT, THOMAS L., PH.D. (German).
BRUNK, HUGH D., PH.D. (Mathematics).
CALAVAN, EDMOND C., PH.D. (Plant Pathology).
CHAPMAN, HOMER D., PH.D. (Soil and Plant Nutrition).
COLEMAN, NATHANIEL T., PH.D. (Soils & Plant Nutrition).
DE BACH, PAUL H., PH.D. (Biological Control).
DICKSON, ROBERT C., PH.D. (Entomology).
DUGGER, WILLIE M., PH.D. (Botany).
EWART, WILLIAM H., PH.D. (Entomology).
FLESCHNER, CHARLES A., PH.D. (Biological Control).
FUKUTO, TETSUO R., PH.D. (Entomology).
GERARD, HAROLD B., PH.D. (Psychology).
GLECKNER, ROBERT F., PH.D. (English).
GUNTHER, FRANCIS A., PH.D. (Entomology).
HAWTHORNE, MARION F., PH.D. (Chemistry).
HEWITT, JACK E., ED.D. (Physical Education).
HOFFMAN, FREDERICK, PH.D. (English).
JEFFERSON, ROLAND, PH.D. (Entomology).
JENKIN, THOMAS P., PH.D. (Political Science).
JONES, FLOYD B., PH.D. (Mathematics).
JONES, WINSTON W., PH.D. (Horticultural Sciences).
KENDRICK, JAMES B., Jr., PH.D. (Plant Pathology).
LAWSON, ANDREW W., Jr., PH.D. (Physics).
LORENZ, OSCAR A., PH.D. (Vegetable Crops).
MARCH, RALPH B., PH.D. (Entomology).
MARTIN, JAMES P., PH.D. (Soils & Plant Nutrition).
MCCULLOH, THAN H., PH.D. (Geology).
METCALF, ROBERT L., PH.D. (Entomology).
MIDDLETON, JOHN T., PH.D. (Plant Pathology).
NEWELL, IRWIN M., PH.D. (Zoology).
NISBET, ROBERT A., PH.D. (Sociology).
OLMSTED, JOHN W., PH.D. (History).
PARKER, DEAN R., PH.D. (Zoology).
PITTS, JAMES N. Jr., PH.D. (Chemistry).
REUTHER, WALTER, PH.D. (Horticulture).
REYNOLDS, HAROLD T., PH.D. (Entomology).
RICHARDS, STERLING J., PH.D. (Soils & Plant Nutrition).
RIESEN, AUSTIN H., PH.D. (Psychology).
SINCLAIR, WALTON B., PH.D. (Biochemistry).
SMILEY, MALCOLM, PH.D. (Mathematics).
SMITH, ROY J., PH.D. (Horticulture).
SPIETH, HERMAN T., PH.D. (Zoology).
STOREY, WILLIAM B., PH.D. (Horticultural Science).
STRAUBINGER, OTHMAR, PH.D. (German).
UHR, CARL G., PH.D. (Economics).
VON LAUE, THEODORE, PH.D. (History).
TUNELL, GEORGE, PH.D. (Geology).
TURNER, ARTHUR C., PH.D. (Political Science).
TURRELL, FRANKLIN M., PH.D. (Biochemistry).
WEDDING, RANDOLPH T., PH.D. (Biochemistry).
WHEELWRIGHT, PHILIP E., PH.D. (Philosophy).
WILD, ROBERT L., PH.D. (Physics).
ZENTMYER, GEORGE A., Jr., PH.D. (Plant Pathology).

Davis Campus

Established 1905

Chancellor: EMIL M. MRAK, PH.D.
Vice-Chancellor: EVERETT CARTER, PH.D.
Registrar: HOWARD B. SHONTZ, B.S.
Librarian: J. RICHARD BLANCHARD, M.S.

Number of students: 4,065.

DEANS:

Students: WILLIAM C. WEIR, PH.D.
College of Agriculture: FRED N. BRIGGS, PH.D.
School of Veterinary Medicine: WILLIAM R. PRITCHARD, D.V.M., PH.D., J.D.
College of Letters and Science: HERBERT A. YOUNG, PH.D.
Dean, Graduate Division: BYRON R. HOUSTON, PH.D.
Dean, Engineering: ROY BAINER, M.S.

PROFESSORS:

Agricultural Economics:
DE LOACH, DANIEL B., PH.D.
FRENCH, B. C., PH.D.
HEDGES, TRIMBLE R., PH.D.
MCCORKLE, CHESTER O., Jr., PH.D.
TINLEY, JAMES M., PH.D.
VOORHIES, EDWIN C., B.SC.

Agricultural Engineering:
AKESSON, NORMAN B., M.SC.
BAINER, ROY, M.S.
HENDERSON, S. MILTON, M.S.
KELLY, CLARENCE F., M.S.
KEPNER, ROBERT A., B.S.
LORENZEN, COBY, Jr., M.S.
NEUBAUER, L. W., PH.D.
POWERS, JOHN B., PH.D.

Agronomy:
ADDICOTT, FREDERICK T., PH.D.
ALLARD, ROBERT W., PH.D.
BRIGGS, FRED N., PH.D.
KNOWLES, PAULDEN F., PH.D.
LAUDE, HORTON M., PH.D.
LOVE, R. MERTON, PH.D.
MIKKELSON, D. S., PH.D.
PETERSON, MAURICE L., PH.D.
SCHALLER, CHARLES W., PH.D
SMITH, FRANCIS L., PH.D.
STANFORD, ERNEST H., PH.D.
ZSCHEILE, FREDERICK P., Jr., PH.D.

Animal Husbandry:
COLE, HAROLD H., PH.D.
CUPPS, PERRY T., PH.D.
GREGORY, PAUL W., SC.D., PH.D.
HEITMAN, HUBERT, Jr., PH.D.
LOFGREEN, GLEN P., PH.D.
MEYER, J. H., PH.D.
WEIR, W. C., PH.D.

Anthropology and Geography:
OLMSTEAD, DAVID L., PH.D.

Art:
NELSON, RICHARD L., M.A.

Bacteriology:
HUNGATE, ROBERT E., PH.D.
MARR, A. G., PH.D.
STARR, MORTIMER P., PH.D.

Biochemistry and Biophysics:
CONN, E. E., PH.D.
STUMPF, PAUL KARL, PH.D.

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Botany:
CRAFTS, ALDEN S., PH.D.
CURRIER, HERBERT B., PH.D.
GIFFORD, E. M., PH.D.
STOCKING, CLIFFORD R., PH.D.
TUCKER, J. M., PH.D.
WEIER, T. ELLIOT, PH.D.

Chemistry:
ALLEN, T. L., PH.D.
ANDREWS, LAWRENCE J., PH.D.
BRINTON, ROBERT K., PH.D.
KEEFER, R. M., PH.D.
KEPNER, RICHARD E., PH.D.
PAINTER, EDGAR P., PH.D.
REIBER, HAROLD G., PH.D.
VOLMAN, DAVID H., PH.D.
YOUNG, HERBERT A., PH.D.

Agricultural Education:
SUTHERLAND, S. S., M.S.

English:
CARTER, E., PH.D.
FISHMAN, SOLOMON, PH.D.
NEEDHAM, GWENDOLYN B., PH.D.
O'CONNOR, WILLIAM V., PH.D.
VAN NORDEN, LINDA, PH.D.
WEBER, B., PH.D.
WRIGHT, CELESTE T., PH.D. (English).

Entomology and Parasitology:
BACON, O. G., PH.D.
BAILEY, STANLEY F., PH.D. (Entomology).
BOHART, RICHARD M., PH.D.
LAIDLAW, HARRY H., JR., PH.D.
LANGE, WILLIAM H., JR., PH.D.
SMITH, LESLIE M., PH.D. (Entomology).
STAFFORD, EUGENE M., PH.D.
SUMMERS, FRANCIS M., PH.D.

Food Science and Technology:
CHICHESTER, C. O., PH.D.
DUNKLEY, WALTER L., PH.D.
FEENEY, ROBERT E., PH.D.
JACK, EUGENE L., PH.D.
MARSH, GEORGE L., M.S.
MRAK, EMIL M., PH.D.
PHAFF, HERMAN JAN, PH.D.
SMITH, JOE M., SC.D.
STERLING, CLARENCE, PH.D.
STEWART, GEORGE F., PH.D.
TAPPEL, A. L., PH.D.
TARASSUK, NIKITA P., PH.D.
VAUGHN, REESE H., PH.D.

Foreign Languages:
PUKNAT, SIEGFRIED B., PH.D. (German).

Genetics:
FRASER, A. S., PH.D.
GREEN, MELVIN M., PH.D.
STEBBINS, G. LEDYARD, PH.D.

History:
JACKSON, W. TURRENTINE, PH.D.
O'BRIEN, CARL B., PH.D.
SHIDELER, JAMES H., PH.D.
WOODFILL, WALTER L., PH.D.

Home Economics:
EVERSON, GLADYS J., PH.D.
PAUL, PAULINE C., PH.D.

Irrigation:
DONEEN, LLOYD D., PH.D.
HAGAN, ROBERT M., PH.D.
LUTHIN, JAMES N., PH.D.
SCOTT, V. H., PH.D.

Mathematics:
BAKER, GEORGE A., PH.D.
FULTON, DURTIS M., PH.D.
HAYES, CHARLES A., JR., PH.D.
ROESSLER, EDWARD B., PH.D.

Military Science and Tactics:
YODER, DONN W., B.S.

Nematology:
ALLEN, MERLIN W., PH.D.
RASKI, DEWEY J., PH.D.

Physical Education:
KOVACIC, CHARLES R., ED.D.

Philosophy:
CHILD, ARTHUR, PH.D.

Physics:
BEARD, DAVID B., PH.D.
GARDNER, MILTON E., PH.D.
JUNGERMAN, JOHN A., PH.D.
PATTEN, CHARLES G., PH.D.

Plant Pathology:
ENGLISH, WILLIAM H., PH.D.
GROGAN, RAYMOND G., PH.D.
HEWITT, WILLIAM B., PH.D.
HOUSTON, B. R., PH.D.
LEACH, LYSLE D., PH.D.
NYLAND, G., PH.D.
WILSON, EDWARD E., PH.D.

Political Science:
JACOBS, C. E., PH.D.
PURYEAR, VERNON J., PH.D.

Pomology:
BRINGHURST, R., PH.D.
BROOKS, REID M., PH.D.
BROWN, DILLON S., PH.D.
CLAYPOOL, LAWRENCE L., PH.D.
CRANE, JULIAN C., PH.D.
GRIGGS, WILLIAM H., PH.D.
HANSEN, CARL J., M.S.
HARTMANN, HUDSON T., PH.D.
HESSE, CLARON O., PH.D.

Poultry Husbandry:
ASMUNDSON, VIGFUS S., PH.D.
GRAU, CHARLES R., PH.D.
HILL, FREDERICK W., PH.D.
KRATZER, FRANK H., PH.D.
LORENZ, FREDERICK W., PH.D.
SMITH, A. H., PH.D.
WILSON, WILBOR O., PH.D.

Sociology:
LEMERT, EDWIN M., PH.D.

Soils and Plant Nutrition:
ALDRICH, D. G., JR., PH.D.
BROADBENT, FRANCIS E., PH.D.
DAVIS, LANNES E., PH.D. (Soils).
HARRADINE, FRANK F., PH.D.
RENDIG, V., PH.D.

Soil Science: Kearney Foundation:
DELWICHE, CONSTANT C., PH.D.
STOUT, PERRY R., PH.D.

Vegetable Crops:
DAVIS, GLEN N., PH.D.
HARRINGTON, JAMES F., PH.D.
KNOTT, JAMES E., PH.D., SC.D.
MACGILLIVRAY, JOHN H., PH.D.
MANN, LOUIS K., PH.D.
MORRIS, LEONARD L., PH.D.
PRATT, H. K., PH.D.
RICK, CHARLES M., JR., PH.D.
SMITH, PAUL G., PH.D.

Veterinary Medicine:
ADLER, HENRY E., PH.D. (Avian Medicine).
BANKOWSKI, RAYMOND A., D.V.M. (Avian Medicine).
BLACK, ARTHUR L., PH.D. (Physiological Sciences).
CAMERON, HUGH S., D.V.M., PH.D. (Microbiology).
CELLO, R. M., D.V.M.
CHRISTENSEN, JOHN F., D.V.M., PH.D.
CORDY, DONALD R., D.V.M., PH.D. (Pathology).
DOUGLAS, JAMES R., PH.D. (Microbiology).
HOLM, LOUIS W., PH.D. (Physiological Sciences).
JASPER, DONALD E., D.V.M., PH.D. (Veterinary Medicine).
JULIAN, LOGAN M., PH.D. (Anatomy).
KENDRICK, J. W., D.V.M.
MCKERCHER, DELBERT G., PH.D. (Microbiology).

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OSEBOLD, J. W., D.V.M., PH.D.
PEOPLES, STUART A., M.D. (Comparative Pharmacology).
PRITCHARD, W. R., D.V.M., PH.D., J.D.
SCHALM, D.V.M., PH.D. (Clinical Pathology).
SCHMIDT, L. H., PH.D.
STORMONT, CLYDE N., PH.D. (Microbiology).
WHEAT, JOHN D., D.V.M.

Viticulture and Enology:
AMERINE, MAYNARD A., PH.D. (Enology).
BERG, HAROLD W., M.S.
GUYMON, JAMES F., PH.D.
OLMO, HAROLD P., PH.D. (Viticulture).
WEAVER, ROBERT J., PH.D.
WEBB, ALBERT D., PH.D.

Zoology:
HILDEBRAND, M., PH.D.
JAMESON, E. W., PH.D.
MILLER, MILTON A., PH.D.
ROSENBERG, LAUREN E., PH.D.

Los Angeles Campus

Established 1919

Chancellor: FRANKLIN D. MURPHY, M.D.
Vice-Chancellor: FOSTER H. SHERWOOD, PH.D.
Librarian: ROBERT G. VOSPER, M.A.
Registrar: WILLIAM THOMAS PUCKETT, Jr., PH.D.
Foreign Student Adviser: JOAQUIN HERNANDAZ, A.B.

Number of students: 18,840.

DEANS:

College of Agriculture: SIDNEY H. CAMERON, PH.D.
College of Letters and Science: FRANKLIN P. ROLFE, PH.D.
College of Engineering: LLEWELLYN M. K. BOELTER, M.S.
College of Fine Arts: WILLIAM F. MELNITZ.
School of Business Administration: NEIL H. JACOBY, PH.D., LL.D.
School of Dentistry: REIDAR F. SOGNNAES, PH.D., D.N.D.
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CROW, JOHN A., PH.D. (Spanish).
ENGLEKIRK, JOHN E., PH.D.
FOGELQUIST, D. F., PH.D.
ROBE, S. L., PH.D.
ZEITLIN, MARION ALBERT, PH.D. (Spanish).

Speech:
ANDERSEN, M. P., PH.D.
LEWIS, W., PH.D.

Theatre Arts:
BOYLE, WALDEN P., PH.D.
FREUD, RALPH.
HEARN, GUY E., M.A.
KINGSON, WALTER, ED.D.
MELNITZ, WILLIAM W., PH.D.
SAVAGE, GEORGE M., PH.D.
SELDEN, SAMUEL, A.B.

Zoology:
BALL, GORDON H., PH.D.
BARTHOLOMEW, GEORGE A., PH.D.
BELKIN, JOHN N., PH.D.
BULLOCK, THEODORE H., PH.D.
CRESCITELLI, FREDERICK, PH.D.
FURGASON, WALDO H., PH.D.
JAHN, THEODORE L., PH.D.
ROBERTS, CLARA, M.S., PH.D.
SJÖSTRAND, FRITIOF S., PH.D.
WALKER, B. W., PH.D.

San Francisco Campus

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Vice-Provost: WILLARD C. FLEMING, D.D.S., D.SC.
Recorder: Mrs. M. HELEN CHRYST.

Number of students: 1,948.

DEANS:

School of Dentistry: WILLARD C. FLEMING, D.D.S., D.SC.
School of Pharmacy: TROY C. DANIELS, PH.D.
School of Medicine: JOHN B. DE C. M. SAUNDERS, M.B., CH.B., F.R.C.S.
School of Nursing: HELEN E. NAHM, PH.D.
Students: ADRIENNE P. APPLEGARTH, PH.D., M.D.

PROFESSORS:

School of Dentistry:
FLEMING, WILLARD C., D.D.S., D.SC. (Operative Dentistry).
GRIMM, DAVID H., D.D.S., M.S. (Oral Surgery).
HUGHES, GEORGE A., D.D.S. (Denture Prosthesis).
REGLI CARL, D.D.S. (Denture Prosthesis).
RULE, ROBERT W., Jr., D.D.S. (Operative Dentistry)
STRAIN, JEROME C., D.D.S.

School of Pharmacy:
BROCHMANN-HANSSEN, EINAR, PH.D. (Pharmaceutical Chemistry).
BRODIE, DONALD C., PH.D.

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CRAIG, JOHN C., D.SC., PH.D.
DANIELS, TROY C., PH.D. (Pharmaceutical Chemistry).
EILER, JOHN J., JR., PH.D. (Pharmacy and Biochemistry).
GOYAN, FRANK M., PH.D. (Chemistry and Pharmaceutical Chemistry).
JORGENSON, E. C., PH.D.
KUMLER, WARREN D., PH.D. (Chemistry and Pharmaceutical Chemistry).
ONETO, JOHN F., PH.D. (Pharmaceutical Chemistry and Pharmacy).
PRATT, ROBERTSON, PH.D. (Pharmacognosy and Antibiotics).
RIEGELMAN, SIDNEY, PH.D. (Pharmaceutical Chemistry).
STRAIT, LOUIS A., PH.D. (Biophysics).
TUCK, L. D., PH.D.
WAY, EDWARD L., PH.D. (Pharmacology and Toxicology).

School of Medicine:
AIRD, ROBERT B., M.D. (Neurology).
AUDY, JACK R., M.D. (Tropical Medicine and Human Ecology).
BENNETT, LESLIE L., PH.D., M.D. (Biology).
BOLDREY, EDWIN B., M.D., M.SC. (Neurological Surgery).
BOSTICK, WARREN L., M.D. (Pathology).
BRAINERD, HENRY D., M.D. (Clinical Medicine).
BROWN, ELLEN, M.D. (Medicine).
BUSCHKE, FRANZ, M.D. (Radiology).
COMROE, JULIUS H., M.D. (Physiology).
CREDE, ROBERT H., M.D. (Medicine).
CROCKER, THOMAS T., M.D. (Medicine).
CULLEN, STUART C., M.D. (Anesthesia).
DEAMER, WILLIAM C., M.D. (Pediatrics).
EDELMAN, ISIDORE S., M.D. (Medicine).
EILER, J. J., JR., PH.D. (Biochemistry and Pharmacy).
FEATHERSTONE, ROBERT M., PH.D. (Pharmacology).
FORSHAM, PETER H., M.D. (Medicine and Pediatrics).
GOLDMAN, LEON, M.D. (Surgery).
GREENBERG, LOUIS D., PH.D. (Pathology).
HARPER, HAROLD A., PH.D. (Biochemistry; Surgery).
HARRIS, ROBERT E., PH.D. (Psychiatry).
HOGAN, MICHAEL J., M.D. (Ophthalmology).
HOPPER, JAMES M., JR., M.D. (Medicine).
INMAN, VERNE T., PH.D., M.D. (Orthopædic Surgery).
JAWETZ, ERNEST, PH D., M.D (Microbiology).
KIMURA, SAMUEL J., M.D. (Ophthalmology).
LIBET, BENJAMIN, PH.D. (Physiology).
LI, CHOH HAO, PH.D. (Experimental Endocrinology).
LINDSAY, STUART, M.D. (Pathology).
LONG, ARTHUR P., DR.PH. (Medicine).
LUCIA, SALVATORE P., M.D., SC.D. (Medicine).
LYONS, WILLIAM R., PH.D. (Anatomy).
MACRAE, DONALD, M.D. (Neurology).
MCCORKLE, HORACE J., M.D. (Surgery).
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MILLER, MALCOLM R., PH.D., M.D. (Anatomy).
MONIE, IAN W., M.B., CH.B. (Anatomy).
MOON, HENRY D., M.D. (Pathology).
MORALES, MANUEL F., PH.D. (Biochemistry).
OVERSTREET, EDMUND W., M.D. (Obstetrics and Gynæcology).
PAGE, ERNEST W., M.D. (Obstetrics and Gynæcology).
REINHARDT, WILLIAM O., M.D. (Anatomy).
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SHAW, EDWARD B., M.D. (Pediatrics).
SIMON, ALEXANDER, M.D. (Psychiatry).
SOKOLOW, MAURICE, M.D. (Medicine).
SOOY, FRANCIS A., M.D. (Surgery).
STANLEY, WENDELL M., PH.D., SC.D., LL.D. (Biochemistry).
STEINBACH, HOWARD L., M.D. (Radiology).
SZUREK, STANISLAUS A., M.D. (Psychiatry).
TARVER, HAROLD PH.D. (Biochemistry).
THYGESON, PHILLIPS, M.D. (Ophthalmology).
WOOD, DAVID A., M.D. (Pathology).

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INGMIRE, A. E., ED.D.
NAHM, H. E., PH.D.
STRAUSS, A. L., PH.D.

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Institute for Cardiovascular Research.
Director: JULIUS H. COMROE, JR., M.D.

Hooper Foundation.
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Francis I. Proctor Foundation.
Director: PHILLIPS THYGESON, M.D.

Lick Observatory, Mt. Hamilton
Became part of the University, 1888
Director: ALBERT E. WHITFORD, PL.D.
Librarian: CONSTANCE M. WATSON.

AFFILIATED SCHOOL:
Hastings College of the Law: San Francisco.
Dean: (Vacant).
Number of students: 856.

CAPITAL UNIVERSITY
COLUMBUS, OHIO
Telephone: BELmont 5-8611
Founded 1850.
A Lutheran foundation.

President: HAROLD LELAND YOCHUM, A.M., D.D.
Vice-President in Charge of Academic Affairs: FRANK H. BRETZ.
Registrar: FRANCES QUINLIN.
Librarian: DOROTHEA CONRAD.
Dean of the Faculty: WALDEMAR OSWALD DOESCHER, A.M., PH.D.
Music: GENE TAYLOR.

The library contains 90,560 volumes.
Number of teachers: 103.
Number of students: 698 men, 694 women, total 1,392.
Publications: *Chimes* (newspaper), *Capitalian* (yearbook).

THE CATHOLIC UNIVERSITY OF AMERICA
WASHINGTON 17, D.C.
Telephone: Laurance 9-6000.
Incorporated 1887. Chartered by Pope Leo XIII 1889.

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Vice-Rector: Rt. Rev. JOSEPH B. MCALLISTER, PH.D.
Assistant Treasurer: Rt. Rev. JAMES A. MAGNER, PH.D., S.T.D.
Secretary-General: GEORGE D. ROCK, PH.D.
Registrar and Director of Admissions: CATHERINE R. RICH, A.B.I., LL.D., LITT.D.
Librarian: EUGENE P. WILLGING, A.B., M.A.L.S., LL.D.

Number of teachers: 448.
Number of students: 3,244 men, 1,862 women, total 5,106.
Publications: *Bulletin* (bi-monthly; circ. over 30 000), *Educational Review* (monthly except July and August), *The Catholic Historical Review* (f. 1915; quarterly), *The American Ecclesiastical Review* (monthly).

DEANS:
Graduate School of Arts and Sciences: JAMES P. O'CONNOR, B.S., M.A., PH.D.
College of Arts and Sciences: Rt. Rev. JAMES M. CAMPBELL, PH.D.
School of Canon Law: Rt. Rev. CLEMENT V. BASTNAGEL, S.T.L., J.U.D.
School of Engineering and Architecture: DONALD E. MARLOWE, M.S.E., P.E.
School of Law: VERNON X. MILLER, LL.B., J.S.D.
School of Nursing: Sister CHARLES MARIE FRANK, C.C.V.I., R.N., M.S.

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School of Philosophy: Rt. Rev. JOHN K. RYAN, PH.D.
School of Sacred Theology: Rev. WALTER JOHN SCHMITZ, M.A., S.T.D.
National Catholic School of Social Service: FREDERICK J. FERRIS, M.S.W.

UNIVERSITY OF CHATTANOOGA

CHATTANOOGA, TENNESSEE
Telephone: 226-0124
Founded 1886

President: LEROY A. MARTIN.
Comptroller: ROBERT W. FENIX.
Provost: AUGUST W. EBERLE.
Librarian: ALBERT HALL BOWMAN.

Number of teachers: 139, including 29 professors.
Number of students: 1,615 men, 948 women, total 2,563.
Publication: *Bulletin.*

DEANS:

School of Arts and Sciences: JAMES W. LIVINGOOD.
School of Applied Arts: AUGUST W. EBERLE.
Conservatory of Music: HAROLD J. CADEK.
Evening College: GLENN LE ROY BUSHEY.
Students: REUBEN W. HOLLAND.

THE UNIVERSITY OF CHICAGO

CHICAGO 37, ILLINOIS
Telephone: MIdway 3-0800

Incorporated in 1857 as the first University of Chicago, and in 1890 as the University of Chicago (at the present site).

President: GEORGE W. BEADLE, PH.D.
Provost: EDWARD H. LEVI.
Vice-President for Administration: RAY E. BROWN.
Vice-President for Special Projects: WILLIAM B. HARRELL, A.B., M.B.A.
Vice-President: LOWELL T. GOGGESHALL, A.M., M.D., LL.D.
Vice-President in charge of Special Scientific Programmes: WARREN C. JOHNSON, PH.D.
Assistant to the Provost and Academic Budget Officer: LEONARD K. OLSEN.
Assistant to the President: JAMES M. SHELDON, Jr.
Treasurer: J. PARKER HALL, PH.B., M.B.A.
Bursar: A. WAYNE GIESEMAN.
Registrar: WILLIAM J. VAN CLEVE, ED.M.
Comptroller: DONALD L. CARTLAND, C.P.A.
Director of University Admissions and Aid: CHARLES D. O'CONNELL, Jr.

Library: *see* Libraries.
Number of teachers: 930.
Number of students (Spring 1963): 7,590.

DEANS:

The College: ALAN SIMPSON, A.M., PH.D.
School of Business: GEORGE P. SHULTZ, A.B., PH.D.
Divinity School: JERALD C. BRAUER, PH.D., D.D., LL.D.
Graduate Library School: DON R. SWANSON.
Law School: PHIL NEAL.
School of Medicine: H. STANLEY BENNETT, PH.D.
School of Social Service Administration: ALTON LINFORD, PH.D.
Graduate School of Education: FRANCIS S. CHASE, PH.D.
Students: WARNER A. WICK, PH.D.
Biological Sciences: H. STANLEY BENNETT, PH.D.
Humanities: ROBERT E. STREETER, PH.D.
Physical Sciences: A. ADRIAN ALBERT, PH.D.
Social Sciences: D. GALE JOHNSON, PH.D.

DIRECTORS OF DIVISIONS:

Public Relations: CARL LARSEN.
Oriental Institute: ROBERT ADAMS.
University Press, Publications Department: ROGER W. SHUGG, PH.D.
University Libraries: HERMAN H. FUSSLER, PH.D.

PROFESSORS:

ABBOTT, NABIA, PH.D. (Oriental Institute).
ADAMS, WILLIAM E., S.B., M.D. (Surgery).
ADAMS, WRIGHT, S.B., M.D. (Medicine).
ALBERT, A. ADRIAN, PH.D. (Mathematics).
ALDRICH, C. KNIGHT, A.B., M.D. (Psychiatry).
ALLISON, SAMUEL K., PH.D. (Physics, Nuclear Studies).
ALVING, ALF S., S.B., M.D. (Medicine).
ANDERS, EDWARD, PH.D. (Chemistry).
ANDERSON, C. ARNOLD, PH.D. (Education).
ANDERSON, HERBERT L., PH.D. (Physics, Nuclear Studies).
ANKER, HERBERT S., M.D., PH.D. (Biochemistry).
BAKAN, DAVID, PH.D. (College and Psychology).
BAKER, WILLIAM K., PH.D. (Zoology).
BALD, R. CECIL, PH.D. (English).
BALLWEBBER, EDITH, A.M. (Physical Education).
BARRETT, CHARLES S., PH.D. (Metals).
BAY, EMMET B., S.B., M.D. (Medicine).
BEADLE, GEORGE W., PH.D. (Biological Sciences).
BEAVER, R. PIERCE, PH.D. (Divinity).
BENNETT, H. STANLEY, PH.D. (Anatomy and Biophysics).
BETTELHEIM, BRUNO, PH.D. (Psychology).
BLAIR, WALTER, PH.D. (English).
BLOOM, BENJAMIN S., PH.D. (Education).
BLOOM, WILLIAM, M.D. (Anatomy).
BLUM, WALTER J., J.D. (Law).
BOBRINSKOY, GEORGE V. (Linguistics).
BOGORAD, LAWRENCE, PH.D. (Botany).
BOGUE, DONALD J., PH.D. (Sociology).
BOND, DONALD F., PH.D. (English).
BOORSTIN, DANIEL J., J.S.D. (History).
BOWMAN, RAYMOND A., PH.D. (Oriental Languages and Civilization).
BRAIDWOOD, ROBERT J., PH.D. (Oriental Institute; Anthropology).
BRAUER, JERALD C., PH.D., D.D., LL.D. (Divinity School).
BREUL, FRANK R., PH.D. (Social Service Administration).
BROWN, RAY E., M.B.A. (Business).
BROWN, WELDON G., PH.D. (Chemistry).
BROZEN, YALE, PH.D. (Business).
BRUÈRE, RICHARD, PH.D. (Classics).
BRUES, AUSTIN M., A.B., M.D. (Medicine).
BUCHANAN, DOUGLAS N., M.A., B.SC., M.B., CH.B. (Pediatrics).
BURNS, NORMAN, PH.D. (Education).
BURNS, ROBERT K., PH.D. (Industrial Relations).
BURROWS, WILLIAM, PH.D. (Microbiology).
BUTLER, JOHN M., PH.D. (Psychology).
BYERS, HORACE R., SC.D. (Meteorology).
CALDERON, ALBERTO P., PH.D. (Mathematics).
CALEF, WESLEY C., PH.D. (Geography).
CAMPBELL, ROALD F., ED.D. (Education).
CARNOVSKY, LEON, PH.D. (Library Science).
CARPENDER, JAMES W. J., A.B., M.D. (Radiology).
CASSELS, DONALD E., M.D. (Pedriatics).
CATE, JAMES, PH.D. (History).
CEITHAML, JOSEPH J., PH.D. (Biochemistry).
CHAMBERLAIN, JOSEPH W., PH.D. (Astronomy).
CHANDRASEKHAR, S., PH.D., SC.D. (Astronomy; Nuclear Studies).
CHASE, FRANCIS S., PH.D. (Education).
COGGESHALL, LOWELL T., A.M., M.D., LL.D. (Medicine).
COHEN, MORREL H., PH.D. (Physics).
COOLIDGE, THOMAS B., PH.D. (Biochemistry).
COOPER, GROSVENOR W., PH.D. (Music).
COROMINAS, JOHN, DR. en FIL. Y LET. (Romance Languages).
COWEN, DENNIS V., LL.B. (Law).
CREEL, HERRLEE G., PH.D. (Oriental Languages).
DACK, GAIL M., PH.D., M.D. (Microbiology).
DALITZ, RICHARD H., PH.D. (Physics; Nuclear Studies).
DAVIDSON, SIDNEY, PH.D. (Business).
DAVIS, ALLISON, PH.D. (Education).
DAVIS, KENNETH C., LL.B. (Law).
DAVIS, M. EDWARD, M.D. (Obstetrics and Gynæcology).
DE BRUYN, P. P. H., M.D. (Anatomy).
DELOUGAZ, PINHAS, PH.D. (Oriental Institute).
DIRECTOR, AARON, PH.B. (Law).
DORFMAN, ALBERT, M.D. (Pediatrics).
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DUBOIS, KENNETH P., PH.D. (Pharmacology).

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EDWARDS, CORWIN D., J.B., LITT.B., PH.D. (Business).
EGGAN, FRED, PH.D. (Anthropology).
EICHELBERGER, LILLIAN, PH.D. (Biochemistry, Surgery).
EINARSON, BENEDICT, PH.D. (Classics).
ELIADE, MIRCEA, M.A., PH.D. (Divinity School).
EMERSON, ALFRED E., PH.D. (Zoology).
EVANS, EARL A., Jr., PH.D. (Biochemistry).
EVANS, JOSEPH P., PH.D., M.D. (Surgery).
FERGUSON, DONALD J., PH.D., M.D. (Surgery).
FINER, HERMAN, SC.D. (Political Science).
FISKE, DONALD W., PH.D. (Psychology).
FRANKLIN, JOHN HOPE, PH.D. (History).
FRANZÉN, GÖSTA, PH.D. (Germanic Languages).
FREEDMAN, LAWRENCE Z., M.D. (Psychiatry).
FRIEDMAN, ARTHUR, PH.D. (English).
FRIEDMAN, MILTON, PH.D. (Economics).
FULTZ, DAVE, PH.D. (Meteorology).
FUSSLER, HERMAN H., PH.D. (Library Science).
GAMER, HELENA M., PH.D. (Germanic Languages).
GARBER, EDWARD D., PH.D. (Botany).
GELB, IGNACE J., PH.D. (Oriental Institute; Linguistics).
GERSH, ISIDORE, PH.D. (Anatomy).
GETZELS, JACOB W., PH.D. (Education).
GEWIRTH, ALAN, PH.D. (Philosophy).
GIESECKE, GUSTAV E., PH.D. (Education).
GINSBURG, BENSON E., PH.D. (College).
GINSBURG, NORTON S., PH.D. (Geography).
GLEISER, FERN W., M.S. (Business).
GOLDSMITH, JULIAN R., PH.D. (Geology).
GOMER, ROBERT, PH.D. (Chemistry).
GOODMAN, LEO A., PH.D. (Statistics; Sociology).
GOTTSCHALK, LOUIS, PH.D. (History).
GRANT, ROBERT M., TH.D. (Divinity School).
GRODZINS, MORTON M., PH.D. (Political Science).
GÜTERBOCK, HANS J., PH.D. Oriental Languages).
HALPERIN, S. WILLIAM, PH.D. (History).
HALPERN, JACK, PH.D. (Chemistry).
HALSTEAD, WARD C., A.M., PH.D. (Medicine; Psychology).
HAMILTON, EARL J., PH.D. (Economics).
HANKE, MARTIN E., PH.D. (Biochemistry).
HARBERGER, ARNOLD C., PH.D. (Economics).
HAROUTUNIAN, JOSEPH, PH.D., D.D. (Divinity School).
HARPER, PAUL V., M.D. (Surgery).
HARRIS, ABRAM L., PH.D., LL.D. (College).
HARRIS, CHAUNCY D., M.A., PH.D. (Geography).
HARRISON, R. WENDELL, PH.D., SC.D. (Microbiology).
HARTUNG, MAURICE L., PH.D. (Education).
HASS, WALTER L., ED.M. (Physical Education).
HASTERLIK, ROBERT J., M.D. (Medicine).
HAUSER, PHILIP M., PH.D. (Sociology).
HAVIGHURST, ROBERT J., PH.D. (Education).
HAYEK, FREDERICK A., J.S.D., DR.RER.POL., D.SC. (Social Thought).
HAYES, ALBERT M., PH.D. (College).
HENRY, WILLIAM E., PH.D. (Psychology).
HESS, ECKHARD H., PH.D. (Psychology).
HESS, ROBERT D., PH.D. (Human Development).
HESSELTINE, HENRY C., S.M., M.D. (Obstetrics and Gynæcology).
HILDERBRAND, ROGER H., PH.D. (Physics and Nuclear Studies).
HILL, KNOX CALVIN, PH.D. (Philosophy).
HILTNER, W. ALBERT, PH.D. (Astronomy).
HOLADAY, DUNCAN, M.D. (Anesthesia).
HOSELITZ, BURT F., A.M., DR. JUR. (Social Sciences).
HOULE, CYRIL O., PH.D. (Education).
HUGGINS, CHARLES B., S.M., M.D., SC.D. (Surgery).
HUGHES, GEORGE R., PH.D. (Oriental Institute).
HUNT, HOWARD, PH.D. (Psychology).
HUTCHENS, JOHN O., PH.D. (Physiology).
HUTCHISON, CLYDE A., PH.D. (Nuclear Studies; Chemistry).
INGHRAM, MARK G., PH.D. (Physics).
INGLE, DWIGHT J., PH.D. (Physiology).
JACOBSEN, THORKILD, PH.D. (Oriental Institute).
JACOBSON, LEON O., S.B., M.D. (Medicine).
JANOWITZ, MORRIS, PH.D. (Sociology).
JENKINS, HILGER P., M.D. (Surgery).
JENSON, ELWOOD V., PH.D. (Biological Sciences).
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JOHNSON, D. GALE, PH.D. (Economics).
JOHNSON, HARRY G., A.M. (Economics).
JOHNSON, WALTER, PH.D. (History).
JOHNSON, WARREN C., PH.D. (Chemistry).
JONES, HARRY W., A.B., LL.B., LL.M. (Law).
JONES, HOWARD, A.B., C.P.A. (Business).
KALVEN, HARRY, Jr., A.B., J.D. (Law).
KAPLAN, STANLEY A., PH.B., J.D., LL.M. (Law).
KAPLANSKY, IRVING, PH.D. (Mathematics).
KATZENBACH, NICHOLAS, A.B., LL.B. (Law).
KENYON, ALLAN T., PH.D., M.D. (Medicine).
KETCHUM, MARSHALL D., PH.D. (Business).
KILBRIDGE, MAURICE, PH.D. (Business).
KIRSNER, JOSEPH B., PH.D., M.D. (Medicine).
KLEIN, BERTHA A., M.D. (Ophthalmology).
KLEPPA, OLE J., DR.TECHM. (Chemistry).
KLÜVER, HEINRICH, PH.D. (Psychology).
KOLB, GWIN, PH.D. (English).
KOZLOFF, LLOYD M., PH.D. (Biochemistry).
KRACKE, EDWARD A., PH.D. (Oriental Languages and Civilizations).
KRAELING, CARL H., DR.THEOL., PH.D. (Oriental Institute).
KRAHL, MAURICE E., PH.D. (Physiology).
KRIEGER, LEONARD, PH.D. (History).
KRUSKAL, WILLIAM H., PH.D. (Statistics).
KURLAND, PHILIP, A.B., LL.B. (Law).
LACH, DONALD F., PH.D. (History).
LANDAHL, HERBERT D., PH.D. (Mathematical Biology).
LANDAU, RICHARD L., M.D. (Medicine).
LEROY, GEORGE V., S.B., M.D. (Medicine).
LEVI, EDWARD H., PH.B., J.D., J.S.D. (Law).
LEWERT, ROBERT M., SC.D. (Microbiology).
LEWIS, H. GREGG, PH.D. (Economics).
LIDDELL, LEON, A.B., B.L.S., LL.B. (Law).
LINDSAY, JOHN R., M.D. (Surgery).
LINFORD, ALTON A., PH.D. (Social Service Administration).
LOOMER, BERNARD M., PH.D. (Divinity School).
LORIE, JAMES H., A.M., PH.D. (Business).
LOWINSKY, EDWARD E., PH.D. (Music).
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ALMY, THOMAS P., A.B., M.D. (Medicine).
ARTUSIO, JOSEPH F., Jr., B.S., M.D. (Anesthesiology in Surgery, Obstetrics and Gynecology).
BAUER, GORAN C. H., M.D. (Surgery).
BAUMGARTNER, LEONA, A.B., M.A., PH.D., M.D. (Public Health, Pediatrics).
BRUNSCHWIG, ALEXANDER, B.A., M.S., M.D. (Surgery).
BURCHENAL, JOSEPH H., M.D. (Medicine).
CARBERRY, MURIEL R., M.S., R.N.
CIPOLLARO, ANTHONY C., B.S., M.D. (Dermatology).
CONWAY, HERBERT, M.B., B.S., M.D., M.S. (Surgery—Plastic).
DEITRICK, JOHN E., B.S., M.D. (Medicine).
DENNEN, EDWARD H., M.D. (Obstetrics and Gynæcology).
DOUGLAS, R. GORDON, M.D., C.M. (Obstetrics and Gynæcology).
DUNNING, HENRY S., A.B., M.D. (Neurology).
DUVIGNEAUD, VINCENT, B.S., M.S., PH.D., SC.D. (Biochemistry).
EICHENWALD, HEINZ F., A.B., M.D. (Pediatrics).
EVANS, JOHN A., B.S., M.D. (Radiology).
FORKNER, CLAUDE E., A.B., M.A., M.D. (Medicine).
FREYBERG, RICHARD H., A.B., M.D., M.S. (Medicine).
GAUSE, RALPH W., A.B., M.D. (Obstetrics and Gynæcology).
GLENN, FRANK, M.D. (Surgery).
GOLD, HARRY, A.B., M.D. (Pharmacology).
HAMILTON, FRANCIS J., A.B., M.D. (Psychiatry).
HELLER, JOHN R., B.S., M.D. (Public Health).
HINSEY, JOSEPH C., B.S., M.S., PH.D., SC.D. (Neuroanatomy).
HOLMAN, CRANSTON, A.B., M.D. (Surgery).
HORSFALL, FRANK L., Jr., B.A., M.D.C.M. (Medicine).
INGRAM, WILLIAM T., A.B., M.P.H. (Public Health Engineering).
KIDD, JOHN G., A.B., M.D. (Pathology).
KILBOURNE, EDWIN D., A.B., M.D. (Public Health).
KRAMER, MILTON L., A.B., M.D. (Medicine).
LEIGHTON, ALEXANDER H., A.B., M.A., M.D. (Psychiatry—Social).
LEWIS, GEORGE M., M.D., L.M.C.C. (Dermatology).
LEY, ALLYN B., A.B., M.D. (Medicine).
LHAMON, WILLIAM T., A.B., M.D. (Psychiatry).
LUCKEY, E. HUGH, B.S., M.D., SC.D. (Medicine).
LYONS, VERONICA, M.A., R.N.
MARSHALL, VICTOR F., M.D. (Surgery—Urology).
MCCRORY, WALLACE W., B.S., M.D. (Pediatrics).
MCDERMOTT, WALSH, A.B., M.D. (Public Health).
MCLANE, CHARLES M., A.B., M.D. (Obstetrics and Gynæcology).
MCLEAN, JOHN M., M.E., M.D. (Surgery—Opthalmology).
MELLORS, ROBERT G., A.B., M.A., PH.D., M.D. (Pathology).
MILHORAT, ADE T., A.B., M.D. (Medicine).
MOORE, JAMES A., B.S., M.D. (Surgery—Otolaryngology).
MOORE, S. W., B.S., M.D. (Surgery).
MUSCHENHEIM, CARL, A.B., M.D. (Medicine).
NATHANSON, JOSEPH N., M.D.C.M. (Obstetrics and Gynæcology).
NICKSON, JAMES J., B.S., M.D. (Radiology).
PATTERSON, ROBERT L., Jr., A.B., M.D. (Surgery—Orthopedics).
PITTS, ROBERT F., B.S., PH.D., M.D. (Psysiology).
PLUM, FRED, B.A., M.D. (Neurology in Medicine).
RANDALL, HENRY T., A.B., M.D., MED.SC.D. (Surgery).
RAWSON, RULON W., M.B., M.D. (Medicine).
RAY, BRONSON S., B.S., M.D. (Surgery—Neurosurgery).
READER, GEORGE G., A.B., M.D. (Medicine).
RIKER, WALTER F., Jr., B.S., M.D. (Pharmacology).
SCHERER, WILLIAM F., M.D. (Microbiology and Immunology).
SHERMAN, ROBERT S., PH.B., M.D. (Radiology).
SMITH, CARL H., B.A., M.A., M.D. (Pediatrics).
SMITH, FRANK R., A.B., M.D. (Obstetrics and Gynæcology).
SMITH, A. B., M.D. (Medicine).
STEIN, MARVIN, B.S., M.D. (Psychiatry).
STRAUB, LEE R., M.D.C.M. (Surgery—Orthopædics).
SWAN, ROY C., A.B., M.D. (Anatomy).
TEMPLE, HAROLD L., B.S., M.D. (Radiology).
THOMPSON, T. CAMPBELL, A.B., M.D., M.SC.D. (Surgery—Orthopædics).
WADE, PRESTON A., A.B., M.D. (Surgery).
WALL, JAMES H., M.D. (Psychiatry).
WATSON, ROBERT F., M.D. (Medicine).
WRIGHT, IRVING S., A.B., M.D. (Medicine).

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Architecture:

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BROWN, LUDLOW D., M.ARCH.
CANFIELD, THOMAS H., B.S. IN ARCH.
DETWEILER, A. HENRY, B.ARCH.
EDMONDSON, FREDERICK W., Jr., B.L.A., F.A.A.R.
HARTELL, JOHN A., B.ARCH.
KELLY, BURNHAM, A.B., LL.B., M.C.P.
WELLS, FREDERICK M., B.ARCH.

Art:

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DALY, NORMAN D., B.F.A., M.A.
EVETT, KENNETH, M.A.
HANSON, JOSEPH M., A.M.C.
HARTELL, JOHN A., B. ARCH.
MAHONEY, JAMES O., A.B., B.F.A., F.A.A.R.

City and Regional Planning:

EDMONDSON, FREDERICK W., Jr., B.L.A., F.A.A.R. (Landscape Architecture).
KELLY, BURNHAM, A.B., LL.B., M.C.P. (Planning).
MACKESEY, THOMAS W., B.ARCH., M.C.P. (Regional Planning).
REPS, JOHN W., A.B., M.R.P. (Regional Planning).

Elected Members of the Faculty:

BEYER, GLENN H., (Housing and Design).
HILLHOUSE, ALBERT M., J.D., PH.D. (Public Administration).
WAAGE, FREDERICK O., PH.D. (History of Art and Archæology).

The College of Arts and Sciences:

ABRAMS, MEYER H., PH.D. (English).
ADAMS, GEORGE P., Jr., PH.D. (Economics).
ADAMS, ROBERT M., PH.D. (English).
ADELMANN, HOWARD B., PH.D. (Histology and Embryology).
AGARD, FREDERICK B., PH.D. (Linguistics).
AGNEW, RALPH P., PH.D., D.SC. (Mathematics).
ALBRIGHT, H. DARKES, PH.D. (Speech and Drama).
ANDERSON, ALFRED L., PH.D. (Geology).
ANDERSON, JOHN M., PH.D. (Zoology).
AUSTIN, WILLIAM W., PH.D. (Music).
BANKS, HARLAN P., PH.D. (Botany).
BARNES, LEROY L., PH.D. (Biophysics).
BAUER, SIMON H., PH.D. (Chemistry).
BERNS, WALTER F., Jr., PH.D. (Government).
BETHE, HANS A., PH.D. (Physics).
BIGGERSTAFF, KNIGHT, PH.D. (Chinese History).
BLACK, MAX, PH.D., D.LIT. (Philosophy). [ture).
BLACKALL, ERIC A., M.A., DR.PHIL., LITT.D. (German Litera-
BLOMQUIST, ALFRED T., PH.D. (Chemistry).
BRIGGS, HERBERT W., PH.D. (International Law).
BROWN, STUART M., Jr., PH.D. (Philosophy).
BRUICE, THOMAS C., PH.D. (Chemistry).
BURFOOT, JAMES D., Jr., PH.D. (Geology).
CAMPBELL, WILLIAM A., M.A. (Music).
CAPLAN, HARRY, PH.D. (Classical Languages and Literatures).
CLARK, M. GARDNER, PH.D. (Industrial and Labour Relations).
CLAUSEN, ROBERT T., PH.D. (Botany).
COLE, LAMONT C., PH.D. (Zoology).
COLE, W. STORRS, PH.D. (Geology).
COOKE, WILLIAM D., PH.D. (Chemistry).
CORSON, DALE R., PH.D. (Physics).
COWAN, J. MILTON, PH.D. (Linguistics).
DAVIS, DAVID B., PH.D. (History).
DEMOREST, JEAN-JACQUES, PH.D. (Romance Literature).
DEWIRE, JOHN W., PH.D. (Physics).
ECHOLS, JOHN M., PH.D. (Linguistics).
EINAUDI, MARIO, DR.JUR. (Government).
ELIAS, ROBERT H., PH.D. (English, American Studies).
ELLEDGE, SCOTT B., PH.D. (English).
FAIRBANKS, GORDON H., PH.D. (Linguistics).
FISCHER, GEORGE, PH.D. (Government).
FOX, EDWARD W., PH.D. (History).
FREEMAN, FRANK S., ED.D. (Psychology).
FRENCH, WALTER H., PH.D. (English).
FUCHS, WOLFGANG H. J., PH.D. (Methematics).
GATES, PAUL W., PH.D. (History).
GEARY, EDWARD J., PH.D. (French).
GIBIAN, GEORGE, PH.D. (Russian Literature).
GIBSON, JAMES J., PH.D. (Psychology).
GILBERT, PERRY W., PH.D. (Zoology).
GOLAY, FRANK H., PH.D. (Economics).
GOLD, THOMAS, M.A. (Astronomy).
GREISEN, KENNETH I., PH.D. (Physics).
GROUT, DONALD J., PH.D. (Music).
GUERLAC, HENRY, PH.D. (History of Science).
HALL, ROBERT A., Jr., LITT.D. (Linguistics).
HARTMAN, PAUL L., PH.D. (Physics).
HATHAWAY, BAXTER, PH.D. (English).
HEALEY, GEORGE H., PH.D. (English).
HERZ, CARL S., PH.D. (Mathematics).

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HOCHBERG, JULIAN E., PH.D. (Psychology).
HOCKETT, CHARLES F., PH.D. (Linguistics and Anthropology).
HOLCOMB, DONALD F., PH.D. (Physics).
HOLMBERG, ALLAN R., PH.D. (Anthropology).
HUNT, GILBERT A., PH.D. (Mathematics).
HUSA, KAREL, Master School Diploma in Composition (Music).
HUTCHINS, JOHN G. B., PH.D. (Business History and Transportation).
HUTTON, JAMES, PH.D. (Classics).
JOHNSON, JOHN R., PH.D. (Chemistry).
JOLLES, O. J. MATTHIJS, PH.D. (German Literature).
KAHIN, GEORGE M., PH.D. (Government).
KAHN, ALFRED E., PH.D. (Economics).
KEAST, WILLIAM R., PH.D. (English).
KIEFER, JACK C., PH.D. (Mathematics).
KIRKPATRICK, JOHN, (Music).
KIRKWOOD, GORDON M., PH.D. (Classics).
KRUMHANSL, JAMES A., PH.D. (Physics).
LAMBERT, WILLIAM W., PH.D. (Psychology, Sociology, Anthropology).
LEIGHTON, ALEXANDER H., M.D. (Sociology, Anthropology).
LEONARD, SAMUEL L., PH.D. (Zoology).
LITTAUER, RAPHAEL M., PH.D. (Physics).
LIU, TA-CHUNG, PH.D. (Economics).
LONG, FRANKLIN A., PH.D. (Chemistry).
MACLEOD, ROBERT B., PH.D. (Psychology).
MALCOLM, NORMAN, PH.D. (Philosophy).
MARCHAM, FREDERICK G., PH.D. (English History).
MASON, JAMES F., PH.D. (Romance Languages and Literatures).
MCCALMON, GEORGE A., PH.D. (Speech and Drama).
MCDANIEL, BOYCE D., PH.D. (Physics).
MCGINNIS, ROBERT, PH.D. (Sociology).
MEINWALD, JERROLD, PH.D. (Chemistry).
MILLER, WILLIAM T., PH.D. (Chemistry).
MINEKA, FRANCIS E., PH.D., LITT.D. (English).
MIZENER, ARTHUR M., PH.D. (English).
MONTGOMERY, ROYAL E., PH.D. (Economics).
MORRISON, GEORGE H., PH.D. (Chemistry).
MORRISON, PHILIP, PH.D. (Physics).
MORSE, CHANDLER, M.A. (Economics).
NETTELS, CURTIS P., PH.D. (American History).
NEWHALL, HERBERT F., PH.D. (Physics).
NOVARR, DAVID, PH.D. (English).
O'LEARY, PAUL M., PH.D. (Economics).
OLUM, PAUL, PH.D. (Mathematics).
OPLER, MORRIS E., PH.D. (Anthropology).
PALMER, ROBERT M., M.M. (Music).
PARKS, HAROLD F., PH.D. (Zoology).
PARRATT, LYMAN G., PH.D. (Physics).
PLANE, ROBERT A., PH.D. (Chemistry).
RABINOWITZ, ISAAC, PH.D. (Biblical and Hebrew Studies).
RICE, EUGENE F., JR., PH.D. (History).
RIDEOUT, BLANCHARD L., PH.D. (Romance Literature).
ROBERTS, JOHN M., PH.D. (Anthropology).
ROBERTS, PAUL M., PH.D. (Linguistics).
ROE, ALBERT S., PH.D. (History of Art).
ROSENBERG, ALEX, PH.D. (Mathematics).
ROSSITER, CLINTON III, PH.D., LL.D., LITT.D., L.H.D. (American Institutions).
RYAN, THOMAS A., PH.D. (Psychology).
SALE, WILLIAM M., JR., PH.D. (English Literature).
SALPETER, EDWIN E., PH.D. (Physics).
SCHERAGA, HAROLD A., PH.D., SC.D. (Chemistry).
SELDEN, RICHARD T., PH.D. (Economics).
SHADICK, HAROLD, M.A. (Chinese Literature).
SHARP, LAURISTON, PH.D. (Anthropology).
SHAW, ROBERT W., PH.D. (Astronomy).
SIENKO, MITCHELL J., PH.D. (Chemistry).
SILVERMAN, ALBERT, PH.D. (Physics).
SIMON, WALTER M., PH.D. (Modern European History).
SKINNER, GEORGE W., PH.D. (Anthropology).
SMITH, PATRICIA C., PH.D. (Psychology).
SMITH, ROBERT J., PH.D. (Anthropology).
SPITZNER, FRANK L., PH.D. (Mathematics).
SPROULL, ROBERT L., PH.D. (Physics).
STAINTON, WALTER H., PH.D. (Speech and Drama).
STREIB, GORDON F., PH.D. (Sociology).
STYCOS, JOSEPH M., PH.D. (Sociology).
TIERNEY, BRIAN, PH.D. (Medieval History).
TOMBOULIAN, DIRAN H., PH.D. (Physics).
TURNER, VICTOR W., PH.D. (Anthropology).
VALLENTYNE, JOHN R. W., PH.D. (Zoology).
VON ENGELN, OSKAR D., PH.D. (Geology).
WAAGE, FREDERICK O., PH.D. (History of Art and Archæology).
WALKER, ROBERT J., PH.D. (Mathematics).
WELLS, JOHN W., PH.D. (Geology).
WIDOM, BENJAMIN, PH.D. (Chemistry).
WILLIAMS, ROBIN M., JR., PH.D. (Sociology).
WILSON, ROBERT R., PH.D. (Physics).
WIMSATT, WILLIAM A., PH.D. (Zoology).
WOLFOWITZ, JACOB, PH.D. (Mathematics).
WOODWARD, WILLIAM M., PH.D. (Physics).

The College of Engineering:

Aerospace Engineering:
RESLER, EDWIN L., JR., B.AERO.E., PH.D.
SEARS, WILLIAM R., B.AERO.E., PH.D.
SHEN, SHAN FU, B.S., SC.D.

Agricultural Engineering:
BOYD, LANDIS L., B.S., M.S., PH.D.
FRENCH, ORVAL C., B.S.A.E., M.S.A.E.
GUNKEL, WELSEY W., B.S., M.S., PH.D.
SHEPARDSON, EDWIN S., B.S., M.S.
SPENCER, JAMES W., B. OF C.E., M.C.E.

Civil Engineering:
BELCHER, DONALD J., B.S.C.E., M.S.E.
BIJLAARD, PAUL P., C.E. (Mechanics)
CHRISTENSEN, NEPHI A., B.S.C.E., M.S.C.E., PH.D.
CONWAY, HARRY D., B.SC., M.A., PH.D.
FISHER, GORDON P., B.E., D.ENG.
GATES, CHARLES D., B.A., M.S.
GEBHARD, JOHN C., C.E.
LEWIS, TAYLOR D., B.S.E., C.E.
LIANG, TA, B.E., M.C.E., PH.D.
MCGUIRE, WILLIAM, B.S. IN C.E., M.C.E.
MCNAIR, ARTHUR J., B.S., M.S., C.E.
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The New York State Veterinary College:
BAKER, DONALD W., B.S.A., D.V.M., PH.D. (Veterinary Parisitology).
BAKER, JAMES A., B.S., M.S., D.V.M., PH.D. (Veterinary Virology)
BENTINCK-SMITH, JOHN, A.B., D.V.M. (Pathology).
BOYER, CLYDEL, JR., V.M.D., M.S. (Poultry Diseases).
BRUNER, DORSEY W., B.S., D.V.M., PH.D. (Veterinary Bacteriology).
COMAR, CYRIL L., B.S., PH.D. (Physical Biology).
DANKS, ARTHER G., B.S., D.V.M. (Veterinary Surgery).
DELAHANTY, DONALD D., D.V.M., M.S. (Veterinary Surgery),
EVANS, HOWARD E., B.S., PH.D. (Veterinary Anatomy).
FABRICANT, JULIUS, B.S., V.M.D., M.S., PH.D. (Poultry Diseases).
FINCHER, MYRON G., D.V.M., M.S. (Veterinary Medicine).
FOX, FRANCIS H., D.V.M. (Veterinary Medicine and Obstetrics).
GASTEIGER, E. L., JR., A.B., M.S., PH.D. (Physical Biology).
GILLESPIE, JAMES H., V.M.D. (Veterinary Bacteriology).
GILMAN, HERBERT L., D.V.M., M.S., PH.D. (Veterinary Bacteriology).
HABEL, ROBERT E., D.V.M., M.SC. M.V.D. (Veterinary Anatomy).
KIRK, ROBERT W., B.S., D.V.M. (Small Animal Medicine).
LEONARD, ELLIS P., B.S., D.V.M. (Small Animal Surgery).
LEVINE, P. PHILIP, B.S., D.V.M., M.S., PH.D. (Poultry Diseases).
MCENTEE, KENNETH, D.V.M. (Veterinary Pathology).
OLAFSON, PETER, D.V.M., M.S. (Veterinary Pathology).
PECKHAM, MALCOLM C., B.S., D.V.M. (Poultry Diseases).
RICHARD, CHARLES G., D.V.M., M.S., PH.D. (Veterinary Pathology).
ROBERTS, STEPHEN J., D.V.M., M.S. (Veterinary Medicine and Obstetrics).
SELLERS, ALVIN F., V.M.D., M.S., PH.D. (Veterinary Physiology).
SHEFFY, BEN E., B.S., M.S., PH.D. (Nutrition).
WHITLOCK, JOHN H., D.V.M., M.S. (Veterinary Parisitology).

The New York State College of Agriculture (at Ithaca campus):
ALBRECTSEN, RAYMOND, M.S. (Animal Husbandry).
ALEXANDER, FRANK D., PH.D. (Extension Service).
ALLAWAY, WILLIAM H., PH.D. (Soil Science).
ASDELL, SYDNEY A., PH.D. (Animal Physiology).
BAKER, ROBERT C., PH.D. (Poultry Husbandry).
BANKS, HARLAN P., PH.D. (Botany).
BARNES, LEROY L., PH.D. (Biophysics).
BARNES, RICHARD H., PH.D. (Biochemistry and Nutrition).
BAUR, ARNOLD J., PH.D. (Soil Technology).

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BERG, CLIFFORD O., PH.D. (Limnology).
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BOYD, LANDIS L., PH.D. (Agricultural Engineering).
BOYNTON, DAMON, PH.D. (Pomology).
BRADY, NYLE C., PH.D. (Soil Science).
BRANN, JAMES L., Jr., PH.D. (Entomology).
BRATTON, CHARLES A., PH.D. (Farm Management).
BRUCKNER, JACOB H., PH.D. (Poultry Husbandry).
BRUNK, MAX E., PH.D. (Marketing).
BURKE, JAMES D., M.S.A. (Animal Husbandry).
CANOYER, HELEN G., PH.D. (Home Economics).
CARTER, HOWARD W., PH.D. (Animal Husbandry).
CLAUSEN, ROBERT T., PH.D. (Botany).
CLINE, MARLIN G., PH.D. (Soil Science).
COLE, RANDALL K., PH.D. (Poultry Husbandry and Animal Genetics).
CONKLIN, HOWARD E., PH.D. (Land Economics).
CORNMAN, JOHN F., PH.D. (Ornamental Horticulture).
CUNNINGHAM, LOWELL C., PH.D. (Farm Management).
DAHLBERG, ARTHUR C., PH.D. (Diary Industry).
DALLYN, STEWART L., PH.D. (Vegetable Crops).
DANIEL, LOUISE J., PH.D. (Biochemistry).
DARRAH, LAWRENCE B., PH.D. (Marketing).
DAWSON, JEFFREY E., PH.D. (Soil Science).
DELWICHE, EUGENE A., PH.D. (Bacteriology).
DEWEY, JAMES E., PH.D. (Insect Toxicology).
DIMOCK, ARTHUR W., PH.D. (Plant Pathology).
DOMINICK, BENNETT A., Jr., PH.D. (Marketing).
DOWNING, LESTER N., D.ED., (Educational Psychology).
DYCE, ELTON J., PH.D. (Apiculture).
EADIE, WILLIAM R., PH.D. (Zoology).
EARLE, WENDELL G., PH.D. (Marketing).
EDGERTON, LOUIS J., PH.D. (Pomology).
ELLIOTT, FRANCIS E., PH.D. (Oceanography).
FEDERER, WALTER T., PH.D. (Biological Statistics).
FERTIG, STANFORD N., PH.D. (Agronomy).
FOSS, EDWARD W., M.S.A. (Agricultural Engineering).
FRANCLEMONT, JOHN G., PH.D. (Entomology).
FRENCH, ORVAL C., M.S. (Agricultural Engineering).
GIBBS, MARTIN, PH.D. (Biochemistry).
GLOCK, MARVIN D., PH.D. (Educational Psychology).
GUNKEL, WESLEY W., PH.D. (Agricultural Engineering).
GYRISCO, GEORGE G., PH.D. (Entomology).
HAMILTON, WILLIAM J., Jr., PH.D. (Zoology).
HANSEL, WILLIAM H., PH.D. (Animal Husbandry).
HARTMAN, JOHN D., PH.D. (Vegetable Crops).
HARTWIG, HERBERT B., PH.D. (Field Crops).
HEDLUND, GLENN W., PH.D. (Business Management).
HENDERSON, CHARLES R., PH.D. (Animal Husbandry).
HERRINGTON, BARBOUR L., PH.D. (Diary Husbandry).
HEWITT, OLIVER H., PH.D. (Wildlife Management).
HILL, CHARLES W., PH.D. (Agricultural Education).
HOFFMAN, MELVIN B., PH.D. (Pomology).
HOLLAND, ROBERT F., PH.D. (Diary Industry).
HUTT, FREDERICK B., PH.D., D.SC. (Animal Genetics).
JENSEN, NEAL F., PH.D. (Plant Breeding).
JOHNSON, MAURITZ, Jr., (Secondary Education).
JOHNSON, PHILIP G., PH.D. (Nature and Science Education).
JORDAN, WILLIAM K., PH.D. (Diary Industry).
KEARL, CHASE D., PH.D. (Farm Management).
KELLOGG, PETER P., PH.D. (Ornithology and Biological Acoustics).
KENT, GEORGE C., PH.D. (Plant Pathology).
KERR, HARRY A., M.S.A. (Soil Conservation).
KNAPP, JAMES S., B.S. (Extension Teaching and Information).
KNAYSI, GEORGES A., PH.D., D.SC. (Bacteriology).
KOLB, JOHN H., PH.D. (Rural Sociology).
KORF, RICHARD P., PH.D. (Plant Pathology).
KOSIKOWSKI, FRANK V., PH.D. (Diary Industry).
KRUKOVSKY, VLADIMIR N., PH.D. (Diary Industry).
LACY, MYRON D., M.S. (Animal Husbandry).
LARSON, OLAF F., PH.D. (Rural Sociology).
LATHWELL, DOUGLAS J., PH.D. (Soil Science).
LAUBENGAYER, ALBERT W., PH.D. (Chemistry).
LEAGANS, JOHN P., PH.D. (Extension Education).
LOOSLI, JOHN K., PH.D. (Animal Husbandry).
LUTZ, EDWARD A., PH.D. (Public Administration).
MACDONALD, HARRY A., PH.D. (Field Crops).
MAI, WILLIAM F., PH.D. (Plant Pathology).
MARBLE, DEAN R., PH.D. (Poultry Husbandry).
MARKWARDT, EVERETT D., M.S.A. (Agricultural Engineering).
MATTHYSSE, JOHN G., PH.D. (Economic Entomology).
MILLER, JOHN I., PH.D. (Animal Husbandry).
MILLER, ROBERT D., PH.D. (Soil Physics).
MINGES, PHILIP A., PH.D. (Vegetable Crops).
MOORE, HAROLD E., Jr., PH.D. (Botany).
MUNGER, HENRY M., PH.D. (Plant Breeding and Vegetable Crops).
MURPHY, ROYSE P., PH.D. (Plant Breeding).
MUSGRAVE, ROBERT B., PH.D. (Field Crops).
NAYLOR, HARRY B., PH.D. (Diary Industry).
NELSON, ABRAM G., PH.D. (Educational and Vocational Guidance).
NELSON, WALTER L., PH.D. (Biochemistry).
PARKER, KENNETH G., PH.D. (Plant Pathology).
PATTON, ROBERT L., PH.D. (Insect Pathology).
PEABODY, GEORGE E., M.S. (Extension Teaching).
PEASE, WILBUR F., B.S. (Extension Service, State 4-H Club Leader).
PEECH, MICHAEL, PH.D. (Soil Science).
PETERSON, LESTER C., PH.D. (Plant Pathology).
PHILLIPS, ELMER S., B.S. (Extension Teaching and Information).
POLSON, ROBERT A., PH.D. (Rural Sociology).
PRIDHAM, ALFRED M. S., PH.D. (Ornamental Horticulture).
RALEIGH, GEORGE J., PB.D. (Vegetable Crops).
RANEY, EDWARD C., PH.D. (Zoology and Fishery Biology).
RAWLINS, WILLIAM A., PH.D. (Entomology).
REID, JOHN T., PH.D. (Animal Husbandry).
ROBINSON, KENNETH L., PH.D. (Agricultural Economics).
ROCKCASTLE, VERNE N., PH.D. (Nature and Science Education).
ROSS, ARCHIBALD F., PH.D. (Plant Pathology).
SCOTT, MILTON L., PH.D. (Animal Nutrition and Poultry Husbandry).
SEELEY, HARRY W., Jr. (Bacteriology).
SEELEY, JOHN G., PH.D. (Floriculture).
SHEPARDSON, EDWIN S., M.S.A. (Agricultural Engineering).
SHERF, ARDEN F., PH.D. (Plant Pathology).
SHIPE, WILLIAM F., Jr., PH.D. (Diary Industry).
SIBLEY, CHARLES G., PH.D. (Zoology).
SMITH, ORA, PH.D. (Vegetable Crops).
SMITH, ROBERT S., PH.D. (Farm Finance).
SMITH, SEDGWICK E., PH.D. (Animal Husbandry).
SMITH, WILLIAM A., PH.D. (Rural Education).
SMOCK, ROBERT M., PH.D. (Pomology).
SPENCER, JAMES W., M.C.E. (Agricultural Engineering).
SPENCER, LELAND, PH.D. (Marketing).
SRB, ADRIAN M., PH.D. (Plant Breeding).
STAFFORD, IRVING B., M.S. (Extension Service).
STANTON, BERNARD F., PH.D. (Farm Management).
STEWARD, FREDERICK C., PH.D., D.SC. (Botany).
STINSON, HARRY T., PH.D. (Genetics).
STONE, EARL L., Jr., PH.D. (Forest Soils).
STORY, ROBERT P., PH.D. (Marketing).
STUTZ, FREDERICK H., PH.D. (Secondary Education).
SWANSON, GUSTAV A., PH.D. (Conservation).
SWEET ROBERT D., PH.D. (Vegetable Crops).
TRAVIS, BERNHARD V., PH.D. (Medical Entomology).
TRIMBERGER, GEORGE W., PH.D. (Animal Husbandry).
TURK, KENNETH L., PH.D. (Animal Husbandry).
TURNER, CLESSON N., M.S. (Agricultural Engineering).
TYLER, LEON J., PH.D. (Plant Pathology).
UHLER, LOWELL D., PH.D. (Biology).
VANDENMARK, PAUL J., PH.D. (Bacteriology).
WAKELEY, RAYMOND E., PH.D. (Rural Sociology).
WALLACE, BRUCE, PH.D. (Genetics).
WARD, WILLIAM B., M.S. (Extension Teaching and Information).
WARREN, STANLEY W., PH.D. (Farm Management).
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WELLINGTON, GEORGE H., PH.D. (Animal Husbandry).
WHITE, JAMES C., PH.D. (Diary Industry).
WILLIAMS, HAROLD H., PH.D. (Biochemistry).
WILLMAN, HAROLD A., M.S. (Animal Husbandry).
WINCH, FRED E., Jr., M.F. (Forestry).
WRIGHT, CARLTON E., PH.D. (Food Information).

The College of Agriculture—at the Geneva Experiment Station:
AVENS, ALFRED W., PH.D. (Chemistry).
BRAUN, ALVIN J., PH.D. (Plant Pathology).
CAIN, JOHN C., PH.D. (Pomology).
CHAPMAN, PAUL J., PH.D. (Entomology).
CLARK, BENJAMIN E., PH.D. (Seed Investigations).

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CROSIER, WILLARD F., PH.D. (Seed Investigations).
DEAN, RALPH W., PH.D. (Entomology).
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GAMBRELL, FOSTER L., PH.D. (Entomology).
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HILDEBRAND, GEORGE H., PH.D.
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Number of teachers: 511.
Number of students: 3,315.

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Founded 1850

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Dean: Rev. THOMAS A. STANLEY, S.M.
Resistrar: Bro. JOHN J. DRERUP, S.M.
Comptroller: GERALD W. VONDERBRINK.
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The library contains 149,653 volumes.
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Graduate School of Arts and Sciences: Very Rev. JOHN A. ELBERT, S.M.
School of Engineering: Dr. MAURICE R. GRANEY.
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UNIVERSITY OF DELAWARE

NEWARK, DELAWARE
Founded 1833 from the Newark Academy founded in 1765. Chartered 1769.

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Provost: JOHN WILLIAM SHIRLEY, PH.D.
Director of Admissions: EDWARD R. OTT, PH.D.
Registrar: ROBERT GEBHARDTSBAUER, M.A.
Business Administrator: BRUCE J. PARTRIDGE, J.D.
Librarian: JOHN M. DAWSON, PH.D.

Number of teachers: 300.
Number of students: 2,041 men, 2,041 women, total undergraduate 3,593, graduate 1,127.
University publications: *Delaware Notes, The University News, Catalogue, Bulletins.*

DEANS:

Students: JOHN EVANS HOCUTT, M.S.
Women: BESSIE B. COLLINS, M.S.
School of Agriculture: GEORGE M. WORRILOW, D.AG.
School of Arts and Science: G. BRUCE DEARING, PH.D.
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School of Education: ROY M. HALL, ED.D.
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DENISON UNIVERSITY

GRANVILLE, OHIO
Founded 1831

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Librarian: Miss LOIS E. ENGLEMAN.
Treasurer: BURT T. HODGES.
Registrar: DONALD R. FITCH.
Director of Admissions: BURTON W. DUNFIELD.

Number of teachers: 128, including 40 professors.
Number of students: 830 men, 715 women, total 1,545.
Publication: *Journal of the Scientific Laboratories.*

DEANS:

College: PARKER E. LICHTENSTEIN.
Men: MARK W. SMITH.
Women: Miss ELIZABETH HARTSHORN.

UNIVERSITY OF DENVER

DENVER 10, COLORADO
Telephone: 753-1964
Founded 1864.

Chancellor: CHESTER M. ALTER.
Vice-Chancellor Treasurer: HARVEY D. WILLSON.
Vice-Chancellor-Public Affairs: ROBERT S. MCCOLLUM.
President of Board: JOHN EVANS, Jr.
Librarian: STUART BAILLIE.

The library contains 390,000 volumes.
Number of teachers: 412 of whom 284 are full-time.
Number of students: 5,888.

DEANS:

Arts and Sciences: JAMES E. PERDUE.
Law: HAROLD HURST (acting).
Engineering: DAVID A. DAY.
Business Administration: THEODORE H. CUTLER.
Education: NATHANIEL EVERS.
Art: VANCE H. KIRKLAND.
Music: ROGER FEE.
Communication Arts: CAMPTON BELL.
Denver Research Institute: SHIRLEY A. JOHNSON, Jr.
Public Administration: ELLSWORTH H. PLANK.
Graduate School: ALFRED C. NELSON.

DEPAUL UNIVERSITY

CHICAGO 4, ILLINOIS
Telephone: WE 9-3525

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Librarian: Rev. REDMOND A. BURKE, C.S.V., PH.D.

The library contains 186,526 volumes.
Number of teachers: 395.
Number of students: 9,147.

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Publications: *De Paul* (bi-monthly); *De Paulia* (weekly); *Law Review* (half-yearly); *De Paul Studies* (quarterly), *Chemica* (quarterly); *Nile Lite* (monthly).

DEANS:

Arts and Science: Rev. PATRICK O'BRIEN, C.M., M.A., S.T.D.
University College: ROBERT F. FRIES, PH.D.
Commerce: JAMES A. HART, LL.B., PH.D.
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Law: PHILIP ROMITI, J.D.
Music: ARTHUR C. BECKER, MUS.D.
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DEPAUW UNIVERSITY

GREENCASTLE, INDIANA

Chartered 1837 as Indiana Asbury University, name changed 1883.

President: WILLIAM E. KERSTETTER, B.A., S.T.B., PH.D., LL.D., L.H.D.
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The library contains 152,754 volumes.
Number of teachers: 192.
Number of students (First semester 62-63): 1,171 men, 1,068 women, total 2,239.
Publication: *Bulletin* (Sept., Feb., April, June).

DEANS:

University: ROBERT H. FARBER, ED.D.
Music: MILTON S. TRUSLER, PH.D. (*Director*).
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Director of Admissions: LOUIS J. FONTAINE, M.S.

UNIVERSITY OF DETROIT

DETROIT 21, MICHIGAN

Telephone: Area Code 313, 342-1000

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The library contains 263,000 volumes.
Number of full-time teachers: 324.
Number of students: 4,939 full-time, 4,401 part-time.
Publication: *Bulletin* (monthly, Dec. to Aug.).

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The library contains 172,000 volumes.
Number of teachers: 200.
Number of students: 7,015.

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Number of teachers: 95.
Number of students: 1,124.
Publication: *The Drew Gateway*.

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TOOMBS, LAWRENCE E. (Old Testament).
WEATHERBY, ALLEN L. (English).
WOOLLEY, L. GRANGE (Modern Languages).
ZUCK, ROBERT K. (Botany).

DUKE UNIVERSITY

DURHAM, NORTH CAROLINA

Union Institute Society founded in 1838 in Randolph County, North Carolina. In 1851 the Institute was reorganised as Trinity College, and in 1892 the College was removed to Durham. A new Charter was issued in 1924, when, under the Duke Endowment, it became Duke University.

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Number of teachers: 786.
Number of students: 5,918.
Publications: *American Literature, Duke Mathematical Journal, Ecology Ecological Monographs, The Hispanic American Historical Review, Journal of Personality, South Atlantic Quarterly, Law and Contemporary Problems, Duke Bar Journal, Journal of Legal Education.*

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MERIAM, JAMES L., PH.D. (Engineering Mechanics).

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ORGAIN, EDWARD STEWART, M.D. (Medicine).
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PARKER, ROY T., M.D. (Obstetrics and Gynæcology).
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PATTON, LEWIS, PH.D. (English).
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PERRY, HAROLD SANFORD, PH.D. (Botany).
PERSONS, ELBERT L., M.D. (Medicine).
PETRY, RAY C., A.M., PH.D. (Church History).
PICKRELL, K. LE ROY, M.D., B.S. (Plastic Surgery).
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POWELL, BENJAMIN E., PH.D. (University Libraries).
PREDMORE, RICHARD L., M.A., D.M.L. (Romance Languages).
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RANKIN, ROBERT STANLEY, A.M., PH.D. (Political Science).
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Number of teachers: 296.
Number of students (1962-63): 3,590 men, 2,675 women, total 6,265.

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ATLANTA, GEORGIA
Telephone: 377-2411

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Controlled by Methodist Church.
Junior College at Oxford, Georgia (founded 1929).
Chartered as Emory College 1836, University 1915

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Number of students: 4,646.
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RUTHERFORD, NEW JERSEY

Founded 1941

President: Dr. PETER SAMMARTINO.
Academic Vice President: Dr. CLARENCE R. DECKER.
Librarian: HELEN STEWART.

Number of teachers: 806.
Number of students: 14,302.
Publications: *The Literary Review* (quarterly), *Castlelight* (yearbook), *The Bulletin* (weekly), *The Clearing House* (monthly), *The Business Review, Now.*

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FISK UNIVERSITY

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Opened as Fisk School 1866; Chartered as University 1867.

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Comptroller: ISAIAH T. CRESWELL.
Registrar: JAMES R. SMOTHERS, Jr.

The library contains 145,553 volumes.
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Number of students: 909.
Publication: *Bulletin* (quarterly).

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Librarian: N. ORWIN RUSH, M.S.

The library contains 500,000 volumes.
Number of teachers: 590.
Number of students: 8,179.
Publication: *Bulletin* (quarterly).

DEANS:

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College of Arts and Sciences: J. PAUL REYNOLDS, PH.D.
School of Education: MODE L. STONE, PH.D.
School of Home Economics: HORTENSE M. GLENN, PH.D.
School of Music: KARL OTTO KUERSTEINER, M.M., PH.D.
Library School: LOUIS SHORES, M.S., PH.D.
School of Social Welfare: COYLE E. MOORE, M.S., PH.D.
School of Business: CHARLES A. ROVETTA, PH.B., M.B.A.
School of Nursing: VIVIAN DUXBURY.
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Men: HUGH DONALD LOUCKS, PE.D.
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Provost for Health Centre: Samuel P. Martin, m.d.
Registrar: Richard S. Johnson, b.s.p.
Business Manager: W. Ellis Jones, b.s.bus.ad.
Director of Libraries: Stanley L. West, a.b., ll.b., b.s. in l.s.

The library contains 970,429 volumes.
Number of teachers: 1,349.
Number of students: 9,691 men, 3,943 women, total 13,634.
Publications: *Journal of Politics, Southern Folklore Quarterly, Southern Speech Journal, Journal of Inter-American Studies.*

Deans, etc.:

College of Agriculture: Marvin A. Brooker, ph.d.
College of Architecture and Allied Arts: Turpin C. Bannister, f.a.i.a., ph.d., d.f.a.
College of Arts and Sciences: Ralph E. Page, ph.d.
College of Business Administration: Donald J. Hart, ph.d.
College of Education: Joseph B. White, ph.d.
College of Engineering: Joseph Weil, m.s.
School of Forestry: Clemmons Marcus Kaufman, ph.d. (*Director*).
Graduate School: Linton E. Grinter, ph.d.
College of Health Related Services: Darrel Jay Mase, ph.d.
School of Inter-American Studies: A. Curtis Wilgus, ph.d. (*Director*).
School of Journalism and Communications: Rae O. Weimer (*Director*).
College of Law: Frank E. Maloney, ll.b.
College of Medicine: George T. Harrell, m.d.
College of Nursing: Dorothy M. Smith, m.ed.
Student Affairs: Lester L. Hale, ph.d.
College of Pharmacy: Perry A. Foote, ph.d.
College of Physical Education and Health: Dennis K. Stanley, m.ed.
University College: Byron S. Hollinshead, ll.d., l.h.d.
Men: Frank T. Adams, ed.d.
Women: Marna V. Brady, d.ed.

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY
TALLAHASSEE, FLORIDA
Founded 1887

President: George W. Gore, Jr., ed.m., ph.d.
Administration: H. Manning Efferson, m.a., ll.d.
Registrar: Edwin M. Thorpe, m.s.
Librarian: J. Luther Thomas, m.a.

Number of teachers: 197, including 38 full professors.
Number of students: 2,780.

Deans:

School of Agriculture and Home Economics: C. E. Walker, m.s., ph.d.
School of Education: Melvin O. Alston, m.s., ed.d.
College of Arts and Sciences: M. C. Rhaney, m.s., ph.d.
Vocational-Technical Institute: M. S. Thomas, m.ed.
School of Nursing Education: Mrs. Eunice J. Burgess, m.a.
College of Law: T. M. Jenkins ll.b.
School of Pharmacy: Murphy D. Jenkins, m.s.
Graduate School: L. J. Shaw, ed.d.
Military Science: Lt.-Col. Albert J. Parker.

FORDHAM UNIVERSITY
EAST FORDHAM ROAD, NEW YORK 58, N.Y.

Founded by Rt. Rev. John Hughes, first Roman Catholic Archbishop of New York, in 1841 as St. John's College. Incorporated as a university 1846. Name changed to Fordham University 1907.

President: Rev. Vincent T. O'Keefe, s.j., a.b., m.a., ph.l., s.t.l., ph.d.
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Treasurer: Rev. Philip H. McGrath, s.j.
Librarian: Joseph T. Hart, b.s. in l.s., m.a., ph.d.

The library contains 445,145 volumes.
Number of teachers: 696.
Number of students (1962-63): 6,811 men, 3,243 women, total 10,054.
Publications: *Thought* (quarterly), *Traditio* (annual), *International Philosophical Quarterly.*

Deans:

Fordham College: Rev. George J. McMahon, s.j., a.b., m.a., s.t.l., ph.d.
College of Philosophy and Letters: Rev. Gerald A. McCool, s.j., a.b., m.a., s.t.l., ph.d.
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FRIENDS UNIVERSITY
WICHITA, KANSAS
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Founded 1898.

President: Dr. Lowell E. Roberts.
Business Manager: Wayne Warner.
Registrar: Evelyn R. Clark.
Dean: Dr. Dorothy H. Craven.
Librarian: Amy F. Cobb.

Number of teachers: 47.
Number of students: 725.
Publication: *Friends University Bulletin* (monthly).

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The library contains 98,000 volumes.
Number of teachers: 98, including 31 professors.
Number of students: 868 men, 616 women, total 1,484.
Publications: *University Magazine* (bi-monthly), *Studies* (annual), *Hornet* (weekly), *The Echo* (literary, semi-annual).

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The library contains 504,000 volumes.
Number of teachers: 523 full-time, 799 part-time.
Number of students: 5,625 men, 1,166 women, total 6,791.
Publications: *Georgetown University Medical Centre Bulletin, The Georgetown Law Journal, The Hoya, The Georgetown Record, Res Ipsa Loquitur, The Georgetown College Journal, The Courier, Viewpoint.*

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WILKINSON, WALTER W., PH.D. (History).
WILLIAMS, FRANKLIN B., PH.D. (English).
YATES, Rev. GERARD F., S.J., PH.D. (Government)
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ZEBOT, CYRIL A., PH.D. (Economics).

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BOYLES, JOHN HARRISON, B.A., LL.B. (Legal Bibliography).
BRADLEY, EDWIN J., A.B., LL.B. (Legal Accounting and Business Organization).
BRAUN, RICHARD L., LL.M. (Real Property, Crimes, and Torts).
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CONWAY, PAUL, A.B., LL.M. (Torts, Business Organisation).
DEAN, PAUL REGIS, B.A., LL.M. (Equity, Damages, Trusts and Contracts).
DUGAN, FRANK JOSEPH, B.A., LL.M. Constitutional Law).
GAGHAN, JOSEPH F., M.F.S., LL.M. (Legal Bibliography).
HANLEY, DEXTER, S.J., LL.M. (Torts, Jurisprudence and Labour Law).
JACOBY, SIDNEY, LL.B., J.D. (Civil Procedure, International Law).
JAEGER, WALTER H. E., M.S., PH.D., LL.B., J.D. (Contracts, Negotiable Instruments and Labour Laws).
KRONSTEIN, HEINRICH J. D., LL.B., S.J.D. (Private Corporations, Corporation Law and Roman Law).
LUCEY, Rev. FRANCIS, S.J., PH.D., LL.B. (Jurisprudence and Civil Procedure).
MCMANUS, EDWIN PETER, B.A., LL.B. (Constitutional Law, Civil Procedure, and Federal Security: Law and Legislation).
METZGER, STANLEY, A.B., LL.B. (Crimes, Administrative Law, International Trade, International Law).
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PYE, KENNETH, A.B., LL.M. (Civil Procedure).
RYAN, PHILIP A., B.A., LL.B. (Civil Procedure, Personal Property, Torts, Domestic Relations).
SNEE, Rev. JOSEPH M., S.J., PH.L., M.A., S.T.L., LL.B. (Constitutional Law, Contracts and Restitution).

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BAKER, ROGER C., B.S., M.D., PH.D. (Urology).
BRICK, IRVING B., A.B., M.D. (Medicine).
BURKE, FREDERIC G., B.S., M.D. (Pediatrics).
CALCAGNO, PHILIP L., B.S., M.D. (Pediatrics).
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HORNER, WILLIAM H., M.D., PH.D. (Biochemistry)
HUFNAGEL, CHARLES A., B.S., M.D. (Experimental Surgery).
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MACNAMARA, THOMAS E., M.D. (Anesthesiology).
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MARCHETTI, ANDREW A., M.D. (Obstetrics and Gynæcology).
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RITTS, ROY E., A.B., M.D. (Microbiology and Tropical Medicine).
ROHRER, JOHN H., PH.D. (Psychiatry).
ROSE, JOHN C., B.S., M.D. (Physiology and Biophysics).
SCHREINER, GEORGE E., A.B., M.D. (Medicine).
SHIELDS, CHARLES D., M.D. (Physical Medicine and Rehabilitation).
SOLNITZKY, OTHMAR C., PH.D., M.D. (Anatomy).

Dental School:

DARDIN, VINCENT J., M.D., M.A. (Surgical Pathology).
EMIG, GEORGE D., D.D.S. (Prosthetic Dentistry).
GESCHICKTER, CHARLES F., M.A., M.D. (Pathology).
GOLDBERG, MAURICE, D.D.S. (Dental Materials).
GOLDEN, ABNER, A.B., M.D. (Pathology).
HESS, WALTER C., B.S., PH.D. (Biological Chemistry).
KOPPANYI, THEODORE, PH.D. (Pharmacology and Materia Medica).
KRUGER, GUSTAV O., B.S., D.D.S. (Oral Surgery).
MAENGWYN-DAVIES, GERTRUDE D., PH.D. (Pharmacology).
MOLLARI, MARIO, M.D., DR.T.M. (Microbiology and Tropical Medicine).
MURTO, CHARLES B., D.D.S. (Crown and Bridge).
SHELDON, HARRY B., D.D.S. (Operative Dentistry).
SOLNITZKY, OTHMAR C., M.A., PH.D., M.D. (Anatomy).

Institute of Languages and Linguistics:

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CASTIGLIONE, SALVATORE J., PH.D. (Italian).
DOSTERT, LEON E., B.S., PH.B., M.A. (French).
EDDY, FREDERICK D., PH.D. (French).
FRIES, CHARLES C., PH.D. (Linguistics).
LADO, ROBERT, PH.D. (Linguistics).
MATTOSO CAMARA, JOAQUIN, D.LITT. (Linguistics).
TWOMBLY, Rev. NEIL J., S.J., PH.D. (Latin).

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON 6, D.C.
Telephone: FE-8-0250

Founded 1821

President: THOMAS HENRY CARROLL, B.S., M.B.A., D.C.S.
Provost and Dean of the Faculties: OSWALD S. COLCLOUGH, B.S., LL.B., LL.D.
Administrative Secretary: TAMIS WILSON BORDEN, A.B.
Treasurer: HENRY W. HERZOG, B.S.
Assistant to the President: CLAUD MAX FARRINGTON, A.M.
Director of Admissions: JOSEPH YOUNG RUTH, A.B.
Registrar and Faculties Secretary: FREDERICK R. HOUSER, A.M. in GOVT.
Librarian and Art Curator: JOHN R. MASON, A.M., M.S. in L.S.

The library contains 352,000 volumes.
Number of teachers: 1,033.
Number of students: campus 13,588; off campus 8,203; total 21,791.

DEANS:

The National Law Center: CHARLES BERNARD NUTTING, A.B., J.D., LL.M., S.J.D., LL.D., LITT.D.
Law School: CHARLES B. NUTTING.
Education: JAMES H. FOX, A.M., ED.D.
Engineering: MARTIN A. MASON, B.S. in ENG., ING.-DR.
Government: A. M. WOODRUFF, PH.D.
Graduate Council: ARTHUR E. BURNS, PH.D.
Medicine: JOHN PARKS, M.S., M.D.
Pharmacy: ROBERT M. LEONARD.
University: ELMER L. KAYSER, PH.D., LL.D.
General Studies: GROVER L. ANGEL, ED.D.
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Columbian College of Arts and Sciences: CALVIN D. LINTON, PH.D.

UNIVERSITY OF GEORGIA

ATHENS, GEORGIA
Telephone: Liberty 3-2511

Incorporated by Act of General Assembly January 27, 1785, established 1801. First class graduated 1804.

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Dean of Faculties: ALVIN B. BISCOE, M.A., PH.D.
Comptroller and Treasurer: J. D. BOLTON, C.P.A.
Registrar and Director of Admissions: WALTER N. DANNER, Jr., B.S.A.E., M.S.A.
Librarian: WILLIAM P. KELLAM, A.B. IN L.S., A.M.

Number of teachers: 696.
Number of students: 10,045.

DEANS:

Students: DANIEL J. SORRELLS, A.B., M.A., ED.D.
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College of Arts and Sciences: JOHN O. EIDSON, A.B., M.A., PH.D., LITT.D.
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STEIN, JACK MADISON, B.A., M.A., PH.D. (German).
STENDAHL, KRISTER, TEOL.DR. (New Testament).
STEVENS, STANLEY SMITH, A.B., PH.D. (Psychology).
STEWART, ZEPH, A.M. (Greek and Latin).
STOMMEL, HENRY MELSON, S.B., (Oceanography).
STRAUCH, KARL, PH.D., A.M. (Physics).
STREET, JABEZ CURRY, S.M., PH.D. (Physics).
STURGIS, SOMERS HAYES, A.B., M.D. (Gynæcology).
SUTHERLAND, ARTHUR E., A.B., LL.B. (Law).
TAGIURI, RENATO, M.SC., PH.D. (Social Sciences).
TALBOT, NATHAN BILL, A.B., M.D. (Pediatrics).
TARANOVSKI, KIRLI, DR.PHIL., A.M. (Slavic Languages and Literature).
TATE, JOHN TORRENCE, A.B., PH.D. (Mathematics).
TAYLOR, CHARLES HOLT, PH.D. (Medieval History).
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THIMANN, KENNETH VIVIAN, B.SC., PH.D. (Biology).
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THOMPSON, LAWRENCE EVANS, A.B., M.P.A., PH.D. (Business Administration).
THOMPSON, RANDALL, A.M., MUS.D. (Music).
THORN, GEORGE WIDMER, M.D., LL.D., S.D. (Theory and Practice of Physic).
THORNE, SAMUEL EDMUND, A.B., LL.B., A.M., LITT.D. (Legal History).
TIEDEMAN, DAVID VALENTINE, A.M., ED.D. (Education).
TOLMAN, MAURICE MYER, A.B., M.D. (Dermatology).
TORREY, JOHN GORDON, A.B., A.M., PH.D. (Botany).
TRAUTMAN, DONALD THEODORE, A.B., LL.B. (Law).
TRUE, EDWARD KEENE, S.B. IN ARCH.ENG. (Architecture).
TUCKER, FRANK LEE, S.B., M.B.A. (Business Administration).
TURNBULL, DAVID, PH.D., S.D., A.M. (Applied Physics).
TURNER, DONALD FRANK, A.M., LL.B., PH.D. (Law).
ULAM, ADAM BRUNO, A.B., PH.D. (Government).
ULFELDER, HOWARD, A.B., M.D. (Clinical Gynæcology).
UNDERWOOD, PAUL ATKINS, S.B., M.F.A. (Byzantine Architecture).
UZMAN, BETTY GEREN, S.B., M.D. (Pathology).
VAGTS, DETLEV FREDERICK, A.B., LL.B. (Law).
VANDAM, LEROY DAVID, PH.B., M.D. (Clinical Anæsthesia).
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VERNON, RAYMOND, A.B., PH.D., A.M. (International Trade and Investment).
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VORENBERG, JAMES, A.B., LL.B. (Law).
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WALSH, JOSEPH LEONARD, S.M., PH.D. (Mathematics).
WALTER, CARL WALDEMAR, A.B., M.D. (Clinical Surgery).
WANG, HAO, B.SC., M.A., PH.D. (Mathematical Logic and Applied Mathematics).
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WARREN, SHIELDS, A.B., M.D., S.D., LL.D. (Pathology).
WATSON, FLETCHER GUARD, Jr., PH.D. (Education).
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WELLER, THOMAS HUCKLE, A.B., S.M., M.D., LL.D. (Tropical Public Health).
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WHITE, ROBERT WINTHROP, PH.D. (Clinical Psychology).
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WHITING, JOHN WESLEY MAYHEW, PH.D. (Education).
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WRIGHT, GEORGE ERNEST, PH.D., D.D. (Divinity).
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YANG, LIEN-SHENG, PH.D. (Chinese History).
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ZAMECNIK, PAUL CHARLES, A.B., M.D. (Oncologic Medicine).
ZARISKI, OSCAR, DR.MATH., A.M., S.D. (Mathematics).

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Administrative Vice-President: WILLIAM M. WACHTER, M.S.

Comptroller: GEORGE K. TANABE, B.B.A.

Librarian: CARL G. STROVEN, PH.D.

Director of Admissions and Records: EDWARD T. WHITE, M.A.

Number of teachers: 635, including 123 full professors.
Number of students: 5,442 men, 3,968 women, total 9,410.
Publication: *Bulletins.*

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Student Personnel: HAROLD M. BITNER, PH.D.

Graduate School and Director of Research: ROBERT W. HIATT, PH.D.

College of Business Administration: T. M. WERMEL, PH.D.

Summer Session: SHUNZO SAKAMAKI, PH.D.

College of General Studies: EDMUND F. SPELLACY, PH.D.

College of Nursing: VIRGINIA A. JONES, M.ED.

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Vice-President: WM. STUART NELSON, A.B., B.D., LL.D.
Secretary: G. FREDERICK STANTON, M.B.A.
Treasurer: JAMES B. CLARKE, B.S., M.A.
Business Manager: WENDELL G. MORGAN, M.A.
Director of Recording: (Vacant).
Librarian: JOSEPH REASON, M.A., PH.D.

The library contains 390,000 volumes.

Number of teachers: 800.

Number of students: approx. 4,750 men, 2,750 women, total 7,500.

Publications: *Journal of Negro Education, Journal of Religious Thought, Howard University Bulletin, Howard Law Review, Howard University Magazine.*

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College of Liberal Arts: FRANK M. SNOWDEN, Jr., PH.D.
College of Medicine: ROBERT S. JASON, PH.D., SC.D.
College of Pharmacy: CHAUNCEY I. COOPER, M.S.
School of Social Work: INABEL B. LINDSAY, D.S.W.
Graduate School: STANTON L. WORMLEY, PH.D. (Acting).
School of Engineering and Architecture: LEWIS K. DOWNING, M.S.E., SC.D.
School of Law: (Vacant).
Summer School: STANTON L. WORMLEY, PH.D. (*Director*).
Students: ARMOUR J. BLACKBURN, ED.D.
Chapel: EVANS E. CRAWFORD, PH.D.
Women: (Vacant).
Men: JAMES L. CARY, A.M.

PROFESSORS:

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BANNER, WILLIAM A., PH.D. (Philosophy).
BARNES, R. PERCY, PH.D. (Chemistry).
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BAYTON, JAMES A., PH.D. (Psychology).
BRANSON, HERMAN R., PH.D. (Physics).
BROWN, STERLING A., M.A. (English).
BROWNE, VINCENT J., PH.D. (Government).
CALLAHAN, VIRGINIA W., PH.D. (Classics).
COX, ELBERT F., PH.D. (Mathematics and Astronomy).
DANIEL, WALTER G., PH.D. (Education).
DAVIS, ARTHUR P., PH.D. (English).
DORSEY, EMMETT E., PH.D. (Government).
EAGLESON, HALSON V., PH.D. (Physics).
EDWARDS, G. FRANKLIN, PH.D. (Sociology and Anthropology).
FALL, BERNARD B., PH.D. (Government).
FERGUSON, LLOYD N., PH.D. (Chemistry).
FINLAY, HAROLD E., PH.D. (Zoology).
GOSNELL, HAROLD F., PH.D. (Government).
HANSBOROUGH, LOUIS A., PH.D. (Zoology).
HATHAWAY, MILICENT, PH.D. (Home Economics).
HOLMES, EUGENE C., PH.D. (Philosophy).
HURD, Lt.-Col. JAMES, B.A. (Military Science—Air).
KITTRELL, FLEMMIE P., PH.D. (Home Economics).
KNOX, ELLIS O., PH.D. (Education).
LEWIS, EDWARD E., PH.D. (Economics).
LEWIS, HAROLD O., PH.D. (History).
LINCICOME, DAVID R., PH.D. (Zoology).
LOGAN, RAYFORD W., PH.D. (History).
LOVELL, JOHN, Jr., PH.D. (English).
MAXWELL, ALLAN D., PH.D. (Mathematics and Astronomy).
MEENES, MAX, PH.D. (Psychology).
MILLER, CARROLL L., ED.D. (Education).
MORRIS, KELSO B., PH.D. (Chemistry).
PRICE, J. SINCLAIR, ED.D. (Education).
REYNER, ANTHONY S., J.U.DR. (Geology and Geography).
RUBIN, LESLIE I., LL.D. (African Languages and Area Centre).
SEIFERTH, WOLFGANG S., PH.D. (German).
SHERESHEFSKY, J. LEON, PH.D. (Chemistry).
SNOWDEN, FRANK M., PH.D. (Classics).
SPENCER, DANIEL L., PH.D. (Economics).
TINDALL, MARIAN, M.A. (History).
TAYLOR, MODDIE D., PH.D. (Chemistry).
TAYLOR, IVAN E., PH.D. (English).
THOMPSON, CHARLES H., PH.D. (Education).
THOMPSON, DANIEL C., PH.D. (Sociology and Anthropology).
WATKINS, CHARLOTTE C., PH.D. (English).
WATKINS, MARK HANNA, PH.D. (Sociology and Anthropology).
WORMLEY, STANTON L., PH.D. (German).

College of Pharmacy:
COOPER, CHAUNCEY I., M.S. (Pharmacy).
DARLINGTON, ROY C., PH.D. (Pharmacy).
MASSIE, SAMUEL P., PH.D. (Pharmaceutical Chemistry).

Engineering and Architecture:
BROWN, LEON, M.ARCH. (Architecture).
DANIELS, WALTER T., PH.D. (Structural Engineering).
DAVIS, STEPHEN S., M.S.M.E. (Mechanical Engineering).
DOWNING, LEWIS, M.S.C.E. (Civil Engineering).
EVANS, JAMES C., M.S.E.E. (Electrical Engineering).
FRY, LOUIS, M.ARCH. (Architecture).
HOWARD, DARNLEY E., M.E. (Mechanical Engineering).
HURLEY, GRANVILLE, M.ARCH. (Architecture).
MACKEY, HOWARD H., M.ARCH. (Architecture).
PURNELL, LEE, M.S.E.E. (Electrical Engineering).
RICHMOND, ADDISON, C.E. (Civil Engineering).
SHERMAN, WARREN, M.S. (Electrical Engineering).
STEELE, FRANCIS, M.S.C.E. (Civil Engineering).
WELCH, ERNEST, M.S.E.E. (Electrical Engineering).

College of Fine Arts:
ALLEN, LILLIAN M., PH.D. (Music Education).
COHEN, CHARLES C., B.MUS. (Piano).
COLEMAN, MADELINE, Diploma (Theory of Music).
DODSON, OWEN, M.F.A. (Drama).
GRANT, CAROLYN V., A.M. (Voice).
LAWSON, WARNER, M.A. (Music).
PORTER, JAMES A., A.M. (Art).

College of Medicine:
ANDERSON, EVELYN, PH.D. (Physiology).
ANGEL, JOHN L., PH.D. (Anatomy).
BERNTON, HARRY S., M.D. (Medicine).
BOOKER, WALTER M., PH.D. (Pharmacology).
BRISCOE, MADISON S., PH.D. (Microbiology).
BUGGS, CHARLES W., PH.D. (Microbiology).
COATNEY, G. ROBERT, PH.D. (Preventive Medicine and Public Health).
COBB, WILLIAM M., PH.D. (Anatomy).
COHN, ROBERT, M.D. (Psychiatry).
CORNELY, PAUL B., PH.D. (Preventive Medicine and Public Health).
FREEMAN, CHARLES W., M.S. (Dermatology).
FRIEDBERG, FELIX, PH.D. (Biochemistry).
GEILING, EUGENE M., PH.D. (Pharmacology).
GRANT, MURRAY, M.D. (Preventive Medicine and Public Health).
HARDEN, K. ALBERT, M.D. (Medicine).
HAWTHORNE, EDWARD W., PH.D. (Physiology).
JASON, ROBERT S., PH.D. (Pathology).
JOHNSON, JOHN B., M.D. (Medicine).
JOHNSON, JOSEPH L., PH.D. (Physiology).
JONES, R. FRANK, M.D. (Urology).
KERR, LORIN E., M.D. (Preventive Medicine and Public Health).
KESSLER, ALTHEA D., M.D. (Pediatrics).
KURLAND, LEONARD T., M.D. (Psychiatry).
LAUREY, JAMES R., M.D. (Thoracic Surgery).
LAWLAH, JOHN W., M.D. (Radiology).
MARSHALL, LAWRENCE M., PH.D. (Biochemistry).
MCKINNEY, ROSCOE L., PH.D. (Anatomy).
NEVIASER, JULIUS S., M.D. (Orthopedic Surgery).
NEWMAN, LLOYD H., M.D. (Biochemistry).
SARNOFF, STANLEY J., M.D. (Physiology).
SCHULTZ, JOHN D., M.D. (Psychiatry).
SCOTT, ROLAND B., M.D. (Pediatrics).
STEIN, SEYMOUR N., M.D. (Physiology).
STEWART, THOMAS B., M.D. (Anatomy).
SYPHAX, BURKE, M.D. (Surgery).
WILLIAMS, ERNEST Y., M.D. (Neurology and Psychiatry).
YOUNG, MOSES W., PH.D. (Anatomy).

School of Religion:
HILL, DANIEL G., TH.D. (Practical Theology).

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NELSON, WILLIAM S., LL.D. (Christian Theology).
WRIGHT, LEON E., PH.D. (New Testament).

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EVANS, CLARENCE C., D.D.S., M.S. (Orthodontics).
FITZGERALD, PERCY A., D.D.S., M.S. (Prosthodontics).
FLEMING, HAROLD S., D.SC. (Dental Research).
GASKINGS, HERMAN E., D.D.S., M.S. (Operative Dentistry).
GRIFFITHS, NORMAN H. C., D.SC. (Prosthodontics).
HAYES, RAYMOND, M.SC. (Oral Medicine).
HENRY, JOSEPH L., PH.D. (Oral Medicine).
HOWARD, ALICIA M., M.A. (Oral Hygiene).
SILBERKWEIT, MARIA, D.D.S., M.S. (Pedodontics).

School of Law:
NABRIT, JAMES M., Jr., J.D. (Law).
REID, HERBERT O., LL.B. (Law).
WASHINGTON, JAMES A., Jr., LL.M. (Law).

School of Social Work:
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MAGNUS, ERNA, PH.D. (Social Work).

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MOSCOW, IDAHO
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Chartered 1889

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Bursar: KENNETH A. DICK, M.S., C.P.A.
Registrar: F. L. O'NEILL, M.ED.
Librarian: LEE F. ZIMMERMAN, M.A.L.S.

Number of teachers: 339.
Number of students: 3,217 men, 1,343 women, total 4,560.

DEANS:

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Mines: EARL F. COOK, PH.D.
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(AND CHICAGO)

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Chicago Undergraduate Division WH 4-3800
Medical Center, Chicago 663-7000
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Comptroller and Vice-President: HERBERT OTIS FARBER, A.M., C.P.A.

Number of teachers: 4,628 (including research staff).
Number of students: 24,900 men, 10,274 women, total 35,174.

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College of Engineering: WILLIAM L. EVERITT, E.E., PH.D.
College of Agriculture: LOUIS B. HOWARD, PH.D., D.SC.
College of Education: ALONZO G. GRACE, PH.D.
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College of Law: RUSSELL N. SULLIVAN, LL.M.
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College of Physical Education: KING J. MCCRISTAL, ED.D.
Jane Addams School of Social Work: MARK P. HALE, PH.D. (*Director*).
Graduate College: HERBERT E. CARTER, PH.D. (*Acting Dean*).
College of Veterinary Medicine: CARL ALFRED BRANDLY, D.V.M.
University Extension: STANLEY ROBINSON, ED.D.
Institute of Government and Public Affairs: GILBERT Y. STEINER, PH.D. (*Director*).
Institute of Aviation: LESLIE A. BRYAN, PH.D., LL.B. (*Director*).
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Division of Physical Education: SHELDEN L. FORDHAM, PH.D. (*Director*).

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Institution for Tuberculosis Research: S. R. ROSENTHAL, M.D., PH.D. (*Director*).
Graduate College: M. V. NOVAK, PH.D., M.S., D.SC. (*Associate Dean*).
College of Medicine: G. A. BENNETT, B.S., M.D.
College of Nursing: MARY KELLY MULLANE, PH.D.
College of Pharmacy: GEORGE L. WEBSTER, PH.D.
Research and Educational Hospitals: D. J. CASELEY, A.B., M.D. (*Medical Director*).
Division of Services for Crippled Children: EDWARD S. LIS, M.D. (*Acting Director*).

PROFESSORS:

Urbana-Champaign Campus

College of Agriculture:

Agricultural Administration:
READ, HADLEY (Agricultural Extension).

Agricultural Economics:
BAKER, CHESTER B.
BARTLETT, R. W. (Dairy Marketing).
BRINEGAR, GEORGE K.
BROADBENT, ELMER E. (Livestock Marketing).
BUDDEMEIER, W. D. (Farm Management).
DOVRING, FOLKE (Land Economy).
FOLSE, CLINTON L. (Rural Sociology).
HANNAH, H. W. (Agricultural Law).
HIERONYMUS, THOMAS A. (Grain Marketing).
HOLCOMB, JOHN M. (Farm Management).
JUDGE, GEORGE G.
KELLY, R. A. (Fruit and Vegetables).
KRAUSZ, NORMAN G. P. (Agricultural Law).

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LINDSTROM, D. E. (Rural Sociology).
MUTTI, RALPH J. (Agricultural Marketing).
REGNIER, E. H. (Rural Recreation).
REISS, FRANKLIN J. (Farm Management).
SAUER, ELMER L. (Rural Development).
SIMERL, L. H.
STICE, LESLIE F. (Grain Marketing).
SWANSON, EARL R. (Farm Management).
THOMPSON, WILLIAM N. (Farm Management).
VAN ARSDALL, ROY N. (Farm Management).
WEST, VINCENT I. (Price and Statistics).
WILLS, J. E. (Farm Management).

Agricultural Engineering:

BEATY, HAROLD H.
HANSEN, EDWIN L.
HAY, RALPH C.
LANHAM, FRANK B.
MATTHEWS, JOHN W.
YOERGER, ROGER R.

Agricultural Entomology:

DECKER, GEORGE C.
PETTY, H. B., Jr.

Agronomy:

ALDRICH, SAMUEL R. (Soil Fertility).
ALEXANDER, DENTON E. (Plant Genetics).
BEAVERS, ALVIN H. (Soil Minerology).
BRAY, ROGER H. (Soil Fertility).
BURGER, AMBROSE W.
EARLEY, E. B. (Plant Physiology).
GERDEMANN, JAMES W. (Plant Pathology).
GIESEKING, J. E. (Soil Chemistry).
HADLEY, HENRY H. (Plant Genetics).
HAGEMAN, RICHARD H. (Plant Physiology).
HANSON, JOHN B. (Plant Physiology).
JACKOBS, JOSEPH A. (Crop Production).
JACOB, WALTER C. (Biometry).
JUGENHEIMER, R. W. (Plant Genetics).
KLUTE, ARNOLD (Soil Physics).
KURTZ, L. T. (Soil Fertility).
LANG, A. L. (Soil Fertility).
LAUGHNAN, JOHN R. (Plant Genetics).
LENG, EARL R. (Plant Breeding).
MELSTED, SIGURD W. (Soil Chemistry).
ODELL, RUSSELL T. (Pedology).
RUSSELL, MORELL B. (Soil Physics).
SCOTT, WALTER O. (Crop Extension).
SLIFE, FRED W. (Crop Production).
STEVENSON, FRANK J. (Soil Chemistry).
THORNE, MARLOWE.
TYNER, EDWARD H. (Soil Fertility).

Animal Science:

BECKER, DONALD E. (Animal Nutrition).
CARLISLE, GEORGE R.
FORBES, RICHARD M. (Biochemistry).
GARRIGUS, U. S.
JOHNSON, B. CONNOR (Biochemistry).
KASTELIC, JOSEPH (Biochemistry).
NALBANDOV, A. V. (Animal Physiology).
NEUMANN, ALVIN L.
NORTON, HORACE W. (Statistical Design).
ROSS, O. BURR.
RUSSELL, H. G.
SCOTT, HAROLD M.

County Agricultural Extension:

ANDERSON, ERNEST W. (Education and Training).
MURPHY, W. D. (Co-operative Extension).
REGNIER, E. H. (Rural Recreation).

County Home Economics Extension:

DUNLAP, MARTHA (Co-operative Extension).

Dairy Science:

BROQUIST, HARRY P. (Biological Chemistry).
CASH, J. G. (Extension).
GARDNER, KARL E. (Nutrition).
HARSHBARGER, K. E. (Nutrition).
KENDALL, K. A.
NELSON, WILLARD O. (Bacteriology).
ORMISTON, E. E. (Dairy Husbandry).
SALISBURY, GLENN W.
TOUCHBERRY, ROBERT W. (Genetics).
VANDEMARK, NOLAND L. (Physiology).

Dixon Springs Agricultural Experiment Station:

MANSFIELD, MANFORD E. (Veterinary Research).
WEBB, R. J.

Food Technology:

HERREID, ERNEST O. (Dairy Technology).
HOWARD, LOUIS B.
KUMMEROW, FRED A. (Food Chemistry).
MARSH, RICHARD R.
MILNER, REID.
NELSON, ALVIN I. (Food Processing).
ORDAL, Z. JOHN (Food Microbiology).
TUCKEY, S. L. (Dairy Technology).
WHITNEY, ROBERT McL. (Dairy Technology).

Forestry:

BOGGESS, WILLIAM R.
LORENZ, RALPH W.
SPAETH, J. NELSON.
WALTERS, CHARLES S. (Wood Technology).

Home Economics:

HOLMES, JULIA O. (Nutrition).
JANSSEN, PEARL Z. (Foods).
SMITH, JANICE M. (Nutrition).
VAN DUYNE, FRANCES O. (Foods).

Horticulture:

ARNOLD, CHARLES Y. (Vegetable Crops).
BIRKELAND, CHARLES J.
GARTNER, JOHN B. (Floriculture).
LINN, M. B. (Plant Pathology).
LOTT, RICHARD V. (Pomology).
McCOLLUM, J. P. (Vegetable Crops).
MOWRY, JAMES B.
POWELL, DWIGHT (Plant Pathology).
THOMPSON, ANSON E. (Vegetable Crops).
VANDEMARK, JOSEPH S.

Plant Pathology:

BEVER, WAYNE M.
BLACK, LINDSAY M.
CARTER, J. CEDRIC.
GERDEMANN, JAMES W.
GOTTLIEB, DAVID.
HOOKER, ARTHUR L.
LINN, M. B.
POWELL, DWIGHT.
THORNBERRY, H. H.

Veterinary Research:

ALBERTS, J. O.
BEAMER, PAUL.
BRANDLY, C. A.
HANSON, LYLE E.
LEVINE, NORMAN D.
LINK, ROGER P.
MANSFIELD, MANFORD E.
REBER, ELWOOD F.
ST. CLAIR, L. E.
SEGRE, DIEGO.
SIMON, JOSEPH.

Vocational Agriculture:

MATTHEWS, JOHN W.

Armed Forces:

DORSETT, HAROLD L. (Army, Military Science and Tactics).
NIELSEN, JOHN L. (Naval Science).
OETTING, GEORGE D. (Air Force Science).
STRANGE, RUSSELL P. (Air Force Science).

College of Commerce and Business Administration:

Accountancy:

BEDFORD, NORTON M.
DEMARIS, EDWIN J.
DICKEY, ROBERT I.
LITHERLAND, DOROTHY.
LUKAS, GAZE E.
MAUTZ, R. K.
MOYER, C. A.
PERRY, KENNETH W.
SKADDEN, DONALD H.
THOMAS, WILLIAM E., Jr.
WAKEFIELD, NELSON D.
WYATT, ARTHUR R.
ZIMMERMAN, VERNON K.

Business Education:

CONDON, ARNOLD C.

Economics:

ALLEN, H. K.
BASSIE, V. LEWIS.
BELL, J. F.
BRANDIS, ROYALL.
BREMS, HANS J.
CHALMERS, W. ELLISON.
DUE, JOHN F.
FERBER, ROBERT.
FLANDERS, DWIGHT P.
GRAY, H. M.
HARBESON, ROBERT W.
HODGMAN, DONALD R.
KEMMERER, DONALD L.
LOCKLIN, D. PHILIP.
McNATT, E. B.
McPHERSON, W. H.
NEISWANGER, W. A.
PADEN, DONALD W.
PARRISH, JOHN B.

Finance:

ARLT, CARL T. (Money and Banking).
MAYER, ROBERT W.
MEHR, ROBERT I.
OSBORN, RICHARDS C.
VAN ARSDELL, P. M.

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Industrial Administration:

Bryan, Leslie A. (Management).
Dauten, Paul M., Jr.
Demaris, Edwin J.
McMullen, Stewart Y.
Planty, Earl G.
Roberts, Paul C. (Business Law).

Marketing:

Huegy, H. W.
Jones, Fred M.
Mitchell, Robert V.
Wales, Hugh G.
Wedding, Nugent.

Bureau of Economics Business Research:

Bassie, V. L.
Ferber, Robert.
Frankel, Marvin.
Phillips, Joseph D., Jr.

College of Education:

Education Administration:

Grace, Alonzo G.
McCleary, Lloyd E.
Miliier, Perry E.
Sanford, C. W.
Sumption, M. R.

Educational Psychology:

Blair, G. M.
Fisher, Lawrence A.
Gronlund, Norman E.
Jones, R. Stewart.
Newland, T. Ernest.
Odell, C. W.
Ohlsen, Merle M.
Patterson, Cecil H.
Proff, Fred C.
Simpson, Ray H.
Tucker, Ledyard R.

Elementary Education:

Atkin, J. Myron.
Barnes, Fred P.
McGill, John E.
Moore, Walter J.
Schultz, Harold A.
Shores, J. H.
Standler, Celia B.

Education History:

Anderson, Archibald W.
Broudy, Harry S. (Philosophy of Education).
Stanley, W. O. (Philosophy of Education).

Secondary and Continuing Education:

Burnett, R. Will.
De Boer, John J.
Finlay, Gilbert C.
Hand, Harold C.
Henderson, Kenneth B.
Kaulfers, Walter V.
Kettelkamp, G. C.
Knapp, Clyde G.
Metcalf, Lawrence E.
Pingry, Robert E.

Special Education:

Gallagher, James J.
Kirk, Samuel.

Vocational and Technical Education:

Evans, Rupert N.
Karnes, Ray.
Krebs, Alfred H.
Phipps, Lloyd J.

University High School:

Beberman, Max (Mathematics).
Jackson, David M.
Leppert, Ella (Secondary and Continuing).
Vaughan, H. E. (Mathematics).

Bureau of Educational Research:

Ausubel, David P. (Educational Psychology).
Cronbach, Lee J. (Educational Psychology).
Kaiser, Henry F. (Educational Psychology).
Runkel, Philip J. (Educational Psychology).
Smith, B. Othanel (Philosophy of Education).
Stolurow, Lawrence M. (Educational Psychology).

Office of Educational Testing:

Hastings, J. Thomas.

Research on Exceptional Children:

Gallagher, James J.
Kirk, Samuel.

University Council Teacher Education:

Allen, Charles M.
Hook, Julius N. (English).
Jackson, J. F. (French).
O'Neill, John J. (Speech).
Schultz, Harold A. (Art).
Wilson, Velma K. (Music).

College of Engineering:

Aeronautical Engineering:

Hicks, Bruce L.
Hilton, Harry H.
McCloy, Robert W.
Ormsbee, Allen I.
Stillwell, H. S.
Strehlow, Roger A.
Yen, Shee Mang.

Ceramic Engineering:

Allen, Alfred W.
Cook, R. L.
Friedberg, A. L.
Tooley, F. V.

Chemical Engineering:

Drickamer, Harry G.
Hanratty, T. J.
Swann, Sherlock, Jr.
Westwater, James W.

Civil Engineering:

Ackermann, William C.
Baerwald, John E.
Bauer, E. E.
Briscoe, J. W.
Bruckner, W. H.
Chow, Ven Te.
Danner, Ellis.
Deere, Don U.
Engelbrecht, Richard
Ewing, Ben B.
Gaylord, Edwin H., Jr.
Hall, William J.
Haltiwanger, John D.
Hay, William W.
Herrin, Moreland.
Ireland, Herbert O.
Kesler, Clyde E.
Khachaturian, Narbey.
Larson, Thurston E.
McPherson, Murray B.
Munse, William H.
Newmark, N. M.
Oliver, William A.
Pearson, John E.
Peck, Ralph B.
Robinson, Arthur R.
Schmidt, Milton O.
Siess, Chester P.
Sinnamon, George K.
Sozen, Mete Avin.
Stallmeyer, James E.
Thornburn, T. H.
Veletsos, Anestis S.

Coordinated Science Laboratory:

Alpert, Daniel.
Brown, Richard M.
Fraenfelder, Hans.
Hicks, Bruce L.
Seshu, Sundaram.
Wax, Nelson.
Van Valkenburg, MacElwyn.

Electrical Engineering:

Anner, George E.
Archer, L. B.
Ashby, W. Ross.
Babb, D. S.
Bailey, Albert D.
Bardeen, John.
Bowhill, S. A.
Brown, Richard M.
Coleman, Paul D.
Deschamps, Georges A.
Emery, Willis L.
Everitt, W. L.
Fett, G. H.
Fry, William J.
Goldstein, Ladislas.
Hayward, H. N.
Helm, M. S.
Hendricks, Charles, Jr.
Jordan, Edward C.
Keener, C. A.
Mayes, Paul E.
Miller, Wendell E.
Peirce, G. R.
Pines, David.
Robertson, James E.
Sah, Chih Tang.
Schwarzlose, P. F.
Seshu, Sundaram.
Skroder, C. E.
Swenson, George W., Jr.
Thomas, Garth J.
Van Valkenburg, MacE.
Von Foerster, Heinz M.
Wax, Nelson.
Webb, Harold D.
Williams, Jerome Earl.

General Engineering:

Dobrovolny, Jerry S.
Hall, S. G.
Larson, Bernt O.
McClintock, Edwin, Jr.
Pearson, John E.
Pierce, Stanley H.
Shick, Wayne L.

Highway Traffic Safety Center:

Baerwald, John E.

Materials Research Laboratory:

Maurer, Robert J.

Measurement Program:

Hayward, H. N. (Electrical Engineering).
Roberts, Howard C.

Mechanical Engineering:

Bareither, Harlan D.
Broghamer, E. L.
Chao, Bei Tse.
Doyle, Lawrence E.
Fahnestock, M. K.
Greffe, C. Dale.
Harper, George W.
Harris, Warren S.
Hebrank, Eugene F.
Henry, John A.
Hull, William L.
Konzo, Seichi.
Korst, Helmut H.
Larson, Reinhold F.
Leach, James L.
Luke, Edwin D.
Martin, Ross J.
Miles, John C.
Parker, Norman A.
Penrod, E. B.
Pigage, Leo C.
Radzimovsky, Eugene I.
Ryan, David G.
Seyfarth, Francis.
Soo, Shao Lee.
Trigger, K. J.

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Mining and Metal Engineering:

Balluffi, Robert W.
Beck, Paul A.
Bohl, Robert W.
Bruckner, W. H.
De Witte, Adriaan J.
Eckel, Earl J.
Lieberman, David S.
Metzger, Marvin.
Read, Thomas A.
Ricketts, Bernard G.
Risser, Hubert E.
Rose, Walter D.
Rowland, Theodore J. (Metallurgy).
Scheidegger, Adrian E.
Street, Norman.
Thomson, Robb M.
Wert, Charles A. (Metallurgy).
Wright, Frederick D.

Nuclear Engineering:

Adler, Felix T.
Bohl, Robert W.
Boresi, Arthur P.
Chao, Bei Tse.
Wyman, Marvin E.

Physics Betatron:

Adler, Felix T.
Allen, James S.
Almy, G. M.
Alpert, Daniel.
Ascoli, Giulio.
Axel, Peter.
Balluffi, Robert W.
Bardeen, John.
Bartlett, James H.
Brown, Frederick C.
Frauenfelder, Hans.
Goldwasser, Edwin L.
Haag, Rudolf.
Hanson, Alfred O.
Hill, Robert D.
Hulsizer, Robert I., Jr.
Jackson, John D.
Koehler, James.
Koester, Louis J., Jr.
Kruger, P. Gerald.
Kruse, Ulrich E.
Lavatelli, Leo S.
Lazarus, David.
Lyman, E. M.
Mapother, Dillon E.
Maurer, Robert J.
Nishijima, Kazuhiko.
Pasta, John R.
Pines, David.
Ravenhall, David G.
Robinson, C. S.
Sah, Chih Tang.
Sard, Robert D.
Seitz, Frederick.
Slichter, Charles P.
Smith, James H.
Snyder, James N.
Wattenberg, Albert.
Wheatley, John C.
Wyld, H. W., Jr.
Wyman, Marvin E.

Theoretical and Applied Mechanics:

Boresi, Arthur P.
Bowman, Cletus Edward.
Clark, Marlyn E.
Collins, W. Leighton.
Corten, Herbert T.
Dolan, Thomas J.
Jones, Paul Guy.
Kesler, Clyde E.
Langhaar, Henry L.
Lansford, Wallace M.
Robertson, James M.
Sidebottom, Omar M.
Sinclair, George M.
Smith, James O.
Stippes, Marvin.
Taylor, Charles E.
Wetenkamp, Harry R.
Worley, Will J.

College of Fine and Applied Arts:

Architecture:

Baker, Jack S.
Brightbill, Linwood J.
Connally, Ernest A.
Coy, Paul H.
Guevrekian, Gabriel.
Jones, Rudard A.
Keith, Granville.
Laing, Alan K.
Lindsay, D. B.
Link, Robert P.
Looker, Charles B., Jr.
Love, E. I.
Miles, Fred D.
Replinger, John G.
Smith, Robert J.
Toth, E. F.
Williams, A. Richard.

Art:

Betts, Edward H.
Bradshaw, Glenn R.
Britsky, Nicholas.
Chesney, Lee R.
Dietemann, Charles A.
Donovan, C. V.
Doolittle, W. F.
Hogan, James D.
Hult, R. E.
Johnson, Walter M.
Kennedy, J. William.
Perlman, Raymond.
Rae, Edwin C.
Roos, Frank J., Jr.
Schultz, Harold A.
Shipley, James R.
Sprague, Mark.
Weller, Allen S.
Zagorski, Edward J.
Ziroli, Nicola.

City Planning and Landscape Architecture:

Carnes, William G.
Goodman, William I.
Keith, Walter M.
Wetmore, Louis B.

Bureau of Community Planning:

Heikoff, Joseph.
Hyde, Victor.

School of Music:

Bergethon, Bjornar.
Binkerd, Gordon W.
Bowen, Dorothy E.
Branigan, Duane A.
Decker, Harold A.
Fletcher, Stanley.
Foote, Bruce R.
Garvey, John C.
Goldthwaite, Scott.
Goodman, Bernard M.
Hamm, Charles E.
Hindsley, Mark H. (Bands).
Hunter, George H.
Kelly, J. Robert.
Kessler, Hubert.
Leonhard, Charles.
McDowell, A. J.
Pettinga, Paul S.
Phillips, Burrill.
Richards, Claire L.
Ringer, Alexander L.
Rolland, Paul.
Schmitt, Homer C.
Sexton, Haskell O. (Bands).
Stravinsky, Soulima.
Swenson, Robert H.
Ulanowsky, Paul.
Waller, Gilbert R.
Wilson, Grace E.
Wilson, Velma K.
Zirner, Ludwig.

Small Homes Council:

Harris, Warren S.
Jones, Rudard.

Graduate College:

Digital Computer Laboratory:

Gillies, Donald B. (Applied Mathematics).
Muller, David E. (Applied Mathematics).
Pasta, John R. (Physics).
Robertson, James E. (Electrical Engineering).
Snyder, James N. (Physics).
Taub. A. H.

Graduate Center for Advanced Study:

Bardeen, John (Physics).
Doob, J. L. (Mathematics).
Drickamer, Harry G. (Chemical Engineering).
Steward, Julian H. (Anthropology).
Turyn, Alexander (Classics).

Radio Carbon Laboratory:

Nystrom, Robert F.

College of Journalism and Communications:

Advertising:

McClure, Leslie W.
Sandage, C. H.

Journalism and Communications:

Flynn, Charles E.
Jensen, Jay W.
Murphy, L. W.
Peterson, Theodore B.

Radio and TV:

Skornia, Harry J.

Institute of Communications Research:

Osgood, Charles E.

College of Law:

Bowman, C. H.
Carlston, Kenneth S.
Cleary, Edward W.
Cohn, Rubin G.
Cribbet, John E.
Davis, Wylie H.
Fleming, R. W.
Frampton, George T.
Hawkland, William D.
Holt, Harold W.
Metzger, John W.
Scoles, Eugene F.
Stone, Victor J.
Sullivan, Russell N.
Thomas, J. G.
Young, J. Nelson.

College of Liberal Arts and Sciences:

Anthropology:

Casagrande, Joseph B.
Lewis, Oscar.
McGregor, John C.
Shimkin, Demitri B.
Steward, Julian H.

Astronomy:

McVittie, George C.
Swenson, George W., Jr.
Wyatt, Stanley P., Jr.

Botany:

Black, Lindsay M.
Fuller, Harry J.
Jones, G. Neville.
Laughnan, John R.
Rabinowitch, Eugene I.
Rogers, Donald P.
Stern, Herbert.
Stewart, Wilson N.

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Chemistry and Chemical Engineering:

Bailar, John C., Jr. (Inorganic).
Carter, H. E. (Biochemistry).
Curtin, David Y. (Organic).
Drickamer, Harry G. (Chemical Engineering).
Gunsalus, I. C. (Biochemistry).
Gutowsky, H. S. (Physical Chemistry).
Hanratty, Thomas J. (Chemical Engineering).
Hastings, J. Woodland (Biochemistry).
Laitinen, H. A. (Analytical Chemistry).
Leonard, Nelson J. (Organic).
Malmstadt, Howard V. (Analytical).
Moeller, Therald (Inorganic).
Phipps, T. E. (Physical).
Rutter, William J. (Biochemistry).
Snyder, H. R. (Organic).
Wall, F. T. (Physical Chemistry).
Weber, Gregorio (Biochemistry).
Westwater, James W. (Chemical Engineering).
Yankwich, Peter E. (Physical Chemistry).

Classics:

Heller, John L.
Oliver, Revilo P.
Tovar, Antonio.
Turyn, Alexander.

English:

Barker, Arthur E.
Davidson, Edward H.
Evans, Gwynne B.
Flanagan, John T.
Gettmann, Royal A.
Herrick, M. T.
Holaday, Allan G.
Hook, Julius N.
Kaske, Robert E.
Milligan, B. A.
Nims, John F.
Ornstein, Robert.
Paul, Sherman.
Roberts, C. W.
Rogers, Robert W.
Shattuck, Charles H.
Smalley, Donald.
Smith, Roland M.
Weeks, Francis W.
Wilson, Harris W.

Entomology:

Chadwick, Leigh E.
Fraenkel, G. S.
Horsfall, William R.
Kearns, C. W.
Ross, H. H.

French:

Jackson, J. F.
Kolb, Philip.
Knudson, Charles A.
Pietrangeli, Angelina.
Viens, Claude P.
Wadsworth, Philip A.

Division of General Studies:

Costin, Frank.
Gulley, Halbert E.
Herrick, M. T.
Kugler, Otto E.
McCrimmon, James M.

Geography:

Booth, Alfred W.
Fellmann, Jerome D.
Foster, Fred W.
Garland, John H.
Page, J. L.
Roepke, Howard G.
Russell, Joseph A.
Shimkin, Demitri B.

Geology:

Carozzi, Albert.
Chapman, Carleton A.
Deere, Don U.
Frye, John C.
Grim, Ralph E.
Hagner, Arthur F.
Hough, Jack L.
Scott, Harold W.
Shaffer, Paul R.
Wanless, Harold R.
White, George W.

German:

Banta, Frank G.
Frey, John R.
Mitchell, Phillip M.
Philippson, Ernst A.
Stegemeier, Henri.

History:

Dawn, C. Ernest.
Dietz, F. C.
Erickson, Edgar L.
Fisher, Ralph T., Jr.
Geanakoplos, Deno J.
Graebner, Norman A.
Hyman, Harold M.
Johannsen, Robert W.
Lee, Maurice, Jr.
Nowell, Charles E.
Starr, Chester G.
Stearns, Raymond P.
Sutton, Robert M.

L.A.S. Life Sciences:

Halvorson, Halvor (Microbiology).
Hoffmeister, Donald F. (Curator Natural History Museum).

Mathematics:

Bateman, Paul T.
Blyth, Colin R.
Boone, William W.
Bourgin, D. G.
Cairns, Stewart S.
Day, Mahlon.
Doob, J. L.
Heins, Maurice H.
Heller, Alex.
Hohn, Franz E.
Ketchum, P. W.
Landin, Joseph.
Levy, Harry.
Mendel, C. W.
Miles, Henry J.
Muller, David E.
Pingry, Robert E.
Reiner, Irving.
Suzuki, Michio.
Taub, A. H.
Trjitzinsky, W. J.
Vaughan, H. E.

L.A.S. Microbiology:

Atwood, Kimball C.
Campbell, L. Leon.
Clark, F. M.
DeMoss, Ralph D.
Halvorson, Halvor O.
Nisonoff, Alfred.
Spiegelman, Sol.
Wolfe, Ralph S.

Philosophy:

Diggs, Bernard J.
Fisch, M. H.
Gotshalk D. W.,
Linsky, Leonard.
Turquette, A. R.

Physiology and Biophysics

Abbott, Barnard C.
Johnson, Robert E.
Nalbandov, A. V.
Prosser, C. Ladd.
Rabinowitch, Eugene I.
Sargent, Frederick, II.
Steggerda, F. R.
Taylor, A. B.
Thomas, Garth J.
Von Foerster, Heinz M.

Political Science:

Dangerfield, Royden.
Edelman, Murray J.
Garvey, Neil F.
Hagan, C. B.
Jobst, Valentine, III.
Kneier, Charles M.
Lewis, Edward G.
Monypenny, Phillip.
Peltason, Jack W.
Scott, Robert E.
Snider, C. F.
Wilson, Francis G.

Psychology:

Adams, Jack A.
Becker, Wesley C.
Cattell, Raymond B.
Costin, Frank.
Cronbach, Lee J.
Eriksen, Charles W.
Ewing, Thomas N.
Fiedler, Fred E.
Gilbert, William M.
Grice, G. Robert.
Hake, Harold W.
Hirsch, Jerry.
Humphreys, Lloyd G.
Hunt, J. McV.
Kaiser, Henry F.
Kappauf, William E.
Kirk, Samuel A.
Lanier, Lyle H.
Mowrer, O. Hobart.
O'Kelly, Lawrence I.
Osgood, Charles E.
Peterson, Donald R.
Steiner, Ivan D.
Stolurow, Lawrence M.
Tucker, Ledyard R.

Sociology:

Folse, Clinton L.
Glaser, Daniel.
Hulett, J. E., Jr.
Lindstrom, D. E.
Schneider, Louis.

Spanish, Italian and Portuguese:

Allen, J. H. D. (Spanish and Portuguese).
Crosby, James O. (Spanish and Italian).
Flores, Joseph S. (Spanish).
Kahane, Henry R. (Spanish and Linguistics).
Leal, Luis (Spanish).
Morinigo, Marcos A. (Spanish and Italian).
Pietrangeli, Angelina (Spanish and Italian).
Shoemaker, W. H. (Spanish and Italian).

Speech and Theatre:

Curry, E. Thayer.
Gulley, Halbert E.
Hewitt, Barnard W.
Hultzen, Lee S.
Mueller, Henry L.
Murphy, Richard.
Nadeau, Raymond E.
Nelson, Severina E.
Nichols, Marie H.
O'Neill, John J.
Scott, Joseph W.
Swanson, John Wesley.
Wallace, Karl R.

Zoology:

Adamstone, F. B.
Corliss, John O.
Hall, B. Vincent.
Hoffmeister, Donald F.
Ingle, Lester.
Kendeigh, S. Charles.
Kitzmiller, James.
Kruidenier, Francis J.
Luce, Wilbur M.
Nalbandov, A. V.
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Smith, Hobart M.
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DOWNS, R. B.
EATON, THELMA.
GOLDHOR, HERBERT.
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JENKINS, FRANCES B.
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College of Physical Education:

P.E. Health and Safety:

CRESWELL, W. H., Jr.
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Physical Education Administration for Men:

CURETON, T. K., Jr.
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KENNY, H. E.
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ZEIGIER, EARLE.

Physical Education for Women:

HUELSTER, LAURA J.

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CRESWELL, W. H., Jr. (Health and Safety).
ERICKSON, HERMAN (Labour and Industrial Relations).
GAMMILL, HOMER L. (Industrial Psychology).
GARMAN, PHILLIPS L. (Labour and Industrial Relations).
GARVEY, NEIL (Political Science).
HUFFMAN, WARREN J. (Health Education).
ROBINSON, STANLEY (Business Administration).
WOLFE, EARL C. (Labour and Industrial Relations).

Music Extension:

WALLER, GILBERT R.

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Veterinary Medicine:

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HARDENBROOK, HARRY, Jr.
HATCH, RAY D.
SCHILLER, ALFRED G.

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BEAMER, PAUL D.
BOLEY, LOYD E.
BRANDLY, C. A.
HANSON, LYLE E.
LEVINE, NORMAN D.
MANSFIELD, MANFORD E.
RISTIC, MIODRAG.
SEGRE, DIEGO.
SIMON, JOSEPH.
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HARDENBROOK, HARRY, Jr.
LINK, ROGER.
REBER, ELWOOD F.

Zoonoses Research:

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BRANDLY, C. A.
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HANNAH, H. W.
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SHIMKIN, DEMITRI B.

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Institute of Labor and Industrial Relations:

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DERBER, MILTON.
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MCPHERSON, W. H.
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WILCOCK, RICHARD C.
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JACKSON, DONALD D.
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WALTERS, ORVILLE S. (Psychiatry).

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OETTING, GEORGE D. (Air Force Science).
STRANGE, RUSSELL P. (Air Force Science).

Chicago

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SHOPEN, KENNETH G. (Art).
WALLEY, JOHN E. (Art).

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GRAMPP, W. D. (Economics).

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SHAPIRO, S. E. (General Engineering).
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WINSBERG, LESTER (Physics).

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SANGSTER, WILLIAM.
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VARDAMAN, HAZEL (Foreign Languages).
VEST, E. B. (English).

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HUITEMA ROY (Chemistry).
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MELOY, C. R. (Chemistry).

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KLASSEN, PETER P. (Sociology).
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BINKLEY, S. B. (Biological Chemistry).
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CAMP, W. J. R. (Pharmacology).
CARMICHAEL, H. T. (Psychiatry).
CATCHPOLE, H. R. (Pathology).
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COLE, W. H. (Surgery).
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FOLEY, E. F. (Medicine).
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GIBBS, F. A. (Neurology and Neurological Surgery).
GROVE, W. J. (Surgery).
HAGGARD, E. A. (Psychology in Psychiatry).
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KIEFER, J. H. (Surgery).
KRAKOWER, C. A. (Pathology).
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LEDERER, F. L. (Otolaryngology).
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SHERROD, T. R. (Pharmacology).
SIMER, P. H. (Anatomy).
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SMITH, C. M. (Pharmacology).
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STANLEY, M. M. (Medicine).
STERN, K. (Pathology).
SUGAR, O. (Neurology and Neurological Surgery).
UNNA, K. R. (Pharmacology).
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WINZLER, R. J. (Biological Chemistry).
WOLF, A. V. (Physiology).

College of Dentistry:

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BARBER, T. K. (Pedodontics).
BAZOLA, F. N. (Fixed Partial Prosthodontics).
BRODIE, A. G. (Orthodontics).
DUBRUL, E. L. (Oral Anatomy).
ENGEL, M. B. (Orthodontics).
JAMES, V. E. (Paradential Education).
KESEL, R. G. (Applied Materia Medica and Therapeutics).
KUBACKI, W. H. (Prosthodontics).
KURTZ, T. B. (Operative Dentistry).
LASKIN, D. M. (Oral Surgery).
MASSLER, M. (Pedodontics).
MAURICE, C. G. (Applied Materia Medica and Therapeutics).
OLECH, E. (Oral Surgery).
PRUZANSKY, S. (Orthodontics).
RENFROE, E. W. (Orthodontics).
SCHOUR, I. (Histology).
SKUPA, A. J. (Clinical Dentistry).
SPENCE, J. M. (Audiovisual Education).
ULLOA, M.
WALLACE, D. A. (Applied Materia Medica and Therapeutics).
YALE, S. H. (Radiology).

College of Pharmacy:

BLAKE, M. I.
DANIELS, R. (Chemistry).
DEARDORFF, D. L.
GEARIEN, J. E. (Chemistry).
KIRCH, E. R. (Chemistry).
VOIGT, R. F. (Pharmacology).
WEBSTER, G. L. (Chemistry).

Illustrations Studios:

GOODWIN, A. H. (Medical and Dental Illustration).

College of Nursing:

MULLANE, M. K.

EASTERN ILLINOIS STATE UNIVERSITY

CHARLESTON, ILLINOIS

Telephone: DIamond 5-2161
Telegraphic Address: Charleston, Illinois

Founded 1895

President: Dr. QUINCY DOUDNA.
Vice-President for Administration: Dr. WILLIAM H. ZEIGEL.
Vice-President for Instruction: Dr. HOBART F. HELLER.
Registrar: Dr. MAURICE MANBECK.
Librarian: Dr. ROSCOE F. SCHAUPP.

Number of teachers: 300.
Number of students: 3,750.
Publication: *Eastern Illinois University Bulletin.*

DEANS:

Professional Education: Dr. MARTIN SCHAEFER.
Graduate School: Dr. LAVERN HAMAND.
Letters and Science: Dr. LAWRENCE RINGENBERG.

PROFESSORS:

ALTER, D. R., PH.D. (History).
ATKINS, D. J., PH.D. (Mathematics).
BLAIR, R. L., PH.D. (English).
BOYD, E. W., PH.D. (School of Music).
CAVINS, H. M., ED.D. (Health Education).
CLINE, R. H., PH.D. (English).
COUNTRYMAN, C., D.ED. (Art).
DAMANN, K. E., PH.D. (Botany).
DAVIS, D. J., PH.D. (Mathematics).
DICKERSON, E. S., ED.D. (School of Business).
EDWARDS, A. U., PH.D. (Professional Education).
EKEBERT, G. W., PH.D. (English).
ELLIOTT, C. A., ED.D. (Industrial Arts).
FAGAN, C. L., PH.D. (School of Business).
FERGUSON, M. B., PH.D. (Zoology).
FOREMAN, M. O., PH.D. (Chemistry).
FOWLER, E. W., ED.D. (Industrial Arts).
GABBARD, E. G., PH.D. (Speech).
GARNER, C. R., ED.D. (Professional Education).
GRATSH, B. M., PH.D. (Foreign Language).
GROVES, W. H., PH.D. (Physical Education).
GUINAGH, K., PH.D. (Foreign Language).
IRLAND, M., ED.D. (Laboratory School).
KELLY, C., D.ED. (English).
KLEHM, W. A., ED.D. (Industrial Arts).
KLINE, J., PH.D. (English).

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KNISKERN, V. B., PH.D. (Zoology).
LANDIS, R. H., D.ED. (Industrial Arts).
LEFLER, G. Q., PH.D. (Physics).
MARCY, L. F., PH.D. (Chemistry).
MATZER, G. C., PH.D. (Professional Education).
MCCONKEY, G. A., PH.D. (Social Science).
MCKENNA, F. R., ED.D. (Professional Education).
MICHAEL, E., PH.D. (Foreign Language).
MOLER, D. J., PH.D. (Professional Education).
O'BRIEN, M., ED.D. (Physical Education).
PALMER, F. W., PH.D. (English).
PETERKA, H. E., PH.D. (Zoology).
PHIPPS, H. E., PH.D. (Chemistry).
PLATH, R. A., PH.D. (Social Science).
PRICE, D. A., PH.D. (Geography).
RIEGEL, G. T., PH.D. (Zoology).
SCRUGGS, W. M., PH.D. (Div. Life Sciences).
SEYMOUR, G. H., PH.D. (History and Divinity).
SHULL, C. E., PH.D. (Art).
SMITH, P. S., PH.D. (Physics).
SMITH, R. J., PH.D. (Chemistry).
SPARKS, I. L., PH.D. (Physics).
STEELE, S. R., PH.D. (Chemistry).
SWOPE, M. R., PH.D. (Home Economics).
SYNDERGAARD, P. R., PH.D. (History).
THUT, H. F., PH.D. (Botany).
TINGLEY, D. F., PH.D. (History).
WADDELL, R. C., PH.D. (Physics).
WAFFLE, E. M., PH.D. (English).
WESTCOTT, G. S., PH.D. (School of Music).
WOOD, W. G., PH.D. (Social Science).

ILLINOIS STATE NORMAL UNIVERSITY

NORMAL, ILLINOIS

Founded 1857

President: ROBERT G. BONE.
Vice President and Dean of Faculty: ARTHUR H. LARSEN.
Director of Admissions and Records: HOWARD J. IVENS.
Librarian: ROBERT R. HERTEL.

Number of teachers: 436.
Number of students: 5,218.
Publication: *Grandest of Enterprises.*

DEANS:

Undergraduate School: FRANCIS B. BELSHE.
Graduate School: C. W. SORENSEN.
Men: RICHARD E. HULET.
Women: ANNA L. KEATON.

NORTHERN ILLINOIS UNIVERSITY

DEKALB, ILLINOIS

Founded 1895

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Director, Bureau of University Research: CHARLES E. HOWELL.
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Librarian: BERNADINE C. HANBY.
The library contains 191,812 volumes.
Number of students: 10,000.

DEANS:

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Evening College: VIRGIL ALEXANDER.
College of Business: ROBERT L. THISTLETHWAITE.
College of Education: ROBERT F. TOPP.
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College of Liberal Arts and Sciences: JOHN SKOK.
College of Liberal Arts and Sciences: R. G. WHITESEL (*Associate Dean*).

SOUTHERN ILLINOIS UNIVERSITY

CARBONDALE, ILLINOIS
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EDWARDSVILLE, ILLINOIS
Telephone: 656-3970

Founded 1869

President: DELYTE W. MORRIS, PH.D.
Vice-President for Instruction: CHARLES D. TENNEY, PH.D.
Vice-President for Operations (Carbondale): JOHN E. GRINNELL, PH.D.
Vice-President for Operations (Edwardsville): CLARENCE W. STEPHENS, ED.D.
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Dean of Instruction: WILLIAM T. GOING, ED.D.
Registrar (Carbondale): ROBERT A. MCGRATH, PH.D.
Registrar (Edwardsville): JOHN H. SCHNABEL, ED.D.
Librarian (Carbondale): RALPH E. MCCOY, PH.D.
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Number of teachers: 756, including 172 full professors.
Number of students: 10,724 men, 5,887 women, total 16,611.
Publications: *The Obelisk* (annual), *The Egyptian* (five times a week), *The Muse* (annual), *Alestle* (weekly), *The Southern Alumnus* (quarterly).

DEANS (CARBONDALE):

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College of Liberal Arts and Sciences: HENRY DAN PIPER, PH.D.
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School of Business: HENRY J. REHN, PH.D.
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School of Technology: JULIAN H. LAUCHNER, PH.D.
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BARWICK, STEVEN, PH.D. (Music).
BAUERNFEIND, HARRY B., M.A. (Technical and Adult Education).
BEAZLEY, RONALD I., PH.D. (Forestry).
BENDER, JAY A., PH.D. (Physical Education for Men, Physiology).
BENZIGER, JAMES G., PH.D. (English).
BEYLER, ROGER ELDON, PH.D. (Chemistry).
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BLACKLEDGE, WALTER LLOYD, PH.D. (Business Division).
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BRACEWELL, GEORGE, ED.D. (Administration and Supervision).
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CLEMANS, KERMIT GROVER, PH.D. (Science and Technology Division).
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DENKER, FRED HERMAN, PH.D. (Music).
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EDELMAN, MILLON T., PH.D. (Economics).
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KEEPPER, WENDELL E., PH.D. (School of Agriculture).
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KELLEY, NOBLE H., PH.D. (Psychology).
KLIMSTRA, WILLARD D., PH.D. (Zoology).
KLINGBERG, FRANK L., PH.D. (Government).
KOEPP-BAKER, HERBERT, PH.D. (Speech Correction).
KOLSTOE, OLIVER PAUL, PH.D. (Special Education).
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LANTZ, HERMAN, PH.D. (Sociology).
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LAWRENCE, MARJORIE (Music).
LAYER, ROBERT GEORGE, PH.D. (Economics).
LEAN, ARTHUR E., PH.D. (Administration and Supervision).
LEE, J. MURRAY, PH.D. (Elementary Education).
LEWIS, WILLIAM M., PH.D. (Zoology).
LINDEGREN, CARL C., PH.D. (Microbiology).
LIT, ALFRED, PH.D. (Psychology).
LONG, HOWARD RUSK, PH.D. (Journalism).
MACMILLAN, ALEXANDER R., B.S. (Transportation Institute).
MCCOY, RALPH E., PH.D. (General Library).
MCDANIEL, W. C., PH.D. (Mathematics).
MCGRATH, ROBERT A., PH.D. (Government).
MCKEEFERY, WILLIAM JAMES, PH.D. (Philosophy).
MCLEOD, ARCHIBALD, PH.D. (Theatre).
MALONE, WILLIS E., PH.D. (Elementary Education).
MANN, SEYMOUR Z., PH.D. (Social Sciences Division).
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Publication: *Bulletin* (monthly).

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Number of students: 30,000.
Publications: *University Bulletin* (30 times a year), *University News Letter* (monthly), *Indiana Magazine of History* (quarterly), *Indiana Law Journal* (quarterly), *The Folio* (quarterly), *Journal of Mathematics and Mechanics, International Journal of American Linguistics, Midwest Folklore, Victorian Studies.*

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THE UNIVERSITY OF KANSAS CITY

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Business Manager: CHARLES L. LINN.
Dean of Students: Dr. S. WHEADON BLOCH.
Librarian: Dr. KENNETH LABUDDE.

The library contains 220,000 volumes.
Number of teachers: 272.
Number of students: 2,387 men, 1,022 women, total 3,409.

Publications: *Catalogue* (bi-annual), *Directory* (annual), *President's Report* (annual), *Alumni News* (quarterly), *U-News, Faculty Staff Information, Review* (quarterly literary magazine), *Law Review* (semi-annually), *Library Memo.*

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KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE

MANHATTAN, KANSAS, 66504
Telephone: Jefferson 9-2211

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Vice-President, Academic Affairs: WILLIAM BEVAN.
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Number of Faculty members: 1,149.
Number of students: 6,128 men, 2,781 women, total 8,909.
The library contains 314,254 volumes.

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KENT STATE UNIVERSITY

KENT, OHIO

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Registrar: CHARLES E. ATKINSON.
Comptroller: FREDERICK H. BAUER.
Secretary: ALICE MAKINSON.
Librarian: JOHN B. NICHOLSON.

Number of teachers: 585 including 111 professors.
Number of students: 8,183 full-time.
Publications: School catalogues, monthly bulletins; *Kent Alumnus* (quarterly).

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Graduate School: CHARLES G. WILBER.
Students: GLEN T. NYGREEN.
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LEXINGTON, KENTUCKY

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Vice-President, Business Administration: (Vacant).
Library: *see* Libraries.
Number of teachers: 907.
Number of students: 10 717.

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Vice-President: CHARLES AUGUSTUS SEIDLE, M.A., ED.D.
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Librarian: JAMES DECKER MACK, M.A.

The library contains 400,000 volumes.
Number of teachers: 340.
Number of students (1962-63): 3,600.
Publications: *Graduate Catalogue, University Catalogue, Annual Report,* etc.

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Business Manager: WINIFRED A. HAMILTON.
Registrar: C. C. DAMEL.
Librarian: ALBERT P. MARSHALL.

Number of teachers: 108, including 72 professors.
Number of students: 1,643.
Publications: *Lincoln Clarion* (weekly), *Archives* (annual review), *Lincoln's Page, Public Relations News Letter, Alumni Bulletin.*

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LOMA LINDA CAMPUS, LOMA LINDA, CALIFORNIA

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Librarian: LEROY W. OTTO.
The Vernier Radcliffe Memorial Library contains 70,125 volumes.
Number of teachers: 183 full-time, 151 part-time.
Number of students: 1,045.
Publications: *Loma Linda University Magazine, Medical Arts and Sciences,* Bulletins, Handbooks, *Voice of Loma Linda University Employees.*

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The library contains 150,000 volumes.
Number of teachers: *c.* 600.
Number of students: *c.* 12,000.
Publication: *The Graduate School Record.*

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University College of Liberal Arts and Science: MILTON M. KLEIN.
College of Business Administration: HOWARD K. RICE.
School of Education: JOSEPH J. MCNICHOLAS.
Graduate School: JOHN C. BAIARDI.

LOUISIANA STATE UNIVERSITY
BATON ROUGE, LOUISIANA
Telephone: DI 8-6511

State Constitution 1845 as the Louisiana State Seminary of Learning. First sessions held 1860. Name changed by legislature to Louisiana State University 1870. Merged with the Agricultural and Mechanical College, which had been chartered 1873 and opened 1874.

President: JOHN A. HUNTER, PH.D.
Registrar: ALBERT L. CLARY, M.A.
Director of Libraries: THEODORE N. MCMULLAN.
Number of teachers: 1,171.
Number of students: 16,070.
Publications: *Louisiana Law Review, Louisiana Business Review, Rural Economist, Louisiana Agriculture.*

DEANS:
Vice-Pres. and Dean of Academic Affairs: N. M. CAFFEE.
Graduate School: MAX GOODRICH.
Student Affairs: JAMES W. REDDOCH.
Junior Division: GEORGE H. DEER, PH.D.
College of Agriculture: JOHN N. EFFERSON, PH.D.
College of Arts and Sciences: CECIL G. TAYLOR, PH.D.
College of Chemistry and Physics: ARTHUR R. CHOPPIN, PH.D.
College of Business Administration: WILLIAM D. ROSS, PH.D.
College of Education: EDWARD BANE ROBERT, PH.D.
College of Engineering: FRED H. FENN, PH.D.
Law School: PAUL M. HEBERT, J.S.D.
School of Medicine (New Orleans): WILLIAM H. FRYE, PH.D., M.D.
School of Social Welfare: EARL E. KLEIN, PH.D. (*Director*).
School of Library Science: FLORRINELL F. MORTON, M.A. (*Director*).
School of Music: EVERETT TIMM, PH.D. (*Director*).
School of Forestry: PAUL Y. BURNS, PH.D. (*Director*).
School of Geology: HENRY V. HOWE, PH.D. (*Director*).
School of Journalism: FRANK JAMES PRICE, PH.D. (*Director*).
Louisiana State University (New Orleans): HOMER L. HITT, PH.D.
Louisiana State University (Alexandria): MARTIN D. WOODIN, PH.D.

UNIVERSITY OF LOUISVILLE
LOUISVILLE 8, KENTUCKY
Founded 1798.

President: PHILIP GRANT DAVIDSON.
Exec. Vice-President: WOODROW M. STRICKLER.
Vice-President: WILLIAM J. MCGLOTHLIN.
Director, Division of Institutional Services: C. P. DUNBAR.
Dean of Women: DORIS STOKES.
Dean of Men: DAVID LAWRENCE.
Registrar: JOHN M. HOUCHENS.
Registrar Emeritus: RALPH E. HILL.
Number of teachers: 325 (full-time).
Number of students: 10,500.
Publication: *The Cardinal.*

DEANS:
Arts and Sciences: RICHARD L. BARBER.
Medicine: DR. J. MURRAY KINSMAN.
Law: MARTIN M. YOLZ.
Graduate School: (vacant).
Dentistry: DR. RAYMOND E. MYERS.
Engineering (Speed Scientific School): R. C. ERNST.
Music: ROBERT WHITNEY.
Social Work (Graduate): KENNETH W. KINDELSPERGER.
University College: WILLIAM C. HUFFMAN.
Business School: JOHN R. CRAF.

LOYOLA UNIVERSITY
CHICAGO, ILLINOIS

Chartered as St. Ignatius College 1870; incorporated as Loyola University 1909.

President: Very Rev. JAMES F. MAGUIRE, S.J.
Executive Vice-President: Rev. ROBERT W. MULLIGAN, S.J.
Vice-President and Business Manager: THOMAS F. HAWKINS.
Vice-President in Charge of Development: W. D. CONROYD.
Bursar: BRO. MARTIN L. CARRIGAN, S.J.
Treasurer: Rev. FRANKLIN C. FISCHER, S.J.
Registrar: ELIZABETH A. MCCANN.
Librarian: JAMES C. COX.

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The library contains 395,821 volumes.
Number of teachers: 1,026.
Number of students: 10,371.
Publications: *Mid-America, Dialogue, Cadence.*

DEANS:

College of Arts and Sciences (Lake Shore): Rev. JOSEPH S. PENDERGAST, S.J.
School of Business Administration: J. RAYMOND SHERIFF.
College of Arts and Sciences (Lewis Towers, co-educational): HUGH B. RODMAN, S.J.
University College: RICHARD A. MATRE.
Graduate School: Rev. STEWART E. DOLLARD, S.J.
School of Law: JOHN C. HAYES.
School of Medicine: Dr. JOHN F. SHEEHAN.
School of Theology: Rev. WILLIAM LE SAINT, S.J.
School of Dentistry: Dr. WILLIAM P. SCHOEN, Jr.
School of Social Work: MATTHEW H. SCHOENBAUM.
School of Nursing: GLADYS M. KINIERY.
Men: HARRY L. MCCLOSKEY.
Women: MARIETTE LE BLANC.
Institute of Social and Industrial Relations: Rev. RALPH A. GALLAGHER, S.J. (*Director*).
Home Study: MARY L. MCPARTLIN (*Director*).
Parmly Hearing Institute: PETER MILLS (*Director*).
Institute of Urban Life: JOHN M. DUCEY (*Director*).

LOYOLA UNIVERSITY

NEW ORLEANS 18, LOUISIANA
Telephone: UN 6-5471
Telegraphic Address: Loyola University, New Orleans

Founded 1849 as College of the Immaculate Conception, name changed later to Loyola College. Chartered as University 1912.

President: Rev. ANDREW C. SMITH, S.J.
Vice-President: Rev. E. A. DOYLE, S.J.
Treasurer: Rev. A. B. GOODSPEED, S.J.
Dean of Faculties: Rev. EDWARD A. DOYLE, S.J.
Dean of Students: Rev. WILLIAM J. JUNKIN, S.J.
Registrar: HENRY O. CAZENTRE.
Director of Admissions: Miss CARMEL V. DISCON.
Librarian: JAMES W. DYSON.

The library contains 202,869 volumes.
Number of teachers: 247.
Number of students: 1,912 men, 1,242 women, total 3,154.

DEANS:

College of Arts and Sciences: Rev. EDWARD A. DOYLE, S.J.
College of Business Administration: HENRY J. ENGLER.
School of Dentistry: Dr. FRANK J. HOUGHTON.
School of Law: ANTONIO E. PAPALE.
College of Music: MICHAEL J. CARUBBA.
College of Pharmacy: Dr. EDWARD J. IRELAND.
Evening Division: Dr. RAYMOND P. WITTE.

LOYOLA UNIVERSITY OF LOS ANGELES

LOS ANGELES 45, CALIFORNIA

Founded by Vincentian Fathers as St. Vincent's College 1865, taken over by Jesuit Fathers 1911, name changed to Loyola College 1918.

President: Rev. CHARLES S. CASASSA, S.J.
Academic Vice-President: Rev. ROLAND A. REED, S.J.
Treasurer: Rev. CLEMENT SCHNEIDER, S.J.
Registrar: CATHERINE F. EMENAKER.

Number of teachers: 123.
Number of students: 1,912.

DEANS:

Business: WILBUR R. GARRETT, PH.D.
Engineering: RICHARD KULF, PH.D.
Law: J. REX DIBBLE, LL.B.
Arts and Sciences: Rev. TERRANCE L. MAHAN, S.J.
Men: Rev. ALFRED J. KILP, S.J.

UNIVERSITY OF MAINE

ORONO, MAINE
Telephone: Orono 8664441
Founded 1865.

President: LLOYD H. ELLIOTT, D.ED.
Vice-President for Academic Affairs: H. AUSTIN PECK, PH.D.
Registrar and Director of Student Services: GEORGE H. CROSBY, B.A.
Treasurer: HARRY W. GORDON, B.A.
Librarian: JAMES MAC CAMPBELL.

Number of teachers: 369.
Number of students: 2,940 men, 1,450 women, total 4,390.
Publications: *Bulletin, Maine Studies, Agricultural Experimental Station Publications, Co-operative Extension Bulletins, Technology Experiment Station Publications.*

DEANS:

College of Agriculture: WINTHROP C. LIBBY, B.S., M.S.
College of Arts and Sciences: JOSEPH M. MURRAY, M.A., PH.D.
College of Technology: THOMAS H. CURRY, B.S., PH.D., P.E.
College of Education and Director Summer Session: MARK R. SHIBLES, B.A., M.ED., L.H.D., D.ED.
Graduate Study: FRANKLIN P. EGGERT, B.S., M.S., PH.D.
University of Maine School of Law in Portland: EDWARD S. GODFREY, A.B., LL.B.
Men: JOHN E. STEWART, M.A.
Women: MARY S. ZINK, B.A., M.A., PH.D.
Editor of University Publications: HOWARD A. KEYO, B.S.

MARQUETTE UNIVERSITY

MILWAUKEE, WISCONSIN 53233
Telephone: DIvision 4-1000

Founded 1864 as Marquette College; chartered as a university in 1907.

President: Very Rev. WILLIAM F. KELLEY, S.J., M.A., S.T.L., PH.D.
Chancellor: Rev. EDWARD J. O'DONNELL, S.J., B.A., LL.D.
Vice-Presidents: Rev. JOHN P. RAYNOR, S.J., M.A., PH.D., Rev. RAYMOND R. MCAULEY, S.J., A.B., M.A.
Registrar: ROMAN S. GAWKOSKI, A.M., PH.D.
Director of Libraries: WILLIAM A. FITZGERALD, M.A., PH.D.

The library contains 325,000 volumes.
Number of teachers: 1,316.
Number of students: 7,314 men, 4,564 women, total 11,878.

Publications: *Marquette University Bulletin* (published monthly), *The Marquette Law Review* (published quarterly), *The Marquette Engineer* (published quarterly), *The Marquette Journal* (published quarterly), *The Marquette Tribune* (published twice weekly), *Business Review* quarterly), *Fresh Ink* (annual), *Marquette Magazine* (quarterly), *The Marquette Alumnus* (monthly), *The Marquette Medical Review* (quarterly).

DEANS:

College of Business Administration: T. R. MARTIN, M.B.A., PH.D.
School of Dentistry: LEONARD C. ALEXANDER, D.D.S.
Dental Hygiene Curricula: ELIZABETH M. LINN, B.S.
College of Engineering: A. BERNARD DROUGHT, M.S., M.A., D.S.

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Graduate School: Rev. Lawrence W. Friedrich, S.J., M.S., PH.D.
College of Journalism: Donald McDonald, PH.B., M.A.
Law School: Reynolds C. Seitz, A.M., LL.B.
College of Liberal Arts: Rev. Robert G. Gassert, S.J., S.T.D.
School of Medicine: John S. Hirschnoeck, M.D., M.S.
Medical Technology Curriculum: Alice Marie Semrad, B.S., M.S. (*Director*).
Physical Therapy Curriculum: Beth J. Phillips, B.S., M.A. (*Director*).
College of Nursing: Sister M. Thomas Kolba, O.S.F., M.S.
School of Speech: Hugo E. Hellman, M.A., PH.D.
Summer Session and Continuing Education: Brother Leo V. Ryan, C.S.V., M.B.A., PH.D.

UNIVERSITY OF MARYLAND

COLLEGE PARK, PRINCE GEORGE'S COUNTY AND BALTIMORE, MARYLAND

Founded 1807

President: Wilson H. Elkins, PH.D.
Executive Vice-President: Albin O. Kuhn, PH.D.
Vice-President for Academic Affairs: R. Lee Hornbake, PH.D.
Director of Admissions and Registration: G. Watson Algire, M.S.
Director of Finance and Business: C. W. Cissel, M.A.
Registrar: James P. Hill, ED.M.
Librarian: Howard Rovelstad, M.A., B.S.L.S.

The library contains 552,000 volumes.
Number of teachers: 2,393.
Number of students: 30,879, with an additional 34,199 registered in overseas centres.

Deans:

College of Arts and Sciences: Charles Manning, PH.D. (acting).
College of Agriculture: Gordon M. Cairns, PH.D.
College of Business and Public Administration: Donald W. O'Connell, PH.D.
College of Education: Vernon E. Anderson, PH.D.
College of Engineering: Frederic T. Mavis, PH.D.
College of Home Economics: Selma F. Lippeatt, PH.D.
University College: Ray Ehrensberger, PH.D.
College of Physical Education, Recreation and Health: L. M. Fraley, PH.D.
Graduate School: Ronald Bamford, PH.D.
School of Dentistry: John H. Salley, D.D.S.
School of Law: William P. Cunningham, LL.B.
School of Medicine: William S. Stone, M.D.
School of Pharmacy: Noel E. Foss, PH.D.
School of Nursing: Florence M. Gipe, M.S., R.N.
Men: Geary Eppley, M.S.
Women: Helen E. Clarke, ED.D.
Executive Dean for Student Life: B. James Borreson, B.A.

At College Park

Colleges of Agriculture; Arts and Sciences; Business and Public Administration; Education; Engineering; Home Economics; Military Science; Nursing; Physical Education; Recreation and Health; University College; the Graduate School; Summer Session; Agricultural Experiment Station; Agricultural and Extension Service; Natural Resources Institute; Fire Service Extension; Institute for Fluid Dynamics and Applied Mathematics.

At Baltimore

Schools of Dentistry, Law, Medicine, Nursing, Pharmacy, University Hospital, University College, School of Social Work; the Board of Regents serves as Maryland State Board of Agriculture).

UNIVERSITY OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

Chartered as Massachusetts Agricultural College 1863; name changed to Massachusetts State College 1931, to University 1947.

President: John William Lederle, A.B., A.M., LL.B., PH.D.
Secretary: John W. Ryan, B.A., M.A., PH.D.
Treasurer: Kenneth W. Johnson, B.S.
Registrar: Marshall O. Lamphear, M.S.
Librarian: Hugh Montgomery, B.S.

The library contains 250,000 volumes.
Number of teachers: 551.
Number of students: 6,500.

Deans:

Provost: Gilbert Woodside, M.A., PH.D.
College of Arts and Sciences: Isaac Moyer Hunsberger, B.S., M.S., PH.D.
College of Agriculture: Dr. Arless A. Spielman, B.S., M.S., PH.D.
School of Business Administration: Himy B. Kirshen, B.S., M.A., PH.D.
School of Engineering: George A. Marston, B.S.C.E., M.S., D.ENG.
School of Home Economics: Marion A. Niederpruem, B.S., M.A., PH.D.
School of Nursing: Mary A. Maher, B.S., A.M.
School of Education: Albert W. Purvis, A.B., M.ED., D.ED.
School of Physical Education: Warren P. McGuirk, PH.B.
Men: Robert S. Hopkins, Jr., B.A., M.ED.
Women: Helen Curtis, A.M.
Graduate School: Edward C. Moore.

Associated School and College:

Stockbridge School of Agriculture: est. 1918; two-year practical course in Agriculture.
Director: Fred P. Jeffrey, B.S., M.S.

MEMPHIS STATE UNIVERSITY

MEMPHIS 11, TENNESSEE

Founded 1909

President: C. C. Humphreys.
Dean: R. M. Robinson.
Dean of Women: Flora Rawls.
Bursar: Lamar Newport.
Registrar: R. P. Clark.
Librarian: E. L. Brown.

Number of teachers: 225, including 46 professors.
Number of students: 2,781 men, 1,725 women, total 4,506.

Directors:

Public Relations: Harry Woodbury.
Graduate School: Dr. John W. Richardson, Jr.
School of Arts and Sciences: Dr. Walter Rhea Smith.
School of Business Administration: Herbert J. Markle.
School of Education: S. H. Johnson.

MERCER UNIVERSITY

(Baptist)

MACON, GEORGIA

Telephone: Sh 3-1511

Chartered 1833

President: Dr. Rufus Carrollton Harris.
Registrar: Louise Brown.
Business Officer: William T. Haywood.
Librarian: Charles Stone.

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Number of teachers: 126.
Number of students: 1,492.
Publication: *Mercer University Bulletin.*

DEANS:

Arts and Sciences: ROBERT H. SPIRO.
Director of Graduate Studies: PAUL CABLE.
Law: JAMES C. QUARLES.
Pharmacy: OLIVER LITTLEJOHN.
Summer Session: ROBERT H. SPIRO.
Dean of Men: JOSEPH HENDRICKS.
Dean of Women: HELEN GLENN.
Director of Admissions: JOHN T. MITCHELL.
Chapel: FRANCIS ROBERT OTTO.

UNIVERSITY OF MIAMI

CORAL GABLES, FLORIDA

Chartered 1925

President: HENRY KING STANFORD.
Executive Vice-President: ROBERT JOHNS.
Vice-President and Dean of Faculties: CHARLES DOREN THARP.
Vice-President and Treasurer: EUGENE E. COHEN, M.B.A.
Vice-President: H. F. WILLIAMS, PH.D.
Registrar: KEITH W. SMITH.
Librarian: ARCHIE LIDDELL MCNEAL, PH.D.

Number of teachers: 444 full-time, 125 part-time, 110 professors.

Number of students: Day: 6,840 men, 2,631 women, total 9,111; Evening: 2,614 men, 1,639 women, total 4,253; grand total 13,364.

Publications: *University of Miami Press* (book publications), *Bulletins:* General, Graduate, Evening and Summer Sessions, *Miami Hurricane* (student weekly newspaper), *Tempo* (monthly), *Ibis* (Yearbook).

DEANS:

Faculties: CHARLES DOREN THARP, PH.D.
Students: NOBLE HENDRIX, M.A.
Graduate School: J. RUS OWRE, PH.D.
College of Arts and Sciences: E. MORTON MILLER, PH.D.
School of Business Administration: CLARK E. MYERS.
School of Education: JOHN R. BEERY, PH.D., LL.D.
School of Engineering: THEODORE A. WEYHER, M.S.
School of Law: (vacant).
School of Medicine: HAYDEN C. NICHOLSON.
School of Music: JOHN BITTER.
Evening Division: DAN STEINHOFF, JR., D.S.SC.
Men: BEN E. DAVID, M.LITT.
Women: MAY A. BRUNSON, A.M.

MIAMI UNIVERSITY

OXFORD, OHIO

Founded 1809

President: JOHN DAVID MILLETT, PH.D., LL.D.
Provost: CHARLES R. WILSON, PH.D.
Registrar: W. C. SMYSER.
Librarian: LELAND S. DUTTON, B.S., L.S.

Number of teachers: 430.
Number of students: 10,858.

DEANS:

Arts and Science: KARL ESSLINGER LIMPER, PH.D.
Business: RAYMOND E. GLOS, PH.D.
Education: C. NEALE BOGNER, ED.D.
Fine Arts: GEORGE BARRON, M.F.A.
Graduate School: H. BUMKER WRIGHT, PH.D.
Summer Session and Extension: EARL V. THESKEN, A.M.
Dean of Students: ROBERT FILES ETHERIDGE, ED.D.
Dean of Women: RUTH E. WARFEL, M.S.
Dean of Men: WILLIAM T. HOLLINGSWORTH, ED.D.

THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN

Telephone: Area Code: 313 663-1511
Telegraphic Address: Univ. of Mich., Ann Arbor, Mich.

Founded 1817

President: HARLAN HATCHER, PH.D., LITT.D., LL.D.
Executive Vice-President: MARVIN L. NIEHUSS, A.B., LL.B.
Vice-President for Academic Affairs: ROGER W. HEYNS PH.D.
Vice-President in charge of Business and Finance: WILBUR K. PIERPONT, M.B.A., PH.D.
Vice-President for Student Affairs: JAMES A. LEWIS, ED.D.
Vice-President for Research and Dean of Graduate School: RALPH SAWYER, PH.D., SC.D., LL.D.
Vice-President and Director of Dearborn Center: WILLIAM E. STIRTON, M.S., SC.D.
Secretary of the University: ERICH A. WALTER, A.M.
Director of University Relations: MICHAEL RADOCK, M.A.
Director of the Office of Registration and Records: EDWARD G. GROESBECK, PH.D.
Director of Admissions: CLYDE VROMAN, PH.D.
Director of the University Library: FREDERICK H. WAGMAN, PH.D.
University Observatory, Chairman, Department of Astronomy: FREEMAN D. MILLER, PH.D.

Library: *see* Libraries.
Number of teachers: 2,688.
Number of resident students: 17,245 men, 9,307 women, total 26,552.

DEANS:

College of Architecture and Design: PHILIP N. YOUTZ, M.A.
College of Engineering: STEPHEN S. ATTWOOD, M.S.
College of Literature, Science and the Arts: WILLIAM HABER, PH.D.
College of Pharmacy: TOM D. ROWE, M.S., PH.D.
School of Graduate Studies: RALPH A. SAWYER, PH.D., SC.D., LL.D.
Law School: ALLAN F. SMITH, S.J.D.
Medical School: WILLIAM N. HUBBARD, A.B., M.D.
School of Business Administration: FLOYD A. BOND, PH.D.
School of Dentistry: PAUL H. JESERICH, A.B., D.D.S.
School of Education: WILLARD C. OLSON, A.M., PH.D.
School of Natural Resources: STEPHEN H. SPURR, PH.D.
School of Music: JAMES B. WALLACE, M.MUS.
School of Nursing: RHODA R. RUSSELL, A.M., R.N.
School of Public Health: MYRON E. WEGMEN, M.D., M.P.H.
School of Social Work: FEDELE F. FAURI, LL.B.
Flint College: DAVID M. FRENCH, B.LITT., M.A., PH.D.

PROFESSORS:

ABELL, MURRAY R., M.D., PH.D. (Pathology).
ACKERMANN, W. WILBUR, PH.D. (Epidemiology).
ACKLEY, GARDNER, PH.D. (Economics).
ADAMSON, THOMAS C., JR., PH.D. (Aeronautical and Astronautical Engineering).
ALBANO, JOSEPH F., M.A. (Architecture).
ALEXANDER, PAUL J., DR.JUR., PH.D. (History).
ALLEN, FRANCIS A., A.B., LL.B. (Law).
ALLEN, WYETH, B.M.E., D.ENG. (Industrial Engineering).
ALSTON, WILLIAM P., PH.D. (Philosophy).
ALT, GLENN L., C.E. (Civil Engineering).
ALVORD, HERBERT H., M.S.E. (Mechanical Engineering).
ANDERSON, IRVING H., PH.D. (Education).
ANDERSON, LEIGH C., PH.D. (Chemistry).

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ANDERSON, LESTER W., PH.D. (Education).
ANDERSON-IMBERT, ENRIQUE E., DR. EN FIL. Y LET. (Spanish).
ANGELL, ROBERT COOLEY, A.M., PH.D. (Sociology).
APPLEGATE, OLIVER C., D.D.S., D.D.SC. (Dentistry).
ARNOLD, CHESTER A., PH.D. (Botany and Geology).
ARTHOS, JOHN, PH.D. (English).
ATKINSON, JOHN W., PH.D. (Psychology).
ATTWOOD, STEPHEN STANLEY, M.S. (Electrical Engineering).
AXELROD, SOLOMON JACOB, M.D. (Public Health Economics).
BADER, ARNO L., A.M., PH.D. (English).
BADGLEY, CARL EGBERT, B.S., M.D. (Surgery).
BAGCHI BASU K., PH.D. (Psychiatry).
BAIRD, CLARABEL B., A.M. (Speech).
BAKER, BURTON L., PH.D. (Anatomy).
BAKER, DEAN C., A.B. (Journalism).
BALLIS, WILLIAM B., PH.D. (Political Science).
BALD, F. CLEVER, PH.D., (History).
BARRY, ALEXANDER, PH.D. (Anatomy).
BARTELS, ROBERT C. F., PH.D. (Mathematics).
BATES, MARSTON, PH.D., D.SC. (Zoology).
BAXTER, DOW V., PH.D. (Forest Pathology and Botany).
BEACH, LOWELL W., PH.D. (Education).
BEAN, JOHN W., PH.D., M.D. (Physiology).
BEARDSLEY, RICHARD K., PH.D. (Anthropology).
BECKETT, MORLEY B., M.D. (Public Health).
BEEUWKES, ADELIA M., M.S. (Public Health Nutrition).
BEIRMAN, SAMUEL JAN, CH.B., F.R.C.O.G. (Obstetrics and Gynæcology, Postgraduate Medicine, and Maternal and Child Health).
BEIERWALTES, WILLIAM H., A.B., M.D. (Internal Medicine).
BENFORD, HARRY B., B.S.E. (Naval Architecture and Marine Engineering).
BENNINGHOFF, WILLIAM S., PH.D. (Botany).
BERG, GLEN V., PH.D. (Civil Engineering).
BERNSTEIN, RICHARD B., PH.D. (Chemistry).
BERRY, RALPH M., B.C.E. (Geodesy and Surveying).
BIDELMAN, WILLIAM P., PH.D. (Astronomy).
BIGELOW, WILBUR C., PH.D. (Chemical and Metallurgical Engineering).
BISHOP, WILLIAM W., Jr., A.B., J.D. (Law).
BLACKETT, OLIN WINTHROP, A.M., PH.D. (Business Statistics).
BLAKE, WARREN EVERETT, A.M., PH.D. (Greek).
BLATT, JOSEF (Music).
BLOOMER, H. HARLAN, PH.D. (Speech).
BLUM, GERALD S., PH.D. (Psychology).
BOHR, DAVID F., M.D. (Physiology).
BOLT, JAY A., M.M.E., M.S., M.E. (Mechanical Engineering).
BOND, FLOYD A., PH.D. (Business Economics).
BORCHARDT, JACK A., PH.D. (Civil Engineering).
BORDIN, EDWARD S., PH.D. (Psychology).
BOULDING, KENNETH E., M.A. (Economics).
BOWDITCH, JOHN, PH.D. (History).
BOYS, RICHARD C., PH.D. (English).
BRANDT, CARL GUNARD, LL.M. (English).
BRASSFIELD, CHARLES R., PH.D. (Physiology).
BRATER, ERNEST F., PH.D. (Hydraulic Engineering).
BRAUN, FRANK X., PH.D. (German).
BRAZER, HARVEY E., PH.D. (Economics).
BRIGGS, LOUIS I., PH.D. (Geology).
BRITTON, W. EARL, PH.D. (English).
BROCKWAY, LAWRENCE O., PH.D. (Chemistry).
BROMAGE, ARTHUR WATSON, A.M., PH.D. (Political Science).
BROWDER, OLIN L., Jr., A.B., LL.B., S.J.D. (Law).
BROWN, DEMING B., PH.D. (Slavic Languages and Literature).
BROWN, DUGALD E. S., PH.D. (Zoology).
BROWN, GERALD S., PH.D. (History).
BROWN, GORDON C., M.A., SC.D. (Epidemiology).
BROWN, RICHARD K., PH.D. (Electrical Engineering).
BROWNELL, LLOYD E., PH.D. (Chemical and Metallurgical Engineering and Nuclear Engineering).
BRUBACHER, JOHN S., PH.D. (Higher Education).
BRUMFIEL, CHARLES, PH.D. (Mathematics).
BRUMMET, R. LEE, PH.D., C.P.A. (Accounting).
BULL, HEMPSTEAD S., M.S. (Electrical Engineering).
BURCKHALTER, JOSEPH H., PH.D. (Pharmaceutical Chemistry).
BURKLUND, CARL EDWIN, A.M., PH.D. (English).
BURKS, ARTHUR W., PH.D. (Philosophy).
BURT, WILLIAM H., A.M., PH D. (Zoology).
CAIN, STANLEY A., PH.D. (Conservation and Botany).
CALVER, EDWARD T., PH.D. (English).
CAMERON, GEORGE G., A.M., PH.D., LITT.D. (Near Eastern Cultures).
CAMPBELL, ANGUS, PH.D. (Psychology and Sociology).
CAREY, JOHN J., M.S. (Electrical Engineering).
CARR, ARTHUR J., PH.D. (English).
CARR, EDWARD A., Jr., A.B., M.D. (Postgraduate Medicine and Pharmacology).
CARTER, MARY D., PH.D. (Library Science).
CARTWRIGHT, DORWIN, PH.D. (Psychology).
CASE, AVA C., A.B., M.MUS. (Piano).
CASE, KENNETH M., PH.D. (Physics).
CASE, LEE O., PH.D. (Chemistry).
CASSARA, FRANK, M.S.DES. (Art).
CESARI, LAMBERTO, PH.D. (Mathematics).
CHAMBERS, WALTER L., M.L.A. (Landscape Architecture).
CHASE, WARREN W., PH.D. (Wildlife Management).
CHILD, CHARLES G., A.B., M.D. (Surgery).
CHRISTENSEN, HALVOR N., PH.D. (Biological Chemistry).
CHRISTMAN, ADAM A., PH.D. (Biological Chemistry).
CHU, CHIAO-MIN, PH.D. (Electrical Engineering).
CHURCHILL, RUEL VANCE, M.S., PH.D. (Mathematics).
CHURCHILL, STUART W., PH.D. (Chemical Engineering).
CLARK, JOHN A., SC.D. (Mechanical Engineering).
CLARK, SAMUEL K., PH.D. (Engineering Mechanics).
CLAUDE, INIS L., Jr., PH.D. (Political Science).
CLOVER, ELZADA U., PH.D. (Botany).
COBURN, NATHANIEL, PH.D. (Mathematics).
COFFEY, HOBART RAPHAEL, A.B., J.D. (Law).
COHEN, WILBUR J., PH.B. (Public Welfare Administration).
COJEEN, ROBERT H., M.B.A., D.B.A. (Business Administration).
COLLINS, MORGAN, B.S., M.B.A. (Business Administration).
COLWELL, LESTER V., B.S.E.(M.E.), M.S. (Mechanical Engineering).
CONARD, ALFRED F., A.B., LL.M., J.S.D. (Law).
CONN, JEROME W., M.D. (Internal Medicine).
COOK, WARREN A., A.B. (Industrial Health and Hygiene).
COOMBS, CLYDE H., A.M., PH.D. (Psychology).
COON, MINOR J., PH.D. (Biological Chemistry).
COOPER, DAN H., M.A., PH.D. (Educational Administration).
COOPER, FRANK E., A.B., J.D. (Law).
COOPERRIDER, LUKE K., B.S., J.D. (Law).
COPELAND, ARTHUR H., Sr., PH.D. (Mathematics).
COPI, IRVING M., PH.D. (Philosophy).
COPLEY, FRANK O., PH.D. (Latin).
COUCH, RICHARD B., B.S., AE.E. (Naval Architecture and Marine Engineering).
COURTE, ROBERT, Diplome Supérieur, Brussels (Viola and Chamber Music).
COWAN, DONALD R. G., PH.D. (Marketing).
CRAIG, CECIL CALVERT, A.M., PH.D. (Mathematics).
CRAINE, LYLE E., PH.D. (Conservation).
CRANE, H. R., PH.D. (Physics).
CRANEFIELD, ELEANOR G., A.M. (Social Work).
CRISLER, HERBERT ORIN, B.S. (Physical Education).
CROWLEY, MARY C., M.S.P.H. (Dentistry).
CRUMP, JAMES I., Jr., PH.D. (Chinese).
CUNNINGHAM, ROGER A., LL.B. (Law).
CURTIS, ARTHUR COVEL, B.S., M.D. (Dermatology and Syphilology).
CUTRONA, LOUIS J., PH.D. (Electrical Engineering).
CUYLER, LOUISE E., PH.D. (Music).
DARLING, DONALD A., PH.D. (Mathematics).
DAVENPORT, FRED M., M.D., SC.MED.D. (Internal Medicine and Epidemiology).
DAVENPORT, HORACE W., PH.D. (Physiology).
DAVEY, WINTHROP N., A.B., M.D. (Internal Medicine).
DAVID, HANS T., PH.D. (Music).
DAVIS, CHARLES M., A.M., PH.D. (Geography).
DAVIS, JOE L., PH.D. (English).
DAVIS, KENNETH P., M.F., PH.D. (Forest Management).
DAVISSON, CHARLES N., PH.D. (Marketing).
DAWSON, WILLIAM R., PH.D. (Zoology).
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DEMPSTER, WILFRID TAYLOR, SC.D. (Anatomy).
DENNING, REYNOLDS M., PH.D. (Mineralogy).
DENNISON, DAVID MATHIAS, PH.D. (Physics).
DENO, RICHARD A., PH.D. (Pharmacognosy).
DENSMORE, GAIL ERNEST, A.M. (Speech).
DEXTER, BENNING W., M.S. (Piano).
DIMOND, STANLEY E., PH.D. (Education).
DIXON, ROBERT L., M.B.A., PH.D., C.P.A. (Accounting).
DIXON, W. ROBERT, PH.D. (Education).
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DOMINO, EDWARD F., M.S., M.D. (Pharmacology).
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DOW, WILLIAM G., M.S.E. (Electrical Engineering).
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GERARD, RALPH W., M.D., PH.D.(PHYSIOL.) (Neurophysiology).
GERHARDT, PHILIPP, PH.D. (Bacteriology).
GETTING, VLADO A., M.D., DR.PH. (Public Health Administration).
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GJELSNESS, RUDOLPH H., A.B., B.L.S., LITT.D. (Library Science).
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GRAF, OTTO G., PH.D. (German).
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GREENBERG, G. ROBERT, PH.D. (Biological Chemistry).
GREGORY, GUSTAV ROBINSON, PH.D. (Resource Economics).
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GRIMES, DALE M., PH.D. (Electrical Engineering).
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HAIGHT, CAMERON, M.D. (Surgery).
HAIRSTON, NELSON G., PH.D. (Zoology).
HALFORD, JOSEPH O., PH.D. (Chemistry).
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HALL, KEITH W., B.S. (Mechanical Engineering).
HALL, ROBERT BURNETT, A.M., PH.D. (Geography).
HALMOS, PAUL R., PH.D. (Mathematics).
HALSTEAD, WILLIAM P., PH.D. (Speech).
HAMMETT, RALPH WARNER, M.ARCH. (Architecture).
HAMMITT, FREDERICK G., PH.D. (Nuclear Engineering).
HANCOCK, WALTON M., D.ENG. (Industrial Engineering).
HANDLER, A. BENJAMIN, M.S.C.(ECON.) (Architecture).
HANSEN, ARTHUR G., PH.D. (Mechanical Engineering).
HARD, DOROTHY, D.D.S., M.S.P.H. (Dentistry).
HARRELL, E. RICHARD, JR., M.D. (Dermatology).
HARRIS, Lt.-Col. THOMAS A., B.S.(M.E.) (Military Science).
HARRISON, GEORGE B., M.A., PH.D. (English).
HARTSOOK, JOSEPH T., M.S., D.D.S. (Dentistry).
HARTWEG, NORMAN E., PH.D. (Zoology).
HARVEY, WILLIAM B., A.B., J.D. (Law).
HATCHER, HARLAN, PH.D., LL.D. (English).
HAUGH HAROLD A., A.B., M.S.M., B.D. (Voice).
HAWLEY, AMOS H., A.M., PH.D. (Sociology).
HAY, GEORGE E. ,PH.D. (Mathematics).
HAYES, DOUGLAS ANDERSON, PH.D. (Finance).
HAYS, WILLIAM L., PH.D. (Psychology).
HAYTHORNTHWAITE, ROBERT M., PH.D. (Engineering Science).
HAYWARD, JAMES ROGER, D.D.S. (Dentistry).
HAZEN, WAYNE E., PH.D. (Physics).
HEADY, FERREL, PH.D. (Political Science).
HEGER, THEODORE E., B.A., M.MUS. (Music Literature).
HEINRICH, E. WILLIAM, PH.D. (Mineralogy).
HEINS, ALBERT E., PH.D. (Mathematics).
HELANDER, LINN, B.S.(M.E.) (Mechanical Engineering).
HELLER, CATHERINE B., B.S.ARCH. (Design).
HENDERSON, ALGO D., M.B.A., LL.D., L.H.D. (Higher Education).
HENDERSON, JOHN W., M.D., PH.D. (Ophthalmology).
HEPWORTH, SAMUEL R., PH.D., C.P.A. (Accounting).
HERBERT, RALPH, Dr. of Laws (Music).
HERTZLER, EMANUEL C., PH.D. (Biology).
HESS, ROBERT L., PH.D. (Engineering Mechanics).
HEWSON, E. WENDELL, PH.D. (Meteorology).
HEYNS, ROGER W., PH.D. (Psychology).
HIBBARD, CLAUDE W., A.M., PH.D. (Geology).
HICKS, SAMUEL P., A.B., M.D. (Pathology).
HIGHAM, JOHN, PH.D. (History).
HINERMAN, DORIN L., A.B., M.D. (Pathology).
HOAD, WILLIAM M., PH.D. (Small Business).
HODGES, FRED J., B.S., M.D. (Radiology).
HOK, GUNNAR, E.E. (Electrical Engineering).
HOLLAND, LEWIS N., M.S. (Electrical Engineering).
HOLT, JOHN F., B.S., M.D. (Radiology).
HOOBLER, SIBLEY W., SC.D., M.D. (Internal Medicine).
HOOD, MARGUERITE V., M.M., MUS.D. (Music Education).
HOOPER, EMMET T., PH.D. (Zoology).
HOPKINS, CLARK, PH.D. (Classical Art and Archæology).
HOURANI, GEORGE F., PH.D. (Arabic Studies).
HOUSEL, WILLIAM S., M.S.E. (Civil Engineering).
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HUNTLEY, FRANK LIVINGSTONE, PH.D. (English).
HUTCHCROFT, C. ROBERT, ED.D. (Industrial Arts Education).
HYDE, JOHN W., M.C.P. (Planning).
HYMA, ALBERT, A.M., PH.D. (History).
IGLEHART, ROBERT L., B.S.ED. (Art).
ISAKSON, GABRIEL, SC.D. (Aeronautical Engineering).
JAY, PHILIP, D.D.S., M.S., SC.D. (Dentistry).
JENKINS, HERBERT T., B.S.E.(C.E.), M.S.E. (Engineering Graphics).
JENSEN, GALE E., PH.D. (Education).
JOCHIM, KENNETH E., PH.D. (Physiology).
JOHNSTON, BRUCE G., PH.D. (Structural Engineering).
JOHNSTON, FRANKLIN D., B.S.E.(E.E.), M.D. (Internal Medicine and Postgraduate Medicine).
JOINER, CHARLES W., A.B., J.D. (Law).
JONES, KENNETH L., PH.D. (Botany).
JONES, PHILLIP S., PH.D. (Mathematics).
JULIN, JOSEPH, B.S.L., LL.B. (Law).
JUVINALL, ROBERT C., M.A.E., M.S.M.E. (Mechanical Engineering).
KADISH, SANFORD H., B.S.S., LL.B. (Law).
KAHN, EDGAR A., M.D. (Surgery).
KALLENBACH, JOSEPH E., A.M., PH.D. (Political Science).
KAMROWSKI, GEROME (Drawing and Painting).
KAPLAN, ABRAHAM, PH.D. (Philosophy).
KAPLAN, WILFRED, PH.D. (Mathematics).
KATONA, GEORGE, PH.D. (Psychology and Economics).
KATZ, DANIEL, M.A., PH.D. (Psychology).
KATZ, DONALD LAVERNE, M.S., PH.D. (Chemical Engineering).
KATZ, ERNST, PH.D. (Physics).
KAUFMANN, BERWIND P., PH.D. (Zoology).
KAUPER, PAUL G., A.B., J.D., LL.D. (Law).
KAZDA, LOUIS F., PH.D. (Electrical Engineering).
KELL, WALTER G., PH.D., C.P.A. (Accounting).
KELLER, MIRIAM L., M.S., R.N. (Nursing).
KELLUM, LEWIS B., PH.D. (Geology).
KELLY, E. LOWELL, PH.D., SC.D. (Psychology).
KELMAN, HERBERT C., PH.D. (Psychology).
KEMP, NORMAN E., PH.D. (Zoology).
KEMPE, LLOYD L., PH.D. (Chemical and Sanitary Engineering).
KENNEDY, FRANK R., LL.B., J.S.D. (Law).
KERR, DONALD A., A.B., D.D.S. (Dentistry).
KERR, WILLIAM, PH.D. (Nuclear and Electrical Engineering).
KESLING, ROBERT V., PH.D. (Geology).
KETCHAM, WARREN A., PH.D. (Education).
KIDDLE, LAWRENCE B., PH.D. (Spanish).
KIKUCHI, CHIHIRO, PH.D. (Nuclear Engineering).
KILGOUR, RAYMOND LINCOLN, PH.D. (Library Science).
KIMBALL, SPENCER L., B.S., B.C.L. (Law).
KING, JOHN S., PH.D. (Nuclear Engineering).
KINGERY, RICHARD HENRY, B.S., D.D.S. (Dentistry).
KISH, GEORGE, D.SC., PH.D. (Geography).
KISH, LESLIE, PH.D. (Sociology).
KLEIN, MAYNARD J., M.MUS. (Choral Music).
KOHL, JOHN CLAYTON, B.S.E.(C.E.) (Civil Engineering).
KOLLEN, JOHN L. (Piano).
KUETHE, ARNOLD M., PH.D. (Aerodynamics).
KUHN, SHERMAN MCALLISTER, PH.D. (English).
KURATH, HANS, PH.D. (English).
LAGLER, KARL FRANK, PH.D. (Zoology; Fisheries).
LAHTI, AARRE K., B.F.A. (Design).
LAING, LIONEL H., PH.D. (Political Science).
LAMORE, CHET H., M.A. (Drawing and Painting).
LAMPE, ISADORE, PH.D., M.D. (Radiology).
LANDECKER, WERNER S., J.U.D., PH.D. (Sociology).
LANDES, KENNETH KNIGHT, A.M., PH.D. (Geology).
LANGFORD, COOPER HAROLD, PH.D. (Philosophy).
LANSING, JOHN B., PH.D. (Economics).
LAPORTE, OTTO, PH.D. (Physics).
LARSON, C. THEODORE, M.ARCH. (Architecture).
LAWRENCE, MERLE, PH.D. (Otolaryngology).
LEGATSKI, LEO M., SC.D. (Civil Engineering).
LEONARD, IRVING A., PH.D. (Spanish-American Literature and History).
LESLIE, WILLIAM R., LL.B., PH.D. (History).
LEVINSON, HAROLD M., M.B.A., PH.D. (Economics).
LEVEQUE, WILLIAM J., PH.D. (Mathematics).
LEWIS, JAMES A., ED.D. (Education).
LEWIS, THELMA B., M.MUS. (Voice).
LIKERT, RENSIS, A.B., PH.D. (Psychology and Sociology).
LILLYA, CLIFFORD P., M.MUS. (Trumpet and Cornet).
LIPPITT, RONALD, M.A., PH.D. (Psychology and Sociology).
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LYON, JOHN A. M., PH.D. (Electrical Engineering).
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MCCLURE, THOMAS F., M.F.A. (Design).
MCCLUSKY, HOWARD YALE, PH.D., LL.D. (Educational Psychology).
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MCNEIL, ELLA E., M.A., R.N. (Public Health Nursing).
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MILLER, NORMAN FRITZ, B.S., M.D. (Obstetrics and Gynæcology; Diseases of Women and Children).
MILLER, ROBERT R., PH.D. (Zoology).
MINER, HORACE M., A.M., PH.D. (Sociology and Anthropology).
MOHLER, ORREN C., PH.D. (Astronomy).
MOORE, ARTHUR DEARTH, M.S. (Electrical Engineering).
MOORE, FELIX E., B.A. (Biostatics).
MOORE, FRANKLIN G., PH.D. (Industrial Management).
MORGAN, EDITH G., M.S., R.N. (Nursing).
MORGAN, JAMES N., PH.D. (Economics).
MORLEY, DOUROSSOFF E., PH.D. (Speech).
MORRISON, RICHARD B., PH.D. (Aeronautical Engineering).
MORSE, WILLIAM C., PH.D. (Educational Psychology).
MOSHER, RAYMOND F., S.M. (Electrical Engineering).
MOUZON, JAMES C., PH.D. (Electrical Engineering).
MOYERS, ROBERT E., D.D.S., PH.D. (Dentistry).
MUELLER, FLORIAN F., M.MUS. (Oboe).
MUESCHKE, PAUL, PH.D. (English).
MURCHIE, WILLIAM R., PH.D. (Zoology).
MUSCHENHEIM, WILLIAM, M.ARCH. (Architecture).
MYERS, GEORGE E., M.S., D.D.S. (Dentistry).
NACE, GEORGE W., PH.D. (Zoology).
NEEL, JAMES V., PH.D., M.D. (Human Genetics and Internal Medicine).
NELSON, NORMAN E., A.M., PH.D. (English).
NELSON, WILBUR C., M.S.E. (Aeronautical Engineering).
NESBIT, REED MILLER, A.B., M.D. (Surgery).

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NESBITT, CECIL J., A.M., PH.D., F.S.A. (Mathematics).
NEWCOMB, THEODORE M., PH.D. (Sociology and Psychology).
NIEHUSS, MARVIN L., A.B., LL.B. (Law).
NIESS, ROBERT JUDSON, PH.D. (French).
NOEHREN, ROBERT, MUS.D. (Organ and Church Music).
NORMAN, A. GEOFFREY, PH.D., D.SC. (Botany).
NORTHROP, PHILIP M., D.D.S. (Dentistry).
NUNGESTER, WALTER J., M.S., SC.D., M.D. (Bacteriology).
ODIORNE, GEORGE S., PH.D. (Industrial Relations).
OGDEN, HENRY V. S., PH.D. (English).
OLDS, JAMES, PH.D. (Psychology).
OLSON, WILLARD CLIFFORD, A.M., PH.D. (Education and Psychology).
ONCLEY, J. LAWRENCE, PH.D. (Chemistry and Biological Chemistry).
O'NEILL, JAMES C., PH.D. (French).
OPPENHEIM, S. CHESTERFIELD, A.M., J.D., S.J.D. (Law).
ORMONDROYD, JESSE, A.B. (Engineering Mechanics).
OSBORN, RICHARD K., PH.D. (Nuclear Engineering).
OSTRANDER, FLOYD D., M.S., D.D.S. (Dentistry).
PALMER, GEORGE E., A.B., J.D., LL.M. (Law).
PALMER, WILLIAM B., A.M. (Economics).
PAPER, HERBERT H., PH.D. (Near Eastern Languages and Linguistics).
PARKINSON, WILLIAM C., PH.D. (Physics).
PARRAVANO, GIUSEPPE, PH.D.(E.E.), PH.D.(CHEM.) (Chemical and Metallurgical Engineering).
PARRY, ROBERT W., PH.D. (Chemistry).
PAULSEN, S. GLEN, M.S.(ARCH). (Architecture).
PEAK, HELEN, PH.D. (Psychology).
PEARCE, JACK R., A.B., LL.B. (Law).
PEARSON, J. RAYMOND, M.SC.M.E. (Mechanical Engineering).
PECKHAM, HOWARD H., M.A. (History).
PEEK, GEORGE A., JR., PH.D. (Political Science).
PENZL, HERBERT, PH.D. (German).
PERKINS, BRADFORD, PH.D. (History).
PETERSON, GORDON ELMER, PH.D. (Communications Sciences and Electrical Engineering).
PETERSON, SHOREY, A.M., PH.D. (Economics).
PEYTON, FLOYD A., D.SC. (Dentistry).
PHELPS, DUDLEY MAYNARD, M.B.A., PH.D. (Marketing).
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PIKE, KENNETH L., TH.B., PH.D. (Linguistics).
PILCHER, C. JAMES, M.B.A., PH.D. (Finance).
PIRANIAN, GEORGE, PH.D. (Mathematics).
PLANT, MARCUS L., M.A., J.D. (Law).
PLISKE, EDWARD C., PH.D. (Anatomy).
POLASKY, ALAN N., B.S.C., C.P.A., J.D. (Law).
POLLARD, H. MARVIN, M.S., M.D. (Internal Medicine).
POLLOCK, JAMES KERR, A.M., PH.D., LL.D. (Political Science).
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PORTER, RICHARD J., PH.D. (Protozoology).
PORTER, WILLIAM E., A.B., M.A. (Journalism).
PORTMAN, DONALD J., PH.D. (Meteorology).
POTT, CLARENCE K., PH.D. (German).
POTTS, PHILIP O., B.M.E., M.S.E. (Engineering Graphics).
PRENDERGAST, JAMES D., B.F.A. (Drawing and Painting).
PRESTON, STEPHEN B., M.F., D.FOR. (Wood Technology).
PRICE, PERCIVAL, MUS.BAC. (Campanology).
PRINCE, HELEN DODSON, PH.D., SC.D. (Astronomy).
PROFFITT, ROY F., B.S.BUS.AD., J.D., LL.M. (Law).
PULGRAM, ERNST, DR.PHIL., PH.D. (Romance Languages and Classical Linguistics).
RABINOVITZ, PATRICIA W., M.S.W. (Social Work).
RADOCK, MICHAEL, A.B., M.S.J. (Journalism).
RAE, JAMES W., JR., M.D. ,M.S. (Physical Medicine and Rehabilitation).
RAINVILLE, EARL D., A.M.. PH.D. (Mathematics).
RAMFJORD, SIGURD P., L.D.S., PH.D. (Dentistry).
RANSOM, HENRY K., M.D. (Surgery).
RAPOPORT, ANATOL, PH.D. (Mathematical Biology).
RAUCH, LAWRENCE L., PH.D. (Instrumentation).
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REIDER, DAVID H. (Design).
REINHARD, JOHN REVELL, A.M., PH.D. (English).
REISS, ALBERT J., JR., PH.D. (Sociology).
REVELLI, WILLIAM DONALD, MUS.D., LL.D. (Wind Instruments).
REWOLDT, STEWART H., M.B.A., PH.D. (Marketing).
RICE, WARNER GRENELLE, A.M., PH.D. (English).
RICHARDS, ALBERT G., M.S. (Dentistry).
RICHART, FRANK E., JR., PH.D. (Civil Engineering).
RIDENOUR, GERALD M., PH.D. (Public Health Engineering).
RIEGEL, JOHN WALLACE, A.M., PH.D. (Industrial Relations).
RILEY, GARDNER M., PH.D. (Obstetrics and Gynæcology).
ROBINSON, WILLIAM D., A.B., M.D. (Internal Medicine).
ROEBER, EDWARD C., PH.D. (Education).
ROOT, WILLIAM L., PH.D. (Instrumentation).
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ROSS, GILBERT (Violin and Chamber Music).
ROSSEELS, GUSTAVE A. (Violin and Chamber Music).
ROTHE, ERICH HANS, PH.D. (Mathematics).
ROWE, JOSEPH E., PH.D. (Electrical Engineering).
ROWE, KENNETH T., A.M. (English).
ROWE, TOM D., PH.D. (Pharmacy).
RUGEN, MABEL E., PH.D. (Health Education).
RULFS, CHARLES L., PH.D. (Chemistry).
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SANDERS, WALTER B., M.ARCH. (Architecture).
SANDOR, GYORGY, Diploma, Budapest (Piano).
SATTLER, WILLIAM M., PH.D. (Speech).
SAVAGE, LEONARD J., PH.D. (Mathematics).
SAWYER, CHARLES H., B.A. (Art and History of Art).
SAWYER, RALPH A., PH.D., SC.D., LL.D. (Physics).
SCHLATTER, WILLIAM J., PH.D., C.P.A. (Accounting).
SCHMIDT, LEO A., A.M., C.P.A. (Accounting).
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SCHNEIDEWIND, RICHARD, PH.D. (Metallurgical Engineering).
SCHNITZER, ROBERT C., A.B. (Speech).
SCHORGER, WILLIAM D., PH.D. (Anthropology and Near Eastern Studies).
SCHROEDER, DOROTHY, M.S.S. (Social Work).
SCHULL, WILLIAM J., PH.D. (Human Genetics and Anthropology).
SCHULTZ, LOUIS C., D.D.S., M.S. (Dentistry).
SCOTT, JAMES D., B.S., M.B.A., D.C.S. (Advertising).
SCOTT, NORMAN R., PH.D. (Electrical Engineering).
SEAGER, ALLAN, M.A.(OXON.) (English).
SEEVERS, MAURICE HARRISON, PH.D., M.D. (Pharmacology).
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SERVICE, ELMAN R., PH.D. (Anthropology).
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SHOHARA, HIDE, PH.D. (Japanese).
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SINAI, NATHAN, M.S., DR.P.H. (Public Health).
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STEINER, ERICH E., PH.D. (Botany).
STEINHEIMER, ROY L., JR., A.B., J.D. (Law).
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STUBBINS, WILLIAM H., A.M. (Band Instruments).
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SUITS, DANIEL B., PH.D. (Economics).
SUPER, ROBERT H., PH.D. (English).
SUSSMAN, ALFRED S., PH.D. (Botany).
SWANSON, GUY E., PH.D. (Sociology).
SWARTZ, WALTER H., D.D.S., M.S. (Dentistry).
SWEET. ROBERT B., B.S., M.D. (Anesthesiology).
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TEST, FREDERICK HAROLD, PH.D. (Zoology).
THOMASSEN, LARS, CH.E., PH.D. (Chemical and Metallurgical Engineering).
THRALL, ROBERT MCDOWELL, PH.D. (Mathematics).
THROOP, PALMER A., PH.D. (History).
THRUPP, SYLVIA L., PH.D. (History).
THUMA, BURTON D., M.S., PH.D. (Psychology).
TITIEV, MISCHA, A.M., PH.D. (Anthropology).
TORDOFF, HARRISON B., PH.D. (Zoology).
TOWSLEY, HARRY A., M.D. (Pediatrics and Communicable Diseases).
TROW, WILLIAM CLARK, A.M., PH.D. (Education and Psychology).
TURNEAURE, FREDERICK S., A.M., PH.D. (Geology).
VAN DER SCHALIE, HENRY, PH.D. (Zoology).
VAN VLACK, LAWRENCE H., PH.D. (Materials and Metallurgical Engineering).
VAN WYLEN, GORDON J., SC.D. (Mechanical Engineering).
VAUGHN, WYMAN R., PH.D. (Chemistry).
VELZ, CLARENCE J., C.E., M.S.P.H. (Public Health Engineering).
VEZZANI, ALMANDO A., A.M. (Vocational Education and Practical Arts).
WAGGONER, RAYMOND WALTER, M.D., SC.D. (Psychiatry).
WAGMAN, FREDERICK H., PH.D. (Library Science).
WAGNER, WARREN H., JR., PH.D. (Botany).
WALCOTT, FRED GEORGE, D.ED. (English, Education).
WALKER, CHARLES F., PH.D. (Zoology).
WALKER, EDWARD L., PH.D. (Psychology).
WALTER, ERICH A., A.M. (English).
WARD, ROBERT E., PH.D. (Political Science).
WARNER, ROBERT A., PH.D. (Music).
WARREN, AUSTIN, A.M., PH.D. (English).
WATERMAN, MERWIN HOWE, M.B.A., PH.D. (Finance).
WATSON, ERNEST H., A.B., M.D. (Pediatrics and Communicable Diseases).
WEAVER, RICHARD L., PH.D. (Conservation).
WEDDIGE, EMIL, M.DES. (Design).
WEGMAN, MYRON E., M.D., M.P.H. (Public Health and Pediatrics and Communicable Diseases).
WEHMEYER, LEWIS E., PH.D. (Botany).
WELLMAN, RICHARD V., A.B., J.D. (Law).
WELLS, CARLTON F., A.M. (English).
WENDEL, JAMES G., PH.D. (Mathematics).
WENRICH, RALPH C., M.S. (Vocational Education and Practical Arts).
WERNETTE, J. PHILIP, A.M., PH.D. (Business Administration).
WESTERBERG, MARTHA R., A.B., M.D. (Neurology).
WESTRUM, EDGAR F., JR., PH.D. (Chemistry).
WETHEY, HAROLD E., PH.D. (History of Art).
WHIPPLE, G. HOYT, PH.D. (Radiological Health).
WHITE, LESLIE A., M.A., PH.D. (Anthropology).
WIEDENBECK, MARCELLUS L., PH.D. (Physics).
WILDE, WALTER S., PH.D. (Physiology).
WILDER, RAYMOND LOUIS, PH.D. (Mathematics).
WILENSKY, HAROLD L., PH.D. (Sociology).
WILLCOX, WILLIAM B., PH.D. (History).
WILLIAMS, BRYMER, PH.D. (Chemical and Metallurgical Engineering).
WILLIAMS, ROBERT L., PH.D. (Education).
WILLIS EDGAR E., PH.D. (Speech).
WILLMARTH, WILLIAM W., PH.D. (Aeronautical Engineering).
WILSON, JAMES L., A.B., M.D., SC.D. (Pediatrics and Communicable Diseases).
WILSON, JAMES TINLEY, PH.D. (Geology).
WILT, RICHARD, M.A. (Art).
WINGO, G. MAX, PH.D. (Education).
WINNER, THOMAS G., PH.D. (Slavic Languages and Literatures).
WITHEY, STEPHEN B., PH.D. (Psychology).
WOLF, ERIC R., PH.D. (Anthropology).
WOLFE. RALPH A., M.S., PH.D. (Physics).
WOODBURNE, RUSSELL T., PH.D. (Anatomy).
WOODING, EDMUND, B.S. (Journalism).
WORK, WALTER P., A.B., M.D. (Otorhinolaryngology).
WRIGHT, CORWIN R., M.S., D.D.S. (Dentistry).
WRIGHT, L. HART, A.B., LL.M. (Law).
WYATT, DOROTHEA E., PH.D. (History).
WYATT, FREDERICK, PH.D. (Psychology).
YABLONKY, BEN, A.M. (Journalism).
YAMAGIWA, JOSEPH K., A.M., PH.D. (Japanese).
YIH, CHIA-SHUN, PH.D. (Engineering Mechanics).
YORK, J. LOUIS, PH.D. (Chemical and Metallurgical Engineering).
YOUNG, EDWIN H., M.S.E.(CHEM.ENG.), M.S.E.(MET.ENG.) (Chemical and Metallurgical Engineering).
YOUTIE, HERBERT C., A.M. (Papyrology).
YOUTZ, PHILIP N., M.A. (Architecture).
ZANDER, ALVIN F., M.P.H., PH.D. (Educational Psychology).
ZARAFONETIS, CHRIS. D., M.S., M.D. (Internal Medicine).
ZEISLER, KARL F., A.B. (Journalism).
ZWEIFEL, PAUL F., PH.D. (Nuclear Engineering).

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MOUNT PLEASANT, MICHIGAN
Telephone: Mt. Pleasant 775-4151
Founded 1892

President: JUDSON W. FOUST, A.B., A.M., PH.D., LL.D.
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Registrar: GEORGE N. LAUER, B.S., A.M.
Librarian: ORVILLE L. EATON, B.S., M.S., B.L.S., PH.D.

Number of teachers: 320.
Number of students: 6,400.

DEANS:

School of Arts and Sciences: CLEON C. RICHTMEYER, A.B., A.M., PH.D.
School of Business Administration: W. LYLE WILLHITE, B.S., M.S., PH.D.
School of Education: KENNETH T. BORDINE, B.S., A.M., ED.D.
School of Fine and Applied Arts: OLAF W. STEG, B.S., M.M., PH.D.
School of Graduate Studies: GEORGE H. NELSON, A.B., A.M., PH.D.
School of Health and Physical Education: WILLIAM V. THEUNISSEN, B.S., A.M., P.E.D.
Student Personnel Services: C. MILTON PIKE, A.B., M.ED., ED.D.

EASTERN MICHIGAN UNIVERSITY

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President: EUGENE B. ELLIOTT.
Vice-President for Instruction: BRUCE K. NELSON.
Vice-President for Student Affairs: WILLIAM C. LAWRENCE.
Controller: LEWIS E. PROFIT.
Registrar: EVERETT L. MARSHALL.
Librarian: E. WALFRED ERICKSON.

Number of teachers 350.
Number of students: 6,000

DEANS:

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Graduate Studies: JAMES GLASGOW.
Liberal Arts and Sciences: ALBERT W. BROWN.
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KALAMAZOO, MICHIGAN

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Comptroller: ROBERT B. WETRIGHT.
Registrar: CLAYTON J. MAUS.
Librarian: KATHARINE STOKES.

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Applied Arts and Sciences: GEORGE E. KOHRMAN.
Liberal Arts and Sciences: GERALD OSBORN.
Education: JAMES H. GRIGGS.
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Summer Session: LEONARD GERNANT.

MICHIGAN STATE UNIVERSITY
EAST LANSING, MICHIGAN

Founded 1855; the first college for teaching agriculture, and the forerunner of the American system of land-grant colleges.

President: JOHN ALFRED HANNAH, B.S., D.AGR., LL.D., PH.D., L.H.D., D.SCI.
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Vice-President for Research Development: MILTON E. MUELDER, PH.D.
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Secretary: JACK BRESLIN, M.A.
Registrar: KERMIT H. SMITH, B.S.

Director of Libraries: RICHARD E. CHAPIN, PH.D.

Number of teachers: 1,379.
Number of students: 8,889 men, 15,215 women, total 24,104.
Publications: *Quarterly Bulletin, M.S.U. Magazine, Extension Bulletins, Report of Progress, Centennial Review, Business Topics, College of Education Quarterly, University College Quarterly, Reporter.*

DEANS:

University College: EDWARD A. CARLIN, PH.D.
Agriculture: THOMAS KYLE COWDEN, PH.D.
Arts and Letters: PAUL A. VARG, PH.D.
Business and Public Service: ALFRED L. SEELYE, D.B.A.
Communication Arts: FRED S. SIEBERT, PH.D.
Education: JOHN E. IVEY, Jr., PH.D.
Engineering: JOHN D. RYDER, PH.D.
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Natural Science: RICHARD U. BYERRUM, PH.D.
Social Science: LOUIS L. MCQUITTY, PH.D.
Students: JOHN A. FUZAK, ED.D.
Oakland Branch: DURWARD B. VARNER, PH.D.
University Services: WILLIAM H. COMBS, PH.D.
Veterinary Medicine: WILLIS W. ARMISTEAD, D.V.M., PH.D.

MIDWESTERN UNIVERSITY
WICHITA FALLS, TEXAS
Founded 1922

President: Dr. TRAVIS A. WHITE.
Vice-President: Dr. D. L. LIGON.
Dean: Dr. N. W. QUICK.
Registrar: BETTY BULLOCK.
Librarian: W. C. BLANKENSHIP.

Number of teachers: 72.
Number of students: 1,924.
Publications: *The Wichitan* (weekly), *The Wai-Kun* (annually), *The Owakiya.*

DEANS:

Graduate Division: Dr. N. W. QUICK.
Students: WILLIAM A. YARDLEY.

MILLIKIN UNIVERSITY
DECATUR, ILLINOIS
Founded 1901

President: PAUL L. MCKAY.
Vice-President and Dean: EARLAND CARLSON.
Registrar: WALTER GRAY.
Librarian: RONALD HENDRICKS.

Number of students: 1,500.
Publications: *Millikin University Alumni Bulletin* (quarterly), *Meet Millikin* (quarterly), *The Decaturian* (weekly).

DEANS:

School of Music: J. ROGER MILLER.
School of Business and Industry: GLEN R. SMITH.
Student Affairs: BYRON L. KERNS.

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Founded 1851

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Director of University Relations: WILLIAM L. NUNN, A.B., M.A.
Museum of Natural History: WALTER J. BRECKENRIDGE, M.A., PH.D. (*Director*).

Library: *see* Libraries.
Number of teachers: 3,800.
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Registrar: ROBERT B. ELLIS, M.B.A.

Comptroller: E. E. DAVIDSON, M.B.A., C.P.A.

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The library contains 353,000 volumes.

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Number of students: 3,728 men, 1,918 women, total 5,646.

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Broady, Knute Oscar, PH.D. (School Administration).
Camp, Chester Claremont, PH.D. (Mathematics).
Christensen, Emiel J. (Architecture).
Colbert, J. P., M.SC. IN C.E. (Civil Engineering).
De Baufre, William Lane, E.E., M.E., M.SC. (Engineering Mechanics).
Duff, C. M., M.SC. (Engineering Mechanics).
Edison, O. E., M.SC., E.E. (Electrical Engineering).
Ernst, G. C., M.SC. IN C.E. (Civil Engineering).
Evinger, Morris Irwin, C.E. (Civil Engineering).
Ferguson, Olin Jerome, M.E.E. (Electrical Engineering).
Foxwell, W. H., B.SC., M.E. (Engineering Mechanics).
Green, R. M., M.SC. (Civil Engineering).
Haney, Jiles William, M.E., M.A. (Mechanical Engineering).
Hansen, Capt. James R., U.S.N. (Naval Science).
Hobson, Merk, PH.D. (Chemical Engineering).
Hollister, Vernon Leo, E.E. (Electrical Engineering).
Hurlbut, L. W. (Agricultural Engineering).
Legault, A. R. (Civil Engineering).
Ludwickson, J. K., M.S. IN M.E. (Mechanical Engineering).
Luebs, A. A., M.SC. (Mechanical Engineering).
McNeill, Clarence Ernest, PH.D. (Economics).
Marmo, E. J. (Engineering Mechanics).
Norris, F. W., E.E. (Electrical Engineering).
Rawie, Col. V. E., U.S. Army, B.SC. (Military Science).
Sechrist, G. H., M.S. IN E.E. (Electrical Engineering).
Smith, Chauncey William, M.E. (Agricultural Engineering).
Smith, L. B., M.ARCH. (Architecture).
Steinbruegge, George William, M.SC. (Agricultural Engineering).
Washburn, Edward Roger, PH.D. (Chemistry).
Weber, James Harold, PH.D. (Chemical Engineering).
Weiland, W. F., M.E. (Mechanical Engineering).

Law:
Axelrod, Allan, A.B., LL.B. (Law).
Belsheim, E. O., B.A., B.C.L., J.S.D.
Beutel, F. K., A.B., LL.B., S.J.D.
Dow, David, A.B., J.D.
Grether, Henry M., Jr., B.A., LL.M. (Law).
Lake, James A., S.J.D. (Law).

Medicine:
Adams, P. S., M.D. (Urology).
Bennett, A. L., A.B., PH.D., M.D. (Physiology and Pharmacology).
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Cameron, O. J., M.D., M.SC. (Dermatology and Syphilology).
Dunn, F. L., A.M., M.D. (Internal Medicine).
Finlayson, A. I., M.D., M.A. (Neurological Surgery).
Garfield, Sol L., PH.D. (Medical Technology).
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Gunderson, M. F., M.SC., PH.D. (Pathology and Bacteriology).
Hamsa, W. R., M.D. (Orthopædic Surgery).
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UNIVERSITY OF NEVADA

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Telephone: Reno, FAirview 3-2081
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Executive Vice-President: KENNETH E. YOUNG, PH.D.
Business Manager: NEIL D. HUMPHREY, M.S.
Registrar: CLARENCE BYRD, M.A.
Librarian: DAVID W. HERON, M.A.

The library contains 170,000 volumes.
Number of teachers: 226.
Number of students: 4,965.

Publications: *Regent's Biennial Report, University Catalogue, Summer Sessions Bulletin, Correspondence, Studies Bulletin, Scholarships and Prizes.*

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Founded 1866 as New Hampshire College of Agriculture and the Mechanic Arts; became university in 1923.

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Executive Vice-President: JERE A. CHASE, M.ED.
Registrar: OWEN B. DURGIN, M.A.
Librarian: DONALD E. VINCENT, A.M.L.S., A.M.

The library contains 324,054 volumes.
Number of teachers:306.
Number of students: 2,523 men, 1,630 women, total 4,153.
Publication: *Bulletin.*

DEANS:

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College of Liberal Arts: EVERETT B. SACKETT, M.A., PH.D.
College of Technology: ROBERT N. FAIMAN, M.S.E.E., PH.D.
Graduate School: (Vacant).
The Whittemore School of Business and Economics: ROBERT F. BARLOW, M.A., PH.D.
Students: C. ROBERT KEESEY, B.A.

THE UNIVERSITY OF NEW MEXICO

ALBUQUERQUE, NEW MEXICO
Telephone: 243-8611

Created by act of territorial legislation 1889. Opened 1892.
President: TOM L. POPEJOY, M.A., LL.D.
Academic Vice-President: HOYT TROWBRIDGE, PH.D. (acting).
Director of Admissions: J. C. MACGREGOR, B.A.
Comptroller: JOHN PEROVICH, M.B.A.
Librarian: DAVID OTIS KELLEY, M.A.
Curator, Anthropology Museum: FRANK C. HIBBEN, PH.D.
Curator, Geology Museum: STUART A. NORTHROP, PH.D.

The library contains 343,618 volumes.
Number of teachers: 330.
Number of students: 5,721 men, 2,921 women, total 8,642.

DEANS:

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Men: HOWARD V. MATHANY, M.A.
Women: HELEN WHITESIDE, ED.D.
College of Arts and Sciences: MORRIS S. HENDRICKSON, PH.D. (acting).
College of Business Administration: HOWARD V. FINSTON, PH.D. (acting).
College of Education: CHESTER COLEMAN TRAVELSTEAD, PH.D.
College of Engineering: RICHARD HUDSON CLOUGH, SC.D.
College of Fine Arts: CLINTON ADAMS, M.A.
College of Law: ROBERT EMMETT CLARK (acting).
School of Medicine: REGINALD H. FITZ, M.D.
College of Nursing: VIRGINIA P. CRENSHAW, M.P.H.
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NEW MEXICO HIGHLANDS UNIVERSITY

LAS VEGAS, NEW MEXICO

Founded 1893

President: Dr. THOMAS C. DONNELLY.
Dean of Faculty: Dr. QUINCY GUY BURRIS.
Comptroller: JAMES E. CONNOR.
Director of Admissions and Registrar: JAMES H. ELLIOTT.
Librarian: WILLIAM S. WALLACE.

Number of teachers: 75, including 15 professors.
Number of students: 666 men, 468 women, total 1,134.

DEANS:

Dean of Student Affairs: RAY FARMER.
Assistant to the President and Director of Institutional Research: Dr. JOHN S. JOHNSON.

NEW MEXICO STATE UNIVERSITY

UNIVERSITY PARK, NEW MEXICO

Founded in 1888 as Las Cruces College; became in 1889 the New Mexico College of Agriculture and Mechanic Arts and in 1959 the State University.

President: ROGER BAILEY CORBETT, PH.D.
Vice-President: WILLIAM B. O'DONNELL, M.A.
Comptroller: WILLIAM F. WYMAN, B.C.S.
Librarian: CHESTER H. LINSCHEID, M.A.L.S.

The Library contains 147,000 vols., plus 161,300 bound and unbound Government documents.

Number of teachers: 241; Agricultural Experiment Station staff 76; Physical Science Laboratory staff 107; Agricultural Extension Service Staff 121; Engineer Experiment Station staff 13.

Number of students: 3,143 men, 1,127 women, total 4,270.

Publications: Agricultural Experiment Station: *Annual Report, Bulletin, Circular,* etc.; Physical Science Laboratory: classified publications; Agricultural Extension Service: bulletins; Engineering Experiment Station: bulletins.

DEANS:

Graduate School: EARL WALDEN, PH.D.
School of Agriculture and Home Economics: PHILIP J. LEYENDECKER, PH.D.
School of Arts and Sciences: RICHARD BARRETT, PH.D. (acting).
School of Engineering: FRANK BROMILOW, M.S.
School of Teacher Education: DONALD C. ROUSH, PH.D.
Director, Agricultural Experiment Station: PHILIP J. LEYENDECKER, PH.D.
Director, Physical Science Laboratory: C. IRA RICKETTS, B.S.
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NEW YORK UNIVERSITY

NEW YORK 3, N.Y.
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Founded 1831.

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The library contains 1,224,000 volumes.
Number of teachers: 4,806.
Number of students (1962-63): 25,957 men, 12,695 women, total 38,650.

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School of Law: RUSSELL D. NILES, A.B., LL.B., J.S.D., LL.D.
School of Medicine and Post-Graduate Medical School: SAUL J. FARGER, A.B., M.D. (*Acting Dean*).
School of Engineering and Science: JOHN R. RAGAZZINI, B.S., A.M., PH.D., E.E.
College of Dentistry: RAYMOND J. NAGLE, A.B., D.M.D., SC.D.
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School of Education: WALTER A. ANDERSON, B.S., A.M., ED.D.
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Washington Square College of Arts and Science:
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HENNESSY, BERNARD C., A.B., A.M., PH.D. (Politics).
HELLERSTEIN, JEROME R., A.M., LL.B. (Law).
HORNSTEIN, GEORGE D., A.B., LL.B. (Law).
KARLEN, DELMAR, A.B., LL.B. (Law).
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MARKE, JULIUS J., B.S.S., LL.B., (Law).
MILLION, ELMER M., A.B., LL.B., J.S.D. (Law).
MUELLER, GERHARD O. W., J.D., LL.M. (Law).
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NORVELL, RALPH N., Jr., LL.M., A.B. (Law).
OLMSTEAD, CECIL J., A.B., LL.B. (Law).
PETERFREUND, HERBERT, A.B., LL.B., LL.M. (Law).
PETRO, SYLVESTER J., A.B., J.D., LL.M. (Law).
PRUNTY, BERT S., Jr., A.B., J.D. (Law).
PUTMAN, FRANCIS J., B.S., LL.B., J.S.D. (Law).
REDLICH, NORMAN, A.B., LL.B., LL.M. (IN TAXATION) (Law).
SCHWARTZ, BERNARD, B.S. (SOC. SCI.), LL.M., PH.D., LL.D. (Law).
SIMPSON, LAURENCE P., A.M., J.D., J.S.D. (Law).
SPARKS, BERTEL M., B.S., LL.M., S.J.D. (Law).
SWEENEY, JOSEPH M., LIC. EN DROIT, LL.B. (Law).
WALLACE, GERALD L., B.S., LL.B. (Law).
WILLIAMS, GEORGE H., A.B., LL.B. (Law).

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BENACERRAF, BARUJ, B.S., M.D. (Pathology).
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BREININ, GOODWIN M., B.S., A.M., M.D. (Ophthalmology).
CAMPBELL, JAMES B., A.B., M.D. (Research Professor) (Neurosurgery).
CONVERSE, JOHN M., M.D. (Surgery, Plastic Surgery).
COVALT, DONALD A., B.S., M.D. (Physical Medicine and Rehabilitation).
DALY, JOHN F., A.B., M.D. (Oto-Rhino-Laryngology).
DANCIS, JOSEPH, A.B., M.D. (Pædiatrics).
DEGRAFF, ARTHUR C., B.S., M.D. (Therapeutics).
DE LA CHAPELLE, CLARENCE E., B.S. (MED.), M.D. (Medicine).
DOUGLAS, GORDON W., A.B., M.D. (Obstetrics and Gynaecology).
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GILVARG, CHARLES, B.CH.E., PH.D. (Biochemistry).
GOLDRING, WILLIAM, B.S., M.D. (Medicine).
GOLDSTEIN, DAVID H., A.B., M.D., MED.SC.D. (Industrial Medicine).
HERMAN, MORRIS, B.S., M.D. (Psychiatry).
HOEN, THOMAS I., A.B., M.D. (Neurosurgery).
HOLT, L. EMMETT, Jr., A.B., M.D. (Pædiatrics).
HOTCHKISS, ROBERT S., B.S., M.D. (Urology).
KRUGMAN, SAUL, M.D. (Pædiatrics).
KUSCHNER, MARVIN, A.B., M.D. (Pathology).
LA DU, BERT N., Jr., B.S., M.D., PH.D. (Pharmacology).
LAWRENCE, H. SHWERWOOD, A.B., M.D. (Medicine).
LOWMAN, EDWARD W., B.S., M.D., M.S.(MED.) (Physical Medicine and Rehabilitation).
MAAS, WERNER K., A.B., PH.D. (Microbiology).
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MYERS, DOROTHY C., A.B., M.S.W., PH.D. (Public Administration).
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SPERO, STERLING D., A.M., PH.D. (Public Administration).

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ROSEN, ALEX, A.B., M.S., PH.D. (Social Work).

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OBECK, VICTOR F., B.S., A.M. (Director of Athletics, Professor of Physical Education, Health and Recreation).

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BRODY, LEON, A.B., M.S., PH.D. (Education).
BRUNETTI, MENDOR T., A.B., A.M. (Romance Languages).
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ROTH, SIDNEY G., A.B., A.M., (Mathematics).
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SMITH, RUSSELL F. W., A.B., A.M. (Adult Education).

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Chancellor: JOHN R. EVERETT.

BROOKLYN COLLEGE

Brooklyn 10, New York

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Registrar: SAMUEL N. KAGEN, A.B.
Business Manager: ARTHUR J. HILLARY.
Librarian: HUMPHREY GAMBIER BOUSFIELD, A.M.

The library contains 341,113 volumes.
Number of teachers: 1,131.
Number of students: 10,508 men, 13,375 women, total 23,883.

DEANS:

Faculty: WALTER H. MAIS, PH.D.
Students: HERBERT H. STROUP, D.SOC.SC.
Administration: FRANCIS P. KILCOYNE, A.M., PH.D.
School of General Studies and Summer Session: EDWIN H. SPENGLER, A.M., PH.D. (*Director*).
Dean of Studies and Director Graduate Division: ABRAHAM S. GOODHARTZ, A.M., PH.D.
Admission: FRANCIS P. KILCOYNE.

CITY COLLEGE OF THE CITY OF NEW YORK

New York 31, N.Y.

Founded 1847

President: BUELL P. GALLAGHER, PH.D., LL.D.
Business Manager: AARON ZWEIFACH.
Bursar: JOHN D. BURTON, M.S., C.P.A.
Registrar: ROBERT L. TAYLOR, M.A.
Librarian: BERNARD KREISSMAN, PH.D.

Number of teachers: 695.
Number of students: 8,015 men, 2,470 women, total 10,485.

DEANS:

College of Liberal Arts and Science: MORTON GOTTSCHALL, J.D.
School of Technology: WILLIAM ALLAN, M.C.E., P.E.
School of Education: HAROLD H. ABELSON, PH.D.
Baruch School of Business and Public Administration: EMANUEL SAXE, PH.D., J.D., C.P.A.
Students: WILLARD W. BLAESSER, ED.D.
Administration: LESLIE W. ENGLER, M.S., P.E.

HUNTER COLLEGE OF THE CITY OF NEW YORK

695 Park Avenue, New York 21, N.Y.

Founded 1870. Chartered 1888

President: JOHN J. MENG, A.M., PH.D., LL.D.
Business Manager: ROBERT J. DE VALUE, B.S.
Registrar: HUGH F. BENNETT, A.M., PH.D.
Librarian: FREDERIC W. STEWART, A.M.

Number of teachers: 961.
Number of students: 18,374.
Publications: *Bulletins, Reports.*

DEANS:

Faculty: MARY L. GAMBRELL, A.M., PH.D., LITT.D.
Administration: JAMES R. MEEHAN, ED.D.
Students: KATHRYN L. HOPWOOD, A.M., PH.D., HARRY L. LEVY, A.M., PH.D.

DIRECTORS:

Teacher Education: HERBERT SCHUELER, M.S., PH.D.
Graduate Study: RUTH G. WEINTRAUB, A.M., J.D., PH.D.
School of General Studies: EDWARD DAVISON, A.M., LITT.D. (Park Avenue), CHESTER H. ROBINSON, PH.D. (Bronx Campus).

PROFESSORS:

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AGINSKY, ETHEL G., A.M., PH.D. (Sociology and Anthropology).
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BURNS, G. RICHARD, A.M., PH.D. (Chemistry).
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BUSHEY, JEWELL H., A.M., PH.D., LL.D. (Mathematics).
CAMBRIA, SOPHIE T., A.M., PH.D. (Sociology and Anthropology).
CHENAULT, LAWRENCE R., C.P.A., A.M., PH.D. (Economics).
CLAPP, JAMES G., A.M., PH.D. (Psychology and Philosophy).
CLAY, JOHN P., SC.M., PH.D. (Chemistry).
CLUM, HAROLD, A.B., PH.D. (Biological Sciences).
CONKEY, RUTH C., A.M., PH.D. (Education).
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DAVISON, EDWARD, A.M., LITT.D. (English).
DEARING, A. WILLIS, SC.B., PH.D. (Chemistry).
EMILE, ANDERS, A.M., MUS.D. (Music).
EVANS, WILLA M., A.M., PH.D. (English).
FOWLER, DOROTHY G., A.M., PH.D., LL.D. (History).
GAMBRELL, MARY L., A.M., PH.D., LITT.D. (History).
GATCH, KATHERINE H., A.M., PH.D. (English).
GOEBEL, DOROTHY B., A.M., PH.D. (History).
GONZALES, EMILIO, DR. IN SOC.SC. (Romance Languages).
GURKO, LEO, A.M., PH.D. (English).
HAHN, E. ADELAIDE, A.M., PH.D. (Classics).
HARTUNG, HELENE, A.M., PH.D. (Education).
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HOTCHNER, CECILIA A., A.M., PH.D. (English).
HUBER, OLIVE, A.M., PH.D. (Physiology, Health and Hygiene).
HYSLOP, BEATRICE F., A.M., PH.D., O.D'A. (History).
KEUR, DOROTHY S., A.M., PH.D. (Sociology and Anthropology).
KIBRE, PEARL, A.M., PH.D. (History).
KIMMEL, WILLIAM B., MUS.M., PH.D. (Music).
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LAMPEN, DOROTHY, PH.D. (Economics).
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LEVY, HARRY L., A.M., PH.D. (Classics).
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MCENTEE, GEORGIANA P., A.M., PH.D. (History).
MEEHAN, JAMES R., ED.M., ED.D. (Education).
MENG, JOHN J., A.M., PH.D. (History).
MICHELS, RUDOLF K., A.M., PH.D., LL.B. (Economics).
MORSTEIN MARX, FRITZ, PH.D. (Political Science).
MOSSMAN, DONALD D., A.M., PH.D. (Chemistry).
NEWSTEAD, HELAINE H., A.M., PH.D. (English).
OTIS, HERBERT N., M.S., PH.D. (Physics and Astronomy).
RASKIN, ABRAHAM, A.M., PH.D. (Chemistry).
REICH, NATHAN, A.M., PH.D. (Economics).
REJALL, HELENE H., A.M., PH.D. (Education).
ROBINSON, CHESTER H., PH.D. (Education).
SCHREIBER, PAUL, J.U.D., M.S. (Sociology and Anthropology).
SCHUELER, HERBERT, M.S., PH.D. (Education).
SCUDI, ABBIE T., A.M., PH.D. (History).
SELMER, CARL, PH.D. (German).
SHEEHAN, MARY R., A.M., PH.D. (Psychology and Philosophy).
SIMPSON, ADELAIDE D., A.M., PH.D. (Classics).
STEIN, ELIZABETH P., A.M., PH.D. (English).
STEWART, FREDERIC W., A.M. (Librarian).
STINSON, HARRY E., M.F.A. (Art).
STUART, MERIWETHER, A.M., PH.D. (Classics).
TALMA, LOUISE, B.MUS., A.M. (Music).
TAUPIN, RENÉ, LIC. ÈS L., DOC. ÈS L. (Romance Languages).
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TOUGH, ROSALIND, A.M., PH.D. (Sociology and Anthropology).
VAN BURKALOW, ANASTASIA, A.M., PH.D. (Geology and Geography).
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WELCH, LIVINGSTON, A.M., PH.D. (Psychology and Philosophy).
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Director of School of General Studies: JAMES E. TOBIN, PH.D.
Director of Records and Evaluations: HOWARD A. KNAG. ED.D.
Dean of Administration: GLENN W. HOWARD, PH.D.
Librarian: MORRIS A. GELFAND, B.S. (L.S.), M.A. IN ED.

The library contains 131,546 volumes.
Number of teachers: 305.
Number of students: 1,593 men, 4,464 women, total 6,057.
Publication: *Queens College Catalogue* (annual).

DEANS:
Faculty: HAROLD C. SYRETT, A.B., M.A., PH.D.
Students: GEORGE A. PIERSON, ED.D.

STATE UNIVERSITY OF NEW YORK
8 THURLOW TERRACE, ALBANY 1, NEW YORK
Telephone: GRidley 4-4085

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Number of students: State Colleges: 48,452 full-time, 17,685 part-time, total 66,137; Community Colleges: 19,567 full-time, 25,638 part-time, total 45,205.

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Suffolk County Community College at Selden.
President: ALBERT M. AMMERMAN.

Sullivan County Community College.
President: RICHARD K. GREENFIELD.

Ulster County Community College.
President: DALE B. LAKE.

Westchester Community College at Valhalla.
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NIAGARA UNIVERSITY

NEW YORK

Founded 1856

President: VINCENT T. SWORDS.
Academic Vice-President: ROBERT J. RIVARD.
Registrar: MICHAEL J. TUMULTY.
Librarian: BERNARD H. DOLLEN.

The library contains 60,889 volumes.
Number of teachers: 145, including 16 professors.
Number of students: 1,865.
Publications: *Index* (weekly), *Niagaran* (annually), *The Aquila* (twice yearly).

DEANS:

College of Arts ana Sciences: ROBERT J. RIVARD.
College of Business Administration: CHARLES J. EDGETTE, B.B.A.
Graduate School and School of Education: KENNETH SLATTERY.
Seminary: PHILIP DION.
College of Nursing: Sister OLIVE MARIE.
Students: JOHN W. CAINE.

UNIVERSITY OF NORTH CAROLINA

The University of North Carolina is composed of three institutions, unified into a consolidated system in 1931—the University of North Carolina at Chapel Hill, the State the University of North Carolina at Chapel Hill, the University of North Carolina at Greensboro, and North Carolina State of the University of North Carolina at Raleigh.

Consolidated University Office:
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Telephone: 942-3467

President: WILLIAM C. FRIDAY, B.S., LL.B., LL.D.
Vice-President and Finance Officer: (Vacant).
Vice-President for Graduate Studies and Research: DONALD BENTON ANDERSON, M.A., PH.D.
Business Officer and Treasurer: ALEXANDER HURLBUTT SHEPARD, Jr., A.B., M.A.
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University of North Carolina at Chapel Hill: Chartered 1789, opened 1795; since 1931 a unit of the University of North Carolina; Telephone: 942-3662.

Chancellor: WILLIAM BRANTLEY AYCOCK, M.A., J.D.
Business Manager: JAMES ARTHUR BRANCH.
Dean of the Faculty: JAMES LOGAN GODFREY, PH.D.
Dean of Student Affairs: CHARLES HENDERSON, Jr., PH.D.
Secretary of the Faculty: A. C. HOWELL, PH.D.
Director of Admissions: CHARLES BERNARD.
Librarian: JERROLD ORNE, PH.D.

Library of 1,123,747 volumes.
Number of teachers: 926.
Number of students (Fall 1961): 7,179 men, 1,903 women, total 9,082.

DEANS, ETC.:

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General College: J. CARLYLE SITTERSON, A.M., PH.D.
College of Arts and Sciences: J. CARLYLE SITTERSON, A.M., PH.D.
School of Business Administration: MAURICE W. LEE, PH.D.
School of Education: H. ARNOLD PERRY, ED.D.
School of Law: HENRY P. BRANDIS, Jr., A.B., LL.B.
School of Medicine: WALTER REECE BERRYHILL, A.B., M.D.
School of Pharmacy: EDWARD A. BRECHT, PH.D.
School of Public Health: EDWARD G. MCGAVRAN, M.P.H., M.D.
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School of Journalism: NORVAL NEIL LUXON, PH.D.
School of Nursing: ELIZABETH L. KEMBLE, ED.D.
School of Social Work: ARTHUR EMIL FINK, A.M., M.S.W., PH.D.

North Carolina State of the University of North Carolina at Raleigh: Raleigh, North Carolina; f. 1887 as North Carolina State College of Agriculture and Mechanic Arts; assumed present title 1963; since 1931 a unit of the University of North Carolina; Telephone: Temple 4-5211.

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Dean of Student Affairs: JAMES J. STEWART, Jr., M.A.
Director of Admissions and Registrations: KENNETH D. RAAB, M.A.

The library contains 270,000 volumes.
Number of teachers: 524.
Number of students (Fall 1962): 7,030 men, 204 women, total 7,234.

DEANS:

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Design: H. L. KAMPHOEFNER, M.S. (ARCH.).
Education: J. B. KIRKLAND, M.S., PH.D.
Engineering: R. E. FADUM, S.D.
Forestry: R. J. PRESTON, M.S.F., PH.D.
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University of North Carolina at Greensboro: Greensboro, North Carolina; established as a Normal College 1891; since 1931 a unit of the University of North Carolina; effective July 1st, 1963, name changed to the University of North Carolina at Greensboro; Telephone: Broadway 5-9371.

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Business Manager: HENRY L. FERGUSON, Jr., B.S.
Dean of the College: MEREB ETHNA MOSSMAN, M.A.
Registrar: H. HOYT PRICE, M.A.

The library contains 220,000 volumes.
Number of teachers: 232.
Number of students (Fall 1962): 3,500.

DEANS:

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Home Economics: NAOMI G. ALBANESE, M.A., PH.D.
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North Carolina State of the University of North Carolina at Raleigh:

School of Agriculture:

Apple, Jay Lawrence, ph.d. (Plant Pathology).
Aurand, Leonard William, ph.d. (Food Science).
Aycock, Robert, ph.d. (Plant Pathology).
Ball, Ernest Aubrey, ph.d. (Botany).
Barber, Clifford Warren, ph.d. (Poultry Science).
Barkalow, Frederick Schenek, Jr., ph.d. (Zoology).
Barrick, Elliott Ray, ph.d. (Animal Science).
Bartholomew, William Victor, ph.d. (Soil Science).
Batte, Edward Guy, d.v.m. (Animal Science).
Bishop, Charles Edwin, ph.d. (Agricultural Economics).
Blumer, Thomas Nelson, ph.d. (Food Science).
Bostian, Cary Hoyt, ph.d. (Genetics).
Bowen, Henry Dittimus, ph.d. (Agricultural Engineering).
Brett, Charles Henry, ph.d. (Entomology).
Chamblee, Douglas Scales, ph.d. (Crop Science).
Clayton, Carlyle Newton, ph.d. (Plant Pathology).
Cochran, Fred Derward, ph.d. (Experimental Statistics).
Coutu, Arthur James, ph.d. (Agricultural Economics).
Craig, Frank Rankin, d.v.m. (Poultry Science).
Ellis, Don Edwin, ph.d. (Plant Pathology).
Etchells, John Lincoln, ph.d. (Food Science).
Evans, James Brainard, ph.d. (Bacteriology).
Fitts, James Walter, ph.d. (Soil Science).
Fore, Julian Mark, m.s. (Agricultural Engineering).
Gardner, Munroe Evans, b.s. (Horticultural Science).
Garren, Henry Wilburn, ph.d. (Poultry Science).
Gerstel, Dan Ulrich, ph.d. (Crop Science).
Glazener, Edward Walker, ph.d. (Poultry Science).
Gregory, Walton Carlyle, ph.d. (Crop Science).
Grosch, Daniel Swartwood, ph.d. (Genetics).
Guthrie, Frank Edwin, ph.d. (Entomology).
Haasis, Frank Arling, ph.d. (Plant Pathology).
Hamilton, Charles Horace, ph.d. (Rural Sociology).
Hanson, Warren, ph.d. (Genetics).
Harkema, Reinard, ph.d. (Zoology).
Harvey, Paul Henry, ph.d. (Crop Science).
Hassler, Francis Jefferson, ph.d. (Agricultural Engineering).
Haynes, Frank Lloyd, Jr., ph.d. (Horticultural Science).
Hebert, Teddy Theodore, ph.d. (Plant Pathology).
Hill, Charles Horace, ph.d. (Poultry Science and Animal Science).
Hoover, Maurice, ph.d. (Food Science).
James Herman Brooks, ph.d. (Agricultural Economics).
Jenkins, John Mitchell, Jr., ph.d. (Horticultural Science).
Jones, Guy Langston, ph.d. (Crop Science).
Jones, Ivan Dunlavy, ph.d. (Food Science).
Kamprath, Eugene John, ph.d. (Soil Science).
Kare, Morley Richard, ph.d. (Poultry Science).
Kelly, Joseph Wheeler, ph.d. (Poultry Science).
Kelman, Arthur, ph.d. (Plant Pathology).
King, Richard Adams, ph.d. (Agricultural Economics).
Klingham, Glenn Charles, ph.d. (Crop Science).
Lecce, James Giacomo, ph.d. (Animal Science).
Legates, James Edward, ph.d. (Animal Science).
Liebhafsky, Erwin Eugene, ph.d. (Animal Science).
Lovvorn, Roy Lee, ph.d. (Crop Science).
Lucas, George Blanchard, ph.d. (Plant Pathology).
Lutz, James Fulton, ph.d. (Soil Science).
Maddox, James, ph.d. (Agricultural Economics).
Mann, Thurston Jefferson, ph.d. (Crop Science).
Matrone, Gennard, ph.d. (Animal Science).
Mayo, Selz Cabot, ph.d. (Rural Sociology).
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McCombs, Clarence Leslie, ph.d. (Horticultural Science).
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Miller, Philip Arthur, ph.d. (Crop Science).
Moore, Ermer Leon, ph.d. (Crop Science).
Moore, Robert Parker, ph.d. (Field Crops).
Murley, Ray, ph.d. (Animal Science).
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Nusbaum, Charles Joseph, ph.d. (Plant Pathology).
Pierce, Walter Henry, ph.d. (Agricultural Economics).
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WOODHOUSE, WILLIAM WALTON, Jr., PH.D. (Soil Science).
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School of Design

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STUART, DUNCAN ROBERT, (Architecture).
THURLOW, EDWIN GILBERT, M.L.A. (Landscape Architecture).

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HAYNE, DON WILLIAM, PH.D. (Experimental Statistics).
KELLY, HARRY CHARLES, PH.D. (Physics).
LANCASTER, FORREST WESLEY, PH.D. (Physics).
LEVINE, JACK, PH.D. (Mathematics).
LOEPPERT, RICHARD HENRY, PH.D. (Chemistry).
LUCAS, HENRY LAWRENCE, Jr., PH.D. (Experimental Statistics).
MASON, DAVID DICKENSON, PH.D. (Experimental Statistics).
MCVAY, FRANCIS EDWARD, PH.D. (Experimental Statistics).
MEARES, JEFFERSON SULLIVAN, M.S. (Physics).
MENIUS, ARTHUR CLAYTON, Jr., PH.D. (Physics).
MONROE, ROBERT JAMES, PH.D. (Experimental Statistics).
MUMFORD, CAREY GARDENER, PH.D. (Mathematics).
MURRAY, RAYMOND LEROY, PH.D. (Physics).
NAHIKIAN, HOWARD MOVESS, PH.D. (Mathematics).
PARK, HUBERT VERN, PH.D. (Mathematics).
PETERSON, WALTER JOHN, PH.D. (Chemistry).
REID, WILLIS ALTON, PH.D. (Chemistry).
RIGNEY, JACKSON ASHCROFT, PH.D. (Experimental Statistics).
ROBINSON, COWIN COOK, PH.D. (Chemistry).
SAGAN, HANS, PH.D. (Mathematics).
SHREVE, DARRELL RHEA, PH.D. (Experimental Statistics).
STACY, RALPH WINSTON, PH.D. (Experimental Statistics).
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UNDERWOOD, NEWTON, PH.D. (Physics).
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School of Textiles:
ASBILL, CLARENCE MONROE, Jr., B.S. (Textile Machine Design and Development).
BOGDAN, JOHN FRANCIS, B.S. (Textile Research).
CAMPBELL, KENNETH STODDARD, B.S. (Textile Chemistry).
CAMPBELL, MALCOLM EUGENE, B.S. (Textiles).
CATES, DAVID MARSHALL, PH.D. (Textile Chemistry).
GROVER, ELLIOT BROWN, B.S. (Textile Technology).
HAMBY, DAME SCOTT, B.S. (Textile Technology).
JENNINGS, HARLEY YOUNG, PH.D. (Textile Research).
PORTER, JOSEPH ALEXANDER, M.S. (Textile Technology).
RUTHERFORD, HENRY AMES, M.A. (Textile Chemistry).
SHINN, WILLIAM EDWARD, M.S. (Knitting Technology).

The University of North Carolina at Greensboro:
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BARINEAU, ELIZABETH M., PH.D. (Romance Languages).
BLEND, CHARLES D., PH.D. (Romance Languages).
BRIDGERS, JOHN E., PH.D. (English).
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BUSH, MAY D., PH.D. (English).
CARPENTER, GILBERT F., A.B. (Art).
DUFFY, ELIZABETH, PH.D. (Psychology).
EBERHART, BRUCE M., PH.D. (Biology).
FARINHOLT, VIRGINIA, PH.D. (Romance Languages).
FERGUSON, JAMES S., PH.D. (History).
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HUNTER, EUGENIA, PH.D. (Education).
JARRELL, RANDALL, M.A. (English).
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LITTLEJOHN, VANCE T., PH.D. (Business Education).
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SINGLETARY, OTIS A., PH.D. (History).
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TAYLOR, PETER H., A.B. (English).
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VAUGHAN, HERBERT E., Jr., M.A. (Education).
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Number of students: 3,038 men, 1,122 women, total 4,160.

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Number of students: 3,800.
Publications: *The Bulletin.*

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Librarian: ROLAND HERBERT MOODY, A.B., B.L.S.

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Vice-President and Business Manager: WILLIAM S. KERR.
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Library: *see* Libraries.
Number of faculty (full-time): 730.
Number of students (full-time): 5,862 men, 3,233 women, total 9,095.
Publications: *Northwestern University Law Review* (bi-monthly), *Journal of Criminal Law, Criminology and Police Science* (bi-monthly), *Dental Research and Graduate Study Bulletin* (twice a year).

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Saxe, Harry C. (Civil Engineering).
Scannell, John A. (Physical Education).
Schaefer, Victor A. (Library).
Schlitzer, Rev. Albert L., c.s.c. (Theology).
Schubmehl, Raymond J. (Engineering Science).
Seeler, Otto F. (Architecture).
Sessler, Stanley S. (Art).
Sheedy, Rev. Charles E., c.s.c. (Theology).
Shilts, Walter L. (Civil Engineering).
Smelser, Marshall T. (History).
Smith, Allan S. (Chemical Engineering).
Smithberger, Andrew T. (English).
Sobocinski, Boleslaw (Philosophy).
Soleta, Rev. C. A., c.s.c. (English).
Spritzen, Col. Roland J. (Naval Science).
Stoll, Wilhelm (Mathematics).
Strandhagen, Adolf G. Engineering Science).
Stritch, Thomas J. (Communication Arts).
Sullivan, Richard T. (English).
Szczesniak, Boleslaw (History).
Thiele, Ernest W. (Chemical Engineering).
Thorson, Ralph E. (Biology).
Turley, John P. (Classics).
Waldman, Bernard (Physics).
Ward, Bernard J. (Law).
Yang, Kwang-Tzu (Mechanical Engineering).
Zassenhaus, Hans (Mathematics).

OHIO UNIVERSITY

ATHENS, OHIO
Telephone: 31011

Founded 1804; the first land-grant college in the U.S. First college in northwestern territory and beyond.

President: Vernon R. Alden.
Treasurer: Paul R. O'Brien, A.B.C.
Registrar: Robert E. Mahn, M.A.
Director of Admissions: C. E. Williams, A.B.
Librarian: Walter W. Wright, B.S.L.S.
Curator: A. H. Blickle, PH.D.

The library contains 300,000 volumes.
Number of teachers: 425.
Number of students: 4,956 men, 3,098 women, total 8,054.
Publication: *Ohio University Review.*

Deans:

Applied Science: E. J. Taylor, M.S.
Arts and Science: Rush Elliott, PH.D.
Commerce: Paul L. Noble, PH.D.
Education: F. N. Hamblin, ED.D.
Fine Arts: E. C. Seigfred, PH.D.
University: Gaige Paulsen, PH.D.
Graduate: D. R. Clippinger, PH.D.

OHIO STATE UNIVERSITY

COLUMBUS 10, OHIO
Telephone: Cypress 3-3148

Founded 1870.

President: Novice G. Fawcett, M.A., LL.D., L.H.D., LITT.D., D.P.S.
Vice-President for Instruction and Research: Frederic W. Heimberger, PH.D.
Vice-President for Business and Finance: Gordon B. Carson, M.S.
Vice-President and Secretary to the Board of Trustees: John T. Mount.
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Executive Dean, Student Relations: John T. Bonner, PH.D.
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Executive Director, Campus Planning: John H. Herrick, PH.D.
Registrar: Kenneth R. Varner, M.SC.
Comptroller: Charley F. Miller.
Director of Libraries: Lewis C. Branscomb, PH.D.
Director of Museum: Erwin C. Zepp, B.L.A.

Library *see* Libraries.
Teaching staff: 1,208 men, 206 women, total 1,414.
Number of students: 32,000.

Deans:

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College of Arts and Sciences: J. Osborn Fuller, PH.D.
College of Commerce and Administration: James R. McCoy, M.B.A.
College of Dentistry: Wendell D. Postle, D.D.S.
College of Education: Donald P. Cottrell, PH.D.
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College of Medicine: Richard L Meiling, M.D., D.SC.
College of Pharmacy: Lloyd M. Parks, PH.D.
College of Veterinary Medicine: Walter R. Krill, B.S., D.V.M.
Graduate School: Everett Walters, PH.D.

Professors:

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Allison, Clyde C. (Botany and Plant Pathology).
Baker, Ralph (Poultry Science).
Barre, Henry J. (Agricultural Engineering).
Baumer, Elmer F. (Agricultural Economics and Rural Sociology).
Bender, Ralph E. (Agricultural Education).
Blaydes, Glenn W. (Botany and Plant Pathology).
Borror, Donald J. (Zoology and Entomology).
Briggs, John D. (Zoology and Entomology).
Brown, Walter N. (Horticulture and Forestry).
Cahill, Verne R. (Animal Science).
Chadwick, Lewis C. (Horticulture and Forestry).
Cravens, Metellus E. (Agricultural Economics and Rural Sociology).
Davidson, Ralph H. (Zoology and Entomology).
Deatherage, Fred E. (Agricultural Biochemistry).
Dirks, Marie M. (Home Economics).
Ely, Fordyce (Dairy Science).
Gould, Ira A. (Dairy Technology).
Gould, Wilbur A. (Horticulture and Forestry).
Gray, William D. (Botany and Plant Pathology).
Harper, W. James (Dairy Technology).
Hartman, Fred O. (Horticulture and Forestry).
Haub, James G. (Zoology and Entomology).
Henning, George F. (Agricultural Economics and Rural Sociology).
Heye, Helene (Home Economics).
Hill, Robert G. (Horticulture and Forestry).
Hillman, Christine (Home Economics).
Holowaychuk, Nicholas (Agronomy).
Howlett, Freeman S. (Horticulture and Forestry).
Jaap, R. George (Poultry Science).
Johnson, George R. (Animal Science).
Kiplinger, Donald C. (Horticulture and Forestry).
Kunkle, Lawrence E. (Animal Science).
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MCLEOD, HERBERT E. (Agricultural Engineering).
MEYER, BERNARD S. (Botany and Plant Pathology).
MILLER, JOHN A. (Zoology and Entomology).
MILLER, JOSEPH N. (Zoology and Entomology).
MOORE, RICHARD O. (Agricultural Biochemistry).
MORTENSEN, JAMES L. (Agronomy).
NEWARK, CHRISTINE (Home Economics).
PRICE, JOHN W. (Zoology and Entomology).
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SCHWAB, GLENN O. (Agricultural Engineering).
SCOTT, DOROTHY D. (Home Economics).
SHERMAN, RALPH W. (Agricultural Economics and Rural Sociology).
SITTERLEY, JOHN H. (Agricultural Economics and Rural Sociology).
SLATTER, WALTER L. (Dairy Technology).
SMITH, MERVIN G. (Agricultural Economics and Rural Sociology).
SMITH, PAUL E. (Agronomy).
SNELL, JUNIUS F. (Agricultural Biochemistry).
STEWART, ROBERT E. (Agricultural Engineering).
SWANSON, CARROLL A. (Botany and Plant Pathology).
TAFT, CLARENCE E. (Botany and Plant Pathology).
TAYLOR, GEORGE S. (Agronomy).
TEAGUE, HOWARD (Animal Science).
TIDD, WILBUR M. (Zoology and Entomology).
TYZNIK, WILLIAM (Animal Science).
VENARD, CARL E. (Zoology and Entomology).
VOLK, GARTH W. (Agronomy).
WHARTON, GEORGE W. (Zoology and Entomology).
WILSON, EVA D. (Home Economics).
WILSON, RICHARD F. (Animal Science).
WINTER, ALDEN R. (Poultry Science).
WOLF, WILLARD H. (Agricultural Education).
WOOD, LEVELLE (Home Economics).
WOODIN, RALPH J. (Agricultural Education).

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ALTICK, RICHARD D. (English).
AUMANN, FRANCIS R. (Political Science).
BABCOCK, JAMES C. (Romance Languages).
BALDWIN, JACK N. (Microbiology).
BARKER, STEPHEN F. (Philosophy).
BATES, ROBERT L. (Geology).
BELL, ELY E. (Physics).
BIRKELAND, JORGEN M. (Microbiology).
BLACK, JOHN W. (Speech).
BOHL, EDWARD H. (Microbiology).
BORELLI, LUIGI C. (Romance Languages).
BRANDENBERGER, ARTHUR
BREMNER, ROBERT H. (History).
BURCKHARDT, SIGURD (German).
CALEY, EARLE R. (Chemistry).
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COLES, HARRY L., Jr. (History).
CUNZ, DIETER (German).
DAUNT, JOHN G. (Physics).
DAVIDSON, HUGH M. (Romance Languages).
DODD, MATTHEW C. (Microbiology).
DORPALEN, ANDREAS (History).
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ESTRICH, R. M. (English).
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FISHER, SYDNEY N. (History).
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BOGATAY, PAUL (School of Fine Arts).
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BURR, JAMES B. (Education).
CASSIDY, VIOLA (Psychology).
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COTTRELL, DONALD P. (Education—Administration).
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FAWCETT, HAROLD P. (Education).
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HARDESTY, GEORGE E. (School of Music).
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LAUGHLIN, HUGH D. (Education).
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LIVINGSTON, HERBERT S. (School of Music).
LOGAN, WILLIAM B. (Education).
LOOMIS, MARY J. (University Schools).
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McBRIDE, WILLIAM B. (Education—Administration and School of Music).
McGINNIS, DONALD E. (School of Music).
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MILES, RAYMOND C. (Psychology).
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WHERRY, ROBERT J. (Psychology).
WICKENS, DELOS D. (Psychology).

College of Engineering:

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BECK, FRANKLIN H. (Engineering Experimental Station).
BLAU, HENRY H. (Ceramic Engineering).
BOONE, E. MILTON (Electrical Engineering).
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CLARK, EDGAR C. (Engineering Mechanics).
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GEANKOPLIS, CHRISTIE (Chemical Engineering).
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KRUMIN, PETER O. (Engineering Experimental Station).
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CALLAHAN, CHARLES C. (College of Law).
DAVIES, ELWYN G. (College of Law).
FULDA, CARL H. (College of Law).
LATTIN, NORMAN D. (College of Law).
LYNN, ROBERT J. (College of Law).
STANGER, ROLAND J. (College of Law).
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WILLS, ROBERT L. (College of Law).

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BOZLER, EMIL (Physiology).
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KNIES, PHILLIP T. (Medicine and Medical Research).
LEWIS, MARTHA N. (Preventive Medicine).
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MYERS, WILLIAM G. (University Hospital).
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PRIOR, JOHN A. (Medicine and Medical Research).
RYAN, JOSEPH M. (Medicine and Medical Research).
SASLAW, SAMUEL (Medicine and Medical Research).
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SHILLITO, FREDERICK H. (Preventive Medicine).
ULLERY, JOHN C. (Obstetrics and Gynæcology).
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WARREN, JAMES V. (Medicine and Medical Research).
WHEELER, WARREN E. (Pediatrics).
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ZOLLINGER, ROBERT M. (Surgery).

College of Pharmacy:

GUTH, EARL P.
HARRIS, LOYD E.
NELSON, JOHN W.
PARKS, LLOYD M.
TYE, ARTHUR

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HELWIG, JOHN H. (Veterinary Preventive Medicine).
JOHNSON, LEROY E. (Veterinary Surgery and Radiology).
JONES, DAVID O. (Veterinary Preventive Medicine).
KOUTZ, FLEETWOOD R. (Veterinary Parasitology).
RUDY, RICHARD L. (Veterinary Surgery and Radiology).
SMITH, CHARLES R. (Veterinary Physiology and Pharmacy).

OHIO WESLEYAN UNIVERSITY

DELAWARE, OHIO
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Telegraphic Address: Delaware, Ohio

Founded by Methodist Episcopal Church 1841; Chartered 1842.

President: ELDEN T. SMITH.
Treasurer: ROBERT W. MEYER.
Registrar: ALLAN C. INGRAHAM.
Provost: ELDEN T. SMITH.
Dean of Men: RONALD STEAD.
Dean of Women: AUDREY M. PARKER.

Number of teachers: 160.
Number of students: 2,100.
Publications: *OWU Bulletin* (quarterly), *Transcript* (weekly), *Alumni Magazine* (6 issues).

UNIVERSITY OF OKLAHOMA

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Telephone: JE 6-0900
Telegraphic Address: Norman, Oklahoma

Founded 1890, opened 1892.

President: GEORGE LYNN CROSS, M.S., PH.D.
Executive Vice-President: PETE KYLE MCCARTER, PH.D.
Financial Vice-President and Business Manager: HORACE BRIGHTBERRY BROWN, PH.D.
Vice-President in Charge of Research and Development: LLOYD EDWARD SWEARING, PH.D.
Secretary: EMIL R. KRAETTLI.
Business Manager: DUDGEON BRENTNALL GIEZENTANNER, M.S.
Dean of Admissions and Registrar: JOHN E. FELLOWS, PH.D.
Librarian: ARTHUR M. MCANALLY, PH.D.

Number of teachers: 816.
Number of students: 16,712.
Publications: *University of Oklahoma Bulletin, Books Abroad.*

DEANS:

College of Arts and Sciences: WILLIAM E. LIVEZEY.
College of Business Administration: HORACE BRIGHTBERRY BROWN, PH.D.
College of Education: JAMES G. HARLOW, PH.D.
College of Engineering: GENE MILO NORDBY, PH.D.
College of Fine Arts: FRANK DONALD CLARK, M.A.
Graduate College: ARTHUR HARRY DOERR, PH.D.
College of Law: EARL SNEED, L., LL.M., J.S.D.
School of Medicine: MARK RUEBEN EVERETT, PH.D.
College of Pharmacy: LLOYD ERVIN HARRIS, PH.D.
University College: GLENN C. COUCH, PH.D.
School of Nursing: HELEN PATTERSON, PH.D.
Extension Division: THURMAN JAMES WHITE, PH.D.

OKLAHOMA STATE UNIVERSITY

STILLWATER, OKLAHOMA
Telephone: Frontier 2-6211

President: OLIVER SIRALVO WILLHAM, M.S., PH.D.
Vice-President: ALBERT EDWARD DARLOW, M.S., PH.D.
Vice-President in Charge of Academic Affairs: ROBERT W. MACVICAR, B.A., M.S., PH.D.
Comptroller: J. L. SANDERSON, B.S.
Registrar: RAYMOND GIROD, M.S.

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Number of teachers: 620, including 175 full professors.
Number of students: 8,616 men, 3,563 women, total 12,179.

DEANS:

Dean of Students: FRANK E. MCFARLAND, M.S., PH.D.
College of Education: JAMES ANDREW HOLLEY, M.A., ED.D.
College of Resident Instruction for Agriculture: RANDALL JEFFRIES JONES, M.S., PH.D.
Dean of Graduate School: ROBERT W. MACVICAR, B.A., M.S., PH.D.
College of Veterinary Medicine: GLENN C. HOLM, D.V.M., B.S., M.S.
College of Home Economics: LELA O'TOOLE, B.S., M.A., PH.D.
College of Arts and Sciences: ROBERT B. KAMM, B.A., M.S., PH.D.
College of Engineering: MELVIN RUDOLPH LOHMANN, M.S., PH.D.
Dean of Business: EUGENE L. SWEARINGEN, B.S., M.S., PH.D.
Director of Continuing Education: J. CONNER FITZGERALD, B.S., M.S., ED.D.

Research Divisions:

Engineering Research and Experiment Station: CLARK ALLAN DUNN, M.S. IN C.E., PH.D. (*Executive Director*).
Agricultural Experiment Station: LOUIS EDWARD HAWKINS, B.S., M.S., PH.D. (*Director*).
Research Foundation: MARVIN TIPTON EDMISON, B.A., M.S., PH.D. (*Director*).

THE UNIVERSITY OF OMAHA

OMAHA, NEBRASKA

Founded 1908

President: MILO BAIL, PH.D., LL.D.
Dean of Administration: KIRK E. NAYLOR, ED.D.
Registrar: VIRGIL V. SHARPE, B.A.
Librarian: ELLEN LORD, B.A.L.S.

Number of teachers: 196.
Number of students: Day: 2,494 men, 1,261 women, total 3,755; Night: 2,236 men, 1,148 women, total 3,384.
Publications: *Gateway* (weekly), *Tomahawk* (Yearbook), *Student Directory, Catalogue* (biennial).

DEANS:

Student Personnel: DONALD J. PFLASTERER, M.ED.
College of Arts and Sciences: Dr. ROBERT HARPER.
College of Applied Arts and Sciences: Dr. CARL W. HELMSTADTER.
College of Education: Dr. FRANK H. GORMAN.
College of Adult Education: Dr. DONALD Z. WOODS.
College of Business Administration: JOHN W. LUCAS, M.A.

UNIVERSITY OF OREGON

EUGENE AND PORTLAND, OREGON
Telephone: DI 21411

Established 1872, opened 1876

President: ARTHUR S. FLEMMING, LL.D.
Dean of Administration: WILLIAM C. JONES, PH.D.
Dean of Students: DONALD M. DU SHANE, M.A.
Dean of Faculties: ROBERT D. CLARK, PH.D.
Registrar: CLIFFORD L. CONSTANCE, M.A.
Director of Fiscal Affairs: J. ORVILLE LINDSTROM, B.S.
Librarian: CARL W. HINTZ, PH.D.

The libraries contain 889,173 volumes.
Number of teachers (Eugene Campus only, 1962-63): 790 men, 144 women, total 934.
Number of students (Eugene Campus only, 1962-63): 6,332 men, 4,198 women, total 10,530.

Publications: *University of Oregon Bulletin* (9 issues per year), *University of Oregon Books and Monographs, Comparative Literature* (quarterly), *Oregon Law Review* (quarterly), *Oregon Business Review* (monthly), *Call Number* (twice-yearly), *Curriculum Bulletin* (10 issues yearly), *Physical Education Microcards, Municipal Research Bulletins.*

DEANS:

Graduate School: HARRY ALPERT, PH.D.
College of Liberal Arts: CHARLES E. JOHNSON, PH.D. (Acting).
School of Architecture and Allied Arts: WALTER L. CREESE, PH.D., M.ARCH. (Acting).
School of Business Administration: RICHARD W. LINDHOLM, PH.D.
Dental School: HAROLD J. NOYES, D.D.S., M.D.
School of Education: PAUL B. JACOBSON, PH.D.
School of Health, Physical Education and Recreation: ARTHUR A. ESSLINGER, PH.D.
School of Journalism: JOHN L. HULTENG, M.S.
School of Law: ORLANDO J. HOLLIS, B.S., J.D.
Medical School: DAVID W. E. BAIRD, M.D. LL.D.
School of Music: ROBERT M. TROTTER, PH.D.
School of Nursing: JEAN E. BOYLE, M.S., R.N.
Honors College: LUCIAN C. MARQUIS (Acting Director).

PROFESSORS:

ALY, BOWER, PH.D. (Speech).
ANDREWS, GEORGE F., B.S., N.C.A.R.B. (Architecture).
ATTNEAVE, FRED, III, PH.D. (Psychology).
AUSTIN, GEORGE M., M.D. (Neurosurgery).
AVERY, CURTIS E., M.A. (Education).
BALDINGER, WALLACE S., PH.D. (Art).
BALDWIN, EWART M., PH.D. (Geology).
BALLAINE, WESLEY C., PH.D. (Business Economics).
BARNETT, HOMER G., PH.D. (Anthropology).
BEALL, CHANDLER B., PH.D. (Romance Languages).
BENDER, ERWIN T., D.D.S. (Dentistry).
BENSON, RALPH C., M.D. (Obstetrics and Gynaecology).
BERREMAN, JOEL V., PH.D. (Sociology).
BLACK, FRANK G., PH.D. (English).
BOEKELHEIDE, VIRGIL C., PH.D. (Chemistry).
BOWERMAN, WILLIAM J., M.S. (Physical Education).
BREEN, QUIRINUS, PH.D. (History).
BROOKHART, JOHN M., PH.D. (Physiology).
BURRELL, ORIN K., M.A., C.P.A. (Finance).
CANTWELL, KENNETH A., D.M.D. (Dentistry).
CASANOVA, LEONARD J., PH.B. (Physical Education).
CASTELL, ALBUREY, PH.D. (Philosophy).
CH'EN, SHANG-YI, PH.D. (Physics).
CIVIN, PAUL, PH.D. (Mathematics).
CLANCY, CLARENCE W., PH.D. (Biology).
CLARKE, H. HARRISON, ED.D. (Physical Education).
CLAYCOMB, C. KEITH, PH.D. (Biochemistry).
COMBELLACK, FREDERICK M., PH.D. (Greek Literature).
CRANE, JACKSON T., M.D. (Pathology).
CRESSMAN, LUTHER S., PH.D. (Anthropology).
CUTHBERT, FREDERICK A., M.L.D. (Landscape Architecture and Urban Planning).
CYKLER, EDMUND, PH.D. (Music).
DAVID, NORMAN A., M.D. (Pharmacology).
DAVIS, RICHARD M., PH.D. (Economics).
DE WEESE, DAVID D., M.D. (Otolaryngology).
DICKEN, SAMUEL N., PH.D. (Geography).
DOTTER, CHARLES T., M.D. (Radiology).
DOUGHERTY, DAVID M., PH.D. (Romance Languages).
DOUGHERTY, M. FRANCES, PH.D. (Physical Education).
DUBIN, ROBERT, PH.D. (Sociology).
DULL, PAUL S., PH.D. (History).
DUNPHY, J. ENGLEBERT, M.D. (Surgery).
EBBIGHAUSEN, EDWIN G., PH.D. (Physics).
ELLICKSON, RAYMOND T., PH.D. (Physics).
FARNSWORTH, LOUIS D., Jr., B.S. (Military Science).
FIXMAN, MARSHALL, PH.D. (Chemistry).
FIXOTT, H. CLINE, D.M.D. (Dentistry).
FOSKETT, JOHN M., PH.D. (Sociology).
FRISCH, ARTHUR W., PH.D., M.D. (Bacteriology).
FRY, ARTHUR E., D.D.S. (Dentistry).

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GREENE, MARK R., PH.D. (Insurance).
GREER, MONTE A., M.D. (Medicine).
GRISWOLD, HERBERT E., JR., M.D. (Medicine).
HAAR, FRANKLIN B., PH.D. (Health Education).
HADJIMARKOS, DEMETRIOS M., D.D.S. (Dentistry).
HANNAFORD, FREDERICK T., B.A., REG.ARCHT. (Architecture).
HARRIS, LEO A., M.A. (Physical Education).
HAUGEN, FREDERICK P., M.D. (Anæsthesiology).
HAYDEN, WALLACE S., B.ARCH., REG.ARCHT. (Architecture).
HEARN, ARTHUR C., ED.D. (Education).
HILL, TERRELL L., PH.D. (Chemistry).
HINES, CLARENCE, D.ED. (Education).
HIXON, ERNEST H., D.D.S. (Dentistry).
HODGES, CLARENCE V., M.D. (Urology).
HOELTJE, HUBERT H., PH.D. (English).
HOLMAN, CHARLES N., M.D. (Medicine).
HOPKINS, GEORGE, B.A. (Piano).
HORN, ROBERT D., PH.D. (English).
HOYLE, GRAHAM, D.SC. (Biology).
HUTCHENS, TYRA T., M.D. (Clinical Pathology).
JESSUP, BERTRAM E., PH.D. (Philosophy).
JOHNSON, CARL L., PH.D. (Romance Languages).
JOHNSON, CHARLES E., PH.D., C.P.A. (Accounting).
JUMP, ELLIS B., D.M.D., PH.D. (Anatomy).
KAGAN, SIOMA, PH.D. (International Business).
KAMBLY, PAUL E., PH.D. (Education).
KIRSCH, DONALD H., B.S. (Physical Education).
KITZHABER, ALBERT R., PH.D. (English).
KLEINSORGE, PAUL L., PH.D. (Economics).
KOCHER, JOHN W., M.CRIM. (Air Science).
LABBY, DANIEL H., M.D. (Medicine).
LACY, FRANK R., J.D., LL.M. (Law).
LEEPER, ROBERT W., PH.D. (Psychology).
LEPPMANN, WOLFGANG A., PH.D. (Germanic Languages).
LEWIS, HOWARD P., M.D. (Medicine).
LITTMAN, RICHARD A., PH.D. (Psychology).
LOBITZ, WALTER C., JR., M.D. (Dermatology).
LORWIN, VAL R., PH.D. (History).
LOWE, RAYMOND N., ED.D. (Education).
MCCLOSKEY, JOHN C., PH.D. (English).
MCCOSH, DAVID J. (Art).
MCNEIR, WALDO F., PH.D. (English).
MAHLER, DAVID B., PH.D. (Dental Materials).
MARTIN, WALTER T., PH.D. (Sociology).
MATARAZZO, JOSEPH D., PH.D. (Medical Psychology).
MIKESELL, RAYMOND F., PH.D. (Economics).
MILLER, MARIAN H., M.D. (Health Education).
MINER, JOHN B., PH.D. (Management).
MOLL, ERNEST G., A.M. (English).
MOORE, CARLISLE, PH.D. (English).
MOORHEAD, JENNELLE V., M.S. (Health Education).
MORRISON, PERRY D., D.L.S. (Librarianship).
MOURSUND, ANDREW F., PH.D. (Mathematics).
NIVEN, IVAN M., PH.D. (Mathematics).
NOVICK, AARON, PH.D. (Biology).
NOVITSKI, EDWARD, PH.D. (Biology).
NOYES, RICHARD M., PH.D. (Chemistry).
NYE, ROBERT E., PH.D. (Music Education).
OLMSTED, RICHARD W., M.D. (Pediatrics).
OSGOOD, EDWIN E., M.D. (Medicine).
PEARSON, ANTHONY A., PH.D. (Anatomy).
PELLEGRIN, ROLAND J., PH.D. (Sociology).
PHATAK, NILKANTH M., PH.D. (Pharmacology).
POLEY, MARGARET S., PH.D. (Physical Education).
POMEROY, EARL, PH.D. (History).
PORTER, DONALD R., D.D.S. (Dentistry).
PORTER, KENNETH W., PH.D. (History).
POWELL, JOHN L., PH.D. (Physics).
PRICE, WARREN C., M.A. (Journalism).
REED, EDWARD W., PH.D. (Finance).
REITHEL, FRANCIS J., PH.D. (Chemistry).
RHODA, WILLIAM P., O.E.D. (Physical Education).
RICKLES, NORMAN H., D.D.S. (Dentistry).
RISLEY, PAUL L., PH.D. (Biology).
ROBINSON, HORACE W., M.A. (Speech).
ROBINSON, WILLIAM S., PH.D. (Sociology).
RODNEY, LYNN S., PH.D. (Recreation Management).
ROMNEY, MILES C., PH.D. (Education).
ROSS, MARION D., M.ARCH., REG.ARCH. (Architecture).
RUMMEL, J. FRANCIS, PH.D. (Education).
SANDIN, ADOLPH A., PH.D. (Education).
SASLOW, GEORGE, PH.D., M.D. (Psychiatry).
SAVARA, BHIM S., D.M.D. (Dentistry).
SCHEER, BRADLEY T., PH.D. (Biology).
SCHLEICHER, CHARLES P., PH.D. (Political Science).
SHANAHAN, WILLIAM O., PH.D. (History).
SHAPIRO, VICTOR L., PH.D. (Mathematics).
SHERWOOD, JOHN C., PH.D. (English).
SIGERSTETH, PETER O., D.ED., PH.D. (Physical Education).
SIMPSON, PAUL B., PH.D. (Economics).
SNYDER, MARSHALL L., PH.D. (Bacteriology).
SODERWALL, ARNOLD L., PH.D. (Biology).
SPAULDING, ALBERT C., PH.D. (Anthropology).
SPRAGUE, VERNON S., PH.D. (Physical Education).
STAPLES, LLOYD W., PH.D. (Geology).
STARLIN, D. GLENN, PH.D. (Speech).
STEPHENSON, WENDELL H., PH.D., LITT.D., LL.D. (History).
SUSKIND, RAYMOND R., M.D. (Environmental Medicine and Dermatology).
SVENDSEN, KESTER, PH.D. (English).
SWAN, KENNETH C., M.D. (Ophthalmology).
SWANK, ROY L., M.D., PH.D. (Medicine).
SWINEHART, DONALD F., PH.D. (Chemistry).
TERKLA, LOUIS G., D.M.D. (Dentistry).
TOPE, DONALD E., PH.D. (Education).
TYLER, LEONA E., PH.D. (Psychology).
VAGNER, ROBERT S., M.A., M.MUS. (Music).
VANCE, STANLEY C., PH.D. (Business Administration).
VAN ZILE, WILBUR N., D.D.S. (Dentistry).
VINCENT, ANDREW M. (Art).
WANNIER, GREGORY H., PH.D. (Physics).
WASHKE, PAUL R., PH.D. (Physical Education).
WEBER, VINSON M., D.D.S. (Dentistry).
WEINZIRL, ADOLPH, M.D. (Public Health and Preventive Medicine).
WENGERT, EGBERT S., PH.D. (Political Science).
WEST, EDWARD S., PH.D. (Biochemistry).
WILKINSON, JACK (Art).
WILSON, WYMAN H., D.D.S. (Dentistry).
WOOD, HUGH B., ED.D. (Education).
WOOD, KENNETH S., PH.D. (Speech).
WOOD, MABEL A., M.S. (Home Economics).
WOODRUFF, JANET G., M.A. (Physical Education).
YOOD, BERTRAM, PH.D. (Mathematics).
YOUNGQUIST, WALTER L., PH.D. (Geology).

OREGON STATE UNIVERSITY

CORVALLIS, OREGON
Telephone: Plaza 2-4211
Established 1868

President: JAMES HERBERT JENSEN, M.A., PH.D.
Dean of Administration: MILOSH POPOVICH, M.S.
Dean of Faculty: EDMUND H. VOLKART, PH.D.
Dean of Students: ROBERT E. CHICK, ED.D.
Dean of Men: DAN WILLIAMS POLING, ED.D.
Dean of Women: HELEN STERLING MOOR, M.A.
Registrar: WALLACE E. GIBBS, ED.M.
Business Manager: G. MORRIS ROBERTSON, M.S.
Librarian: WILLIAM HUGH CARLSON, M.A., IN L.S.
Curator: LULA M. STEPHENSON.

The library contains 434,753 volumes.
Number of teachers 835.
Number of students: 6,925 men, 3,112 women, total 10,037.

DEANS:

Graduate School: H. P. HANSEN, PH.D.
School of Humanities and Social Science: GORDON W. GILKEY, M.F.A.
School of Science: VERNON H. CHELDELIN.
School of Agriculture: F. E. PRICE, B.S.
School of Business and Technology: C. E. MASER, PH.D.
School of Education: FRANKLIN R. ZERAN, PH.D.
School of Engineering: G. W. GLEESON, CH.E.
School of Forestry: W. F. MCCULLOCH, ED.D.
School of Home Economics: MIRIAM GROSSER SCHOLL, ED.D.
School of Pharmacy: C. O. WILSON, PH.D.

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UNIVERSITY OF THE PACIFIC

STOCKTON 4, CALIFORNIA

Founded as California Wesleyan College 1851; name changed to University of the Pacific 1852; consolidated with Napa College 1896; name changed to College of the Pacific 1911; name changed to University of the Pacific 1961.

President: ROBERT E. BURNS.
Academic Vice-President: SAMUEL L. MEYER.
Business Manager: ROBERT R. WINTERBERG.
Registrar: ELLEN L. DEERING.
Librarian: ARTHUR W. SWANN.

Number of teachers: 331.
Number of students: 2,526.

DEANS:

Education: J. MARC JANTZEN.
Engineering: HENDERSON MCGEE.
Graduate Studies: WILLIS N. POTTER.
Liberal Arts: HAROLD S. JACOBY.
Men: GORDON G. ZIMMERMAN.
Music: J. RUSSELL BODLEY.
Pharmacy: IVAN W. ROWLAND.
Students: EDWARD S. BETZ.
Summer Session: J. MARC JANTZEN.
Women: CATHERINE P. DAVIS.
Raymond College: WARREN MARTIN (*Provost*).
Covell College: ARTHUR J. CULLEN (*Director*).
Dentistry: JOHN J. TOCCHINI.

UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA, PENNSYLVANIA
Telephone: 594-5000
Founded 1740

President: GAYLORD P. HARNWELL, PH.D., SC.D., LL.D., PD.D., C.L.D.
Provost: DAVID R. GODDARD, A.M., PH.D.
Vice-Presidents: DONALD K. ANGELL, B.S. IN ECON., I. S. RAVDIN, M.D., SC.D., L.H.D., LL.D., HAROLD E. MANLEY, A.B., CARL C. CHAMBERS, B.S., SC.D., GENE D. GISBURNE, B.S. IN ED., JOHN C. HETHERSTON, B.S. IN ECON., CHESTER E. TUCKER, A.B.
Secretary: STUART H. CARROLL, A.B.
Treasurer: W. RICHARD GORDON, B.S. IN ECON.
Chaplain: STANLEY E. JOHNSON, A.B., B.TH.
Comptroller: DONALD S. MURRAY, B.S., A.M., PH.D.
Librarian: KENNETH M. SETTON, M.A., PH.D., D.LITT.

Library: *see* Libraries.
Number of teachers: 3,505.
Number of students: 13,309 men, 5,038 women, total 18,347.
Publications: ***Veterinary Extension Quarterly, University of Pennsylvania Law Review, Hispanic Review, American Quarterly, University Bulletins, Pennsylvania Gazette, Schoolmen's Week Proceedings, Morris Arboretum Bulletin,*** *Biological Abstracts, Wistar Institute Publications, Journal of Social Work Process, Expedition.*

DEANS AND DIRECTORS:

Annanberg School of Communications: ROBERT E. SPILLER, A.M., PH.D. (acting).
College of Arts and Sciences: OTTO SPRINGER, PH.D.
College of General Studies: RICHARD J. STONESIFER, PH.D.
Evening and Extension School: WILLIAM R. HOCKENBERRY, A.M., LL.D.
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Graduate School of Fine Arts: G. HOLMES PERKINS, A.B., M.ARCH.
Graduate School of Education: MORRIS S. VITELES, PH.D. (acting).
Engineering Schools (Directors).
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Metallurgical Engineering: ROBERT MADDIN, B.S., PH.D.
Moore School of Electrical Engineering: JOHN G. BRAINERD, B.S. (ECON.), SC.D.
Towne School of Civil and Mechanical Engineering: HSUAN YEH, B.S., M.S., SC.D.
Wharton School of Finance and Commerce: WILLIS J. WINN, A.B., M.A., PH.D.
School of Allied Medical Professions: WESLEY G. HUTCHINSON, A.M., M.A., PH.D.
School of Nursing: THERESA I. LYNCH, M.A., ED.D.
Graduate School of Arts and Sciences: ROY F. NICHOLS, M.A., PH.D., LITT.D., L.H.D., LL.D.
Wharton Graduate Division: DONALD F. BLANKERTZ, A.B., M.B.A., PH.D. (*Director*).
Law School: JEFFERSON B. FORDHAM, A.M., J.S.D., LL.D.
School of Medicine: SAMUEL GURIN, PH.D., SC.D.
Graduate School of Medicine: PAUL NEMIR, JR., A.B., M.D.
School of Dentistry: LESTER W. BURKET, D.D.S., M.D., SC.D.
School of Veterinary Medicine: MARK W. ALLAM, V.M.D.
School of Social Work: RUTH E. SMALLEY, B.A., M.S.S., D.S.W.
Summer Sessions: RICHARD J. STONESIFER, PH.D.
Dean of Admissions: WILLIAM G. OWEN, B.S. IN ECON.
Dean of Men: ROBERT F. LONGLEY, B.A.
Dean of Women: CONSTANCE P. DENT, B.A., M.A., PH.D.

PROFESSORS:

ABERSOLD, JOHN R., M.A., LL.B., PH.D. (Industry).
ABRAHAM, HENRY J., PH.D. (Political Science).
AEGERTER, ERNEST, A.B., B.S., M.D. (Pathology).
ALDERSON, WROE, A.B. (Marketing and Finance).
ALLAM, MARK WHITTIER, V.M.D. (Veterinary Surgery).
ANDERSON, THOMAS F., B.S., PH.D. (Medical Physics).
ANDRADE, C. PRESTON, M.A. (Architecture).
APPEL, KENNETH E., M.D., PH.D., SC.D. (Psychiatry).
ARNOLD, WILLIAM E., A.M., PH.D. (Education).
ARTIGUES, ROLAND J., M.S.W. (Social Casework).
ATKINS, JOSEPH PRESTON, A.B., M.D., M.SC. (Bronchology Œsophagology and Laryngeal Surgery).
ATKINS, KENNETH R., B.A., M.A., PH.D. (Physics).
AUSTRIAN, ROBERT, B.A., M.D. (Research Medicine).
BAETHKE, DOROTHY E., B.S. IN ED., A.R.P.T. (Physical Therapy).
BATSON, OSCAR VIVIAN, M.A., M.D., SC.D. (Anatomy).
BEARDWOOD, JOSEPH THOMAS, JR., A.B., M.D., F.A.C.P. (Diseases of Metabolism).
BEERMAN, HERMAN, A.B., M.D., SC.D. (Clinical Dermatology).
BELLET, SAMUEL, M.D. (Clinical Cardiology).
BERRY, HARRISON M., JR., D.D.S. (Roentgenology).
BINNENDIJK, LEENDERT, PH.D. (Astronomy).
BLACK, M. WILSON, A.M., PH.D. (English).
BLAIN, DANIEL, M.D. (Psychiatry).
BLAKEMORE, WILLIAM S., B.S., M.D. (Surgery).
BLANKERTZ, DONALD FREDERIC, A.B., M.B.A., PH.D. (Marketing).
BLOOMFIELD, ARTHUR I., B.A., M.A., PH.D. (Economics).
BOCKRIS, JOHN O'MARA, PH.D., D.SC. (Chemistry) (Visiting).
BODDE, DERK, A.B., PH.D. (Chinese Studies).
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BONGIOVANNI, ALFRED M., B.S., M.D. (Pediatrics).
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PURDUE UNIVERSITY

LAFAYETTE, INDIANA
Telephone: 90, Lafayette Ind.

Founded 1869. Instruction commenced 1874

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Librarian: JOHN HELENBECK MORIARTY, A.B., M.S.L.S.

The library contains 564,000 volumes.
Number of teachers: 2,000
Number of students: 17,400 (5,000 additional students in Extension Centres).
Publications: *University Bulletins.*

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UNIVERSITY OF PUGET SOUND

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President: Dr. R. FRANKLIN THOMPSON.
Registrar: Mrs. HELEN W. BAY.
Librarian: WARREN PERRY.

Number of teachers: 88 full-time.
Number of students: 2,283.

DEANS:

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School of Business Administration: HOMER H. HAMNER.
Faculty of Education: DELWIN GIBBS.
School of Music: J. BRUCE RODGERS.
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UNIVERSITY OF REDLANDS

REDLANDS, CALIFORNIA
Telephone: Pyramid 3-2121

Founded 1907

President: GEORGE HENRY ARMACOST, PH.D.
Dean: MARC JACK SMITH, PH.D.
Registrar: ESTHER N. MERTINS, M.A.
Librarian: LAWRENCE MARSHBURN, M.S. IN L.S. (acting).

The library contains 128,505 volumes.
Number of teachers: 94.
Number of students: 1,221 (spring 1963).
Publication: *University of Redlands Bulletin.*

DEANS:

Education: ROBERT L. WEST.
Music: LESLIE P. SPELMAN.
Physical Education: ELLIS R. DAVIES.
Students: ROBERT GOODRIDGE.
Graduate School: WILLIAM E. UMBACH.

UNIVERSITY OF RHODE ISLAND

KINGSTON, RHODE ISLAND

Founded 1892 as Rhode Island College of Agriculture and Mechanic Arts.
Changed to University of Rhode Island, March 23rd, 1951.

President: FRANCIS H. HORN, PH.D., LL.D., L.H.D.
Treasurer: THORNTON N. MCCLURE, A.B.
Registrar: EDMUND J. FARRELL, M.ED.
Librarian: FRANCIS PITCHER ALLEN, M.A.

The library contains 224,520 volumes.
Number of teachers: 351, including 81 professors.
Number of students: 2,368 men, 1,375 women, total 3,743.
Publications: *Annual Report of the President and Other Officers, Annual Report of the Extension Service, Annual Report of the R.I. Agricultural Experiment Station, Bulletins of R.I. Engineering Experiment Station, Bulletin of University of R.I., Reporter.*

DEANS:

Dean of Students: EDWARD C. MCGUIRE, M.S.
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College of Pharmacy: HEBER W. YOUNGKEN, PH.D.
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Graduate School of Oceanography: JOHN ATKINSON KNAUSS, PH.D.
Graduate School: PETER H. NASH, PH.D.
Graduate School of Library Science: JON R. ASHTON, PH.D.
Summer Session: JAMES DANIEL BRASCH, PH.D.

RICE UNIVERSITY

(formerly Rice Institute)

P.O. BOX 1892, HOUSTON 1, TEXAS

Founded 1891.

President: KENNETH SANBORN PITZER, PH.D., D.SC.
Chancellor: CAREY CRONEIS, PH.D., LL.D., D.SC., D.ENG.
Dean of Graduate Studies: G. H. RICHTER, PH.D.
Director of Admissions: JAMES BERNARD GILES, M.A.
Bursar: L. M. WILKENS, B.A.
Registrar: MICHAEL V. MCENANY, M.A.
Librarian: HARDIN CRAIG, Jr., PH.D.
Dean of Humanities: W. H. MASTERSON, PH.D.
Dean of Engineering: FRANZ R. BROTZEN, PH.D.
Dean of Students: SANFORD WILSON HIGGINBOTHAM, PH.D.
Dean of Women: ALMA LOUISE LOWE, PH.D.

The library contains approximately 421,000 volumes.
Number of teachers: 250.
Number of students: 1,573 men, 419 women, total 1,992.
Publications: *Journal of Southern History* (quarterly). *Studies in English Literature* 1500-1900 (quarterly).

PROFESSORS:

ADAMS, JOHN ALLAN STEWART, PH.D. (Geology).
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UNIVERSITY OF RICHMOND

RICHMOND, VIRGINIA

Chartered as Richmond College 1840; as University of Richmond 1920.

President: GEORGE M. MODLIN, PH.D., LL.D.
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Registrar (Men): THOMAS N. POLLARD, JR., M.A.
Registrar (Women): CATHERINE BELL, M.A.
Acting Librarian: JOSEPHINE NUNNALLY, M.A. in L.S.

Number of teachers: 98 full-time, 62 part-time.

Number of students: 2,032 full-time, 3,292 part-time total 5,324.

Student Publications: *The Messenger* (magazine), *The Richmond Collegian* (weekly newspaper), *The Web* (annual).

DEANS:

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UNIVERSITY OF ROCHESTER

ROCHESTER, NEW YORK

Founded 1850.

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Provost: MCCREA HAZLETT, PH.D.
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Admissions Officer: GEORGE L. DISHINGER, JR., A.B., B.S.
Librarian: JOHN R. RUSSELL, PH.B., A.B. IN L.S.

The library contains 781,496 volumes.

Number of teachers: 1,183.

Number of students: 4,856 men, 2,419 women, total 7,275.

DEANS, ETC.:

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Department of Nursing: ELEANOR HALL, M.A., R.N.
College of Business Administration: HENRY C. MILLS, ED.D.
College of Education: WILLIAM A. FULLAGAR, PH.D.
College of Engineering: JOHN GRAHAM, JR., D.SC.
Memorial Art Gallery: HARRIS K. PRIOR (*Director*).

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GENHART, CECILE S. (Piano).
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GILMAN, WILLIAM H., PH.D. (English).
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YU, P. N., M.D. (Medicine).
YUILE, C. L., M.D. (Pathology and Radiation Biology).
ZIMMERMAN, OSCAR (Double Bass).

THE ROCKEFELLER INSTITUTE

NEW YORK 21, NEW YORK
Telephone: 212-LeHigh 59000

Founded 1901; became a graduate university in 1954

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Vice-President for Academic Administration: DOUGLAS MERRITT WHITAKER, A.B., PH.D.

Dean of Graduate Studies: FRANK BRINK, Jr., B.S., M.S., PH.D.

The library contains 55,000 volumes.
Number of teachers: 285.
Number of graduate students: 90.
Publications: *Bulletin* (Annual Report and Catalogue Issue), *Journal of Experimental Medicine, Journal of General Physiology, Journal of Cell Biology, Biophysical Journal,* The Rockefeller Institute *Review.*

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PROFESSORS:

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ARCHIBALD, REGINALD MACGREGOR, A.B., A.M., PH.D., M.D. (Medicine).
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Number of teachers: 1,252.
Number of students: 6,683 men, 2,569 women, total 9,252.
Publications: *The Classical Bulletin, The Modern Schoolman, Review for Religious, Theology Digest, The Medical Bulletin of Saint Louis University, Saint Louis University Law Journal, Social Order, Seismological Bulletin, Meteorological Bulletin, Manuscripta.*

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Publication: *Bulletin of Information.*

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School of Education: Dr. HERBERT D. REAS.
School of Engineering: DAVID W. SCHROEDER.
School of Nursing: Sister MARY RUTH, O.P.
College of Sister Formation: Mother MARY PHLOTHEA, F.C.S.P.
Graduate School: Rev. EDMUND MORTON, S.J.

SETON HALL UNIVERSITY

SOUTH ORANGE, NEW JERSEY

Founded 1856

President: Rt. Rev. MSGR. JOHN J. DOUGHERTY, S.S.D.
Vice-Presidents: JOHN F. DAVIS (business), ALFRED D. DONOVAN (students), THOMAS W. CUNNINGHAM (instruction).
Executive Vice-President: Rev. EDWARD J. FLEMING, PH.D.
University Librarian: Rev. CHARLES B. MURPHY, A.M., B.S. IN L.S.

Number of teachers: 350.
Number of students: 6,478 men, 2,399 women, total 8,877.
Publications: *The Bayley Review, The Setonian, The Galleon* (year book).

DEANS:

University College: JOHN E. O'BRIEN, PH.D.
College of Arts and Sciences: Rev. ALBERT HAKIM, PH.D.
School of Education: JOHN H. CALLAN.
School of Nursing: MARGARET C. HALEY, R.N., B.S., A.M.
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Men: Rev. THOMAS J. FAHEY.
Women: AMELIA L. KLEPP, M.B.A.
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UNIVERSITY OF THE SOUTH

(Protestant Episcopal Church)

SEWANEE, TENNESSEE

Chartered 1858.

President: EDWARD MCCRADY. PH.D.
Registrar: W. PORTER WARE.
Treasurer: DOUGLAS L. VAUGHAN, Jr.

The library contains 93,549 volumes.
Number of teachers: College 48, Seminary 8.
Number of students: College 602, Seminary 80.
Publication: *Sewanee Review.*

DEANS:

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Men: JOHN MAURICE WEBB.
Graduate Theology: MASSEY H. SHEPHERD, Jr.
Theology: Rev. GEORGE M. ALEXANDER, B.D., D.D.

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COLUMBIA, SOUTH CAROLINA

Telephone: Alpine 2-5641

Chartered 1801, opened 1805.

President: THOMAS F. JONES, B.S., M.S., BC.D.
Dean of the University: WILLIAM H. PATTERSON, PH.D.
Treasurer: FRANK F. WELBOURNE, B.SC.
Director of Admissions and Registrations: ROLLIN E. GODFREY, ED.D.

The library contains 450,000 volumes.
Number of teachers: 351.
Number of students: 7,782.
Publications: Annual Bulletins, *Summer Session Bulletin, Graduate School Bulletin.*

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STATE UNIVERSITY OF SOUTH DAKOTA

VERMILLION, SOUTH DAKOTA

Telephone: Market 4-4411

Founded 1882.

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Business Manager: WILLIAM J. CURRAN, B.S.
Registrar: HERMAN W. FRANKENFELD, A.M.

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Librarian: RUTH E. BERGMAN, A.M.

The library contains 183,000 volumes.
Number of teachers: 165.
Number of students: 1,782 men, 738 women, total 2,520.

DEANS:

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School of Business: R. F. PATTERSON, PH.D.
School of Education: MARK W. DELZELL, PH.D.
College of Fine Arts: WARREN M. LEE, PH.D.
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School of Law: (Vacant).
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SOUTHERN UNIVERSITY

SOUTHERN UNIVERSITY AND A. AND M. COLLEGE, BATON ROUGE, LOUISIANA

Founded 1880

President: FELTON G. CLARK.
Dean: ELTON C. HARRISON.
Registrar: JOHN J. HEDGEMON.
Librarian: CAMILLE S. SHADE.

Number of teachers: 273, including 47 professors.
Number of students: 2,331 men, 2,469 women, total 4,800.
Publication: *Creative Research Bulletin.*

DEANS:

Arts and Sciences: ROBERT L. OWENS.
College of Education: W. W. CLEM.
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Business Manager: ELTON D. PHILLIPS, A.B.
Librarian: LEWIS F. STIEG, PH.D.

The library contains 1,000,000 volumes.
Number of teachers: 3,233.
Number of students: 13,500 men, 3,500 women, total 17,000.
Publication: *Register* (annual).

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UNIVERSITY PARK, DALLAS, TEXAS

Chartered 1911.

President: WILLIS M. TATE.
Provost: WILLIAM L. AYRES.
Comptroller: TRENT C. ROOT.
Registrar: JOHN DOUGLAS CONNER.

The library contains 562,681 volumes.
Number of teachers: 400.
Number of students: 7,146.
Publications: *Southwest Review* (quarterly), *Field and Laboratory* (quarterly).

DEANS:

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GEORGETOWN, TEXAS

Opened 1873 by merging of Ruterville College (Chartered 1840), Wesleyan College (1844), McKenzie College (1848), and Soule University (1856); Blinn Memorial College of Methodist Episcopal Church merged with University from 1932 to 1934.

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Vice-President, Public Relations and Development: W. GRAVES BLANTON.
Registrar: PEARL A. NEAS.

The library contains 75,000 volumes.
Number of teachers: 54.
Number of students: 676.
Publications: *Bulletin* (monthly), *The Megaphone* (weekly), *Southwestern Magazine* (quarterly), *The Sou' Wester* (annual).

DEANS:

College of Arts and Sciences: F. B. CLIFFORD.
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Founded 1885

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Academic Secretary: H. DONALD WINBIGLER.
Director of Admissions: RIXFORD K. SNYDER.
Registrar: HARVEY HALL.
Libraries' Director: ELMER M. GRIEDER (acting).

Library: *see* Libraries.
Number of teachers: 2,000 including 365 full professors.
Number of students: 10,520.

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SANFORD, ROBERT NEVITT (Psychology and Education).
SCHAWLOW, ARTHUR LEONARD (Physics).
SCHIFF, LEONARD I. (Physics).
SCHIFFER, MENAHEM M. (Mathematics).
SCHMIDT, HAROLD C. (Music).
VAN SCHOONEVELD, CORNELIS HENDRIK (Slavic Languages and Literatures).
SCHRAMM, WILBUR (Communication and Journalism).
SCHWERDT, CARLTON E. (Medical Microbiology).
SCOTT, GORDON K. (Law).
SCOWCROFT, RICHARD P. (English).
SEARS, ROBERT R. (Psychology and Education).
SEIFERT, HOWARD S. (Aeronautical Engineering).
SENSABAUGH, GEORGE F. (English).
SERBEIN, OSCAR N., Jr. (Insurance).
SHALLENBERGER, FRANK K. (Industrial Management).
SHAW, EDWARD S. (Economics).
SHEPARD, CHARLES EDWARD (Hygiene and Physical Education).
SHEPARD, ORSON C. (Mining and Metallurgy).
SHER, BYRON D. (Law).
SHERBY, OLEG D. (Materials Science).
SHIRLEY, HALE F. (Psychiatry).
SHIVELY, DONALD HOWARD (Japanese).
SHOCKLEY, WILLIAM BRADFORD (Engineering Science).
SIEGEL, BERNARD J. (Anthropology).
SKILLING, HUGH HILDRETH (Electrical Engineering).
SKOOG, DOUGLAS ARVID (Chemistry).
SMITH, RALPH J. (Electrical Engineering).
SMITH, THOMAS CARLYLE (History).
SNEED, JOSEPH TYREE (Law).
SOLOMON, EZRA (Finance, Graduate School of Business).
SOLOMON, HERBERT (Statistics and Education).
SONKIN, SIMON (Microwave).
SOSKE, JOSHUA L. (Geophysics).
SPAETH, CARL B. (Law).
SPENCER, DONALD CLAYTON (Mathematics).
SPINDLER, GEORGE D. (Education and Anthropology).
SPURR, WILLIAM A. (Business Statistics).
STEGNER, WALLACE E. (English).
STEIN, CHARLES M. (Statistics).
STEINER, KURT (Political Science).
STONE, WILFRID HEALEY (English).
STROTHMANN, FRIEDRICH W. (German).
STURROCK, PETER ANDREW (Engineering Science and Applied Physics).
SUPPES, PATRICK C. (Philosophy).
VAN TAMELEN, EUGENE (Chemistry).
TARSHIS, LORIE (Economics).
TAUBE, HENRY (Chemistry).
TEICHROEW, DANIEL (Management, Graduate School of Business).
TERMAN, FREDERICK E. (Electrical Engineering).
THOMAS, LAWRENCE G. (Education).
THOMPSON, GEORGE A. (Geophysics).
THOMPSON, VICTOR K. (Architecture).
TROXELL, JOHN P. (Industrial Relations).
TURNER, ROBERT S. (Anatomy).
TUTTLE, DAVID FEARS, Jr. (Electrical Engineering).
TWITTY, VICTOR CHANDLER (Biology, Zoology).
VAN DYKE, MILTON D. (Aeronautical Engineering).
VENNARD, JOHN K. (Fluid Mechanics).
VILLARD, OSWALD G., Jr. (Electrical Engineering).
VINCENTI, WALTER GUIDO (Aeronautical Engineering).
VUCINICH, WAYNE S. (History).
WAGNER, HARVEY M. (Business Administration and Industrial Engineering).
WALKER, ROBERT A. (Political Science).
WALLIN, PAUL (Sociology).
WATERS, Colonel GEORGE F., Jr. (Naval Science).
WATKINS, JAMES T., 4th (Political Science).
WEIGLE, CLIFFORD (Journalism).
WERT, ROBERT J. (Education).
WHITAKER, VIRGIL K. (English).
WIGGINS, IRA L. (Biology and Natural History).
WILLIAMS, HARRY A. (Civil Engineering).
WILLIAMS, HOWARD RUSSELL (Law).
WINBIGLER, H. DONALD (Speech Education).
WINTERS, ARTHUR Y. (English).
WRIGHT, GORDON (History).
YANOVSKY, CHARLES (Biology).
YODER, DALE (Industries Relations).
YOUNG, DONOVAN H. (Engineering Mechanics).

STETSON UNIVERSITY

DE LAND, FLORIDA
Telephone: Re 4-4121

Established as De Land Academy 1883; chartered as De Land University 1887; name changed 1889; related to the Baptist Churches of Florida.

President: J. OLLIE EDMUNDS.
Business Manager: JOHN EDWIN JOHNS.
Registrar: BARBARA ROWE.
Librarian: BOB LEE MOWERY.

The libraries contain over 200,000 catalogued items.
Number of teachers: 122.
Number of students: 1,800.
Publications: *The Stetson University Bulletin, The Stetson Letter.*

DEANS:

Liberal Arts and Sciences: WM. HUGH MCENIRY, Jr.
Business: EDWARD C. FURLONG, Jr.
Law: HAROLD L. SEBRING.
Music: PAUL T. LANGSTON.
Summer Session: RAY V. SOWERS.
Dean of Students: GEORGE W. HOOD.
Women: ETTER M. TURNER.
Men: BILL BAGGETT.

In September 1954 the College of Law, established in 1901, was opened in St. Petersburg, Fla., Enrolment: 225.

SUFFOLK UNIVERSITY

20 DERNE STREET, BOSTON 14, MASSACHUSETTS
Telephone: Capitol 7-1040

Founded 1906

President: Dr. DENNIS C. HALEY.
Chancellor: Dr. ROBERT J. MUNCE.
Dean and Registrar of College Departments: Dr. DONALD W. GOODRICH.
Registrar of Suffolk Law School: CATHERINE T. JUDGE.
Librarian: RICHARD J. SULLIVAN.

Number of teachers: 108.
Number of students: 1,681.
Publication: *Suffolk Journal.*

DEANS:

College Departments: Dr. DONALD W. GOODRICH.
Colleges of Liberal Arts, Business Administration and Journalism: DONALD W. GOODRICH.
Law School: FREDERICK A. MCDERMOTT.
Asst. Dean in charge of Evening Div. and Dir. of Summer Sessions: Dr. JOSEPH H. STRAIN.

SYRACUSE UNIVERSITY

SYRACUSE 10, NEW YORK

Chartered as Syracuse University in 1870.

Chancellor: WILLIAM PEARSON TOLLEY, PH.D., LL.D., LITT.D.
Vice-President and Executive Assistant to the Chancellor: JOHN FREDERICK OLSON, PH.D.

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Vice-President: F. Gordon Smith, LL.D.
Vice-President and Dean of Public Affairs: Kenneth G. Bartlett, LL.D.
Vice-President for Academic Affairs and Dean of Faculties: Frank P. Piskor, PH.D.
Vice-President and Treasurer: Francis A. Wingate, PH.D.
Vice-President for Development: Newell W. Rossman.
Admissions: Lester H. Dye.
Registrar: Edwin D. Smith.
Librarian: Wayne Yenawine, PH.D.
Syracuse University Press: Richard G. Underwood.

The library contains 557,522 volumes.
Number of teachers: 1,078.
Number of students: 17,490.
Publications: *Symposium* (biannual on foreign languages and literature), *Syracuse Law Review* (quarterly).

Deans:

Men: Carlton L. Krathwohl, M.ED.
Women: Marjorie C. Smith, M.A.
Graduate: Frank P. Piskor (acting).
Engineering: Ralph A. Galbraith, PH.D.
Business Administration: William T. Jerome, III.
Maxwell Graduate School of Citizenship and Public Affairs Harlan Cleveland, LL.D.
Education: Virgil M. Rogers, ED.D.
Architecture: Kenneth Sargent, B.ARCH.
Art: Laurence Schmeckebier, PH.D. (*Director*).
Music: Kirk Ridge (acting).
Home Economics: Barbara P. Griggs.
Law: Ralph E. Kharas, J.S.D.
Journalism: Wesley C. Clark, PH.D.
Liberal Arts: Eric H. Faigle, PH.D.
Speech and Dramatic Art: Eric H. Faigle, PH.D.
Nursing: Gladys van Benschoten.
Library Science: Wayne Yenawine, PH.D.
University College: Alexander N. Charters, PH.D.
Utica College of Syracuse University: James Harrison.
State University College of Forestry at Syracuse University. Hardy L. Shirley, PH.D.
Summer Sessions: William M. Cruickshank, PH.D.

Professors:

Albrecht, George J. (Forestry Landscape Architecture).
Anderson, Eric A. (Forestry Wood Products Engineering).
Bachman, C. H. (Physics).
Bacon, Ernst (Music).
Bailey, Stephen K. (Political Science).
Barck, Oscar Theodore, Jr. (History)
Barrett, Jean (Nursing).
Barta, Andrew (Personnel and Industrial Relations).
Barzelay, Martin E. (Mechanical Engineering).
Beck, Dwight M. (Bible and Religion).
Bell, Earl H. (Sociology and Anthropology).
Bergmann, Peter G. (Physics).
Berry, Herbert W. (Physics).
Bird, George L. (Journalism).
Bishop, Donald G. (Political Science).
Blake, Nelson M. (History).
Boss, Willis R. (Zoology).
Bourquin, Anne (Foods and Nutrition).
Brennan, Paul J. (Civil Engineering).
Brown, Arthur W. (English).
Brown, Stuart Gerry (Citizenship).
Buck, Carson P. (Engineering Drawing).
Burkhead, Jesse (Economics).
Burton, Philip W. (Advertising).
Burtt, Benjamin P. (Chemistry).
Byrne, Col. Eugene W. (Air Science).
Charman, Montague (Art).
Cheng, David K. (Electrical Engineering).
Chung, Kai Lai (Mathematics).
Chute, Newton Earl (Geology).
Close, James A. (Finance).
Conaway, Orrin B. (Public Administration).
Conrad, Edwin (Law).
Cooper, Elizabeth (Mathematics).
Cope, Alfred Haines (*Asst. Dean, Utica College*).
Cover, Virgil D. (Transportation).
Cressey, George B. (Geography).
Crossman, Raymond F. (Forestry).
Dawson, Clayton L. (Slavic Languages).
Dence, Wilford A. (Forestry Zoology).
DiCarlo, Louis M. (Audiology and Speech Pathology)
DiVesta, Francis J. (Psychology and Education).
Donahue, J. Kenneth (Biology).
Donofrio, Carmin P. (Pulp and Paper Technology).
Duerr, William A. (Forestry Economics).
Edrei, Albert (Mathematics).
Elson, James H. (English).
Farnsworth, C. Eugene (Forestry Silviculture).
Fergusson, Donald A. (Finance).
Fleming, William (Fine Arts).
Frederickson, William R. (Physics).
Galpin, William F. (History).
Ganders, Harry S. (History and Philosophy of Education).
Gardner, Eric F. (Education).
George, Albert J. (Romance Languages).
Ginsburg, Nathan (Physics).
Glasford, Glenn M. (Electrical Engineering).
Glennon, Vincent J. (Education).
Goldman, Stanford (Electrical Engineering).
Graves, Paul F. (Forest Management).
Greenwald, Dakota U. (Industrial Engineering).
Grove, C. S., Jr. (Engineering Research).
Halverson, Paul M. (Education).
Haring, Douglas G. (Sociology and Anthropology).
Harlow, William M. (Wood Products Engineering).
Heiberg, Svend O. (Forestry Silviculture).
Hermans, Jan J. (Forestry Cellulose Research).
Hinrichs, A. Ford (Business Administration).
Hotchkiss, William P. (History).
Houwink, Eda (Social Work).
Hunnicut, Clarence W. (Education).
Hurley, Morris E. (Business Administration).
Jahn, Edwin C. (Forest Chemistry).
James, Preston E. (Geography).
Jamison, A. Leland (Religion).
Jennison, Marshall W. (Bacteriology and Botany).
Johnson, G. Orville (Special Education).
Jurkat, Wolfgang B. (Mathematics).
Kanda, Frank A. (Chemistry).
Kell, Walter G. (Accounting).
Ketcham, Earle H. (Political Science).
Kibbey, Donald E. (Mathematics).
King, Aden J. (Chemistry).
King, John A. (Mechanical Engineering).
King, Ralph T. (Forest Zoology).
Koretz, Robert F. (Law).
Kramer, Frederic J. (German).
Krasner, Louis (Music).
Kuhlen, Raymond G. (Psychology).
Kulski, Wladyslaw W. (Political Science).
Laidlaw, G. Norman (Romance Languages).
Laidlaw, Ralph (Art).
Lang, Cecil Y. (English).
Lawson, Eric W. (Finance).
LePage, Wilbur R. (Electrical Engineering).
Levinstein, Henry (Physics).
Li, W. H. (Civil Engineering).
Lindeman, Verlus F. (Zoology).
Lloyd, William J. (Law).
Longacre, Andrew (Engineering).
Lonsdale, Richard C. (Education).
Lorentz, George G. (Mathematics).
Luker, James A. (Chemical Engineering).
MacAndrews, Aubrey H. (Forest Entomology).
McKee, Harley J. (Architecture).
McKee, Roland C. (Psychology).
MacLaren, Malcolm (Classics).
Manwell, Reginald D. (Zoology).
Marshall, Mary H. (English).
Martin, Roscoe C. (Political Science).
Marty, Frederick N. (Student Health Services).
Meadows, Paul (Sociology and Anthropology).
Meech, Sanford B. (English).
Melinat, Carl H. (Library Science).
Menut, Albert D. (Romance Languages).
Merrill, William M. (Geology).

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MILLER, ROBERT W. (Law).
MORRISON, JOHN L. (Forest Botany).
MULFINGER, GEORGE (Music).
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NEMEROW, NELSON L. (Civil Engineering).
NOLAN, CARROLL A. (Business Education).
NOREM, BERT H. (Industrial Engineering).
O'GERAN, GRAEME (Foreign Management).
O'NEIL, FREDERIC W. (Forestry Pulp and Paper Technology).
OWEN, DAVID H. (English).
PACE, ANTONIO (Romance Languages).
PACE, C. ROBERT (Psychology).
PALMER, EDWARD E. (Citizenship).
PARRATT, SPENCER D. (Political Science).
PHILLIPS, ARTHUR W. (Biological and Food Research).
PIPER, RAYMOND F. (Philosophy).
PLUMLEY, LUCIAN P. (Forest Director, Ranger School).
POISTER, ARTHUR (Music).
POLLOCK, MERLIN F. (Art).
PRICE, ROY A. (Social Science).
PULOS, ARTHUR J. (Industrial Design).
RANBY, BENGT G. (Director, Empire State Paper Research Institute).
RANDALL, RUTH H. (Art).
REEDER, WILLIAM O. (Business Administration).
REZA, FAZLOLLAH M. (Electrical Engineering).
RIDGE, KIRK (Music).
ROOT, ROBERT W. (Journalism).
ROTUNNO, N. A. (Landscape Architecture).
RUOFF, PAUL M. (Chemistry).
SACHS, GEORGE (Director, Metallugrical Laboratory).
SAMMI, JOHN C. (Forest Management).
SCHUERCH, CONRAD, Jr. (Forest Chemistry).
SEARS, BRADFORD G. (Forest Landscape Architecture).
SEDGWICK, PAUL J. (Bacteriology and Botany).
SHAFER, ROBERT J. (History).
SHAW, JOHN H. (Physical Education).
SHELDON, WILLIAM D. (Reading Education).
SHEPARD, WARREN V. (English).
SIBLEY, KATHARINE (Physical Education).
SIEGFRIED, LAURANCE B. (Journalism).
SIMMONS, HARWOOD (Music).
SIMPSON, JEAN I. (Foods and Nutrition).
SMITH, EDWARD A. (Business Law).
SPENCER, CLAYTON (Chemistry).
STANNETT, VIVIAN T. (Forest Chemistry).
STEELE, PAUL J. (Physics).
STERN, GEORGE G. (Psychology).
STRUTHERS, PARKE H. (Zoology).
SUFRIN, SIDNEY C. (Economics).
SUKOENIG, SIDNEY (Music).
SURANYI-UNGER, THEO (Economics).
SUTTON, WALTER E. (English).
SWALM, RALPH O. (Industrial Engineering).
SWERDLOW, IRVING (Economics).
SZWARC, MICHAEL(Forest Chemistry).
TERHUNE, ALFRED MCKINLEY (English).
THOMPSON, JOHN H. (Geography).
TONG, KIN H. (Mechanical Engineering).
TRISCHKA, JOHN W. (Physics).
UNGER, RALPH G. (Forestry).
VEINUS, ABRAHAM (Fine Arts).
VERHULST, LUCILLE H. (Physical Education).
WACHSMANN, HERBERT (Career Studies).
WALSH, WARREN B. (Russian Studies).
WATSON, RALPH M. (Mechanical Engineering).
WESSELS, O. RICHARD (Office Administration).
WESTCOTT, JAY B. (Political Science).
WILCOX, HUGH E. (Forest Botany).
WILLIAMS, MILTON HOWARD (Philosophy).
WIRTH, HENRY E. (Chemistry).
WOLSELEY, RONALD E. (Journalism).
WULFF, VERGER J. (Zoology).
WYCKOFF, D. CAMPBELL (Religion).
ZABEL, ROBERT A. (Forest Botany).
ZELERMYER, WILLIAM (Business Law).

AFFILIATED INSTITUTION:

Centre of Hispanic Studies, f. 1945.

The Centre co-operates closely with the faculties of Geography and History.

Advisory Committee: Dr. ALBERT D. MENUT (Chair.), Dr. ALBERT J. GEORGE (*ex officio*), Dr FREDERICK H. JACKSON, Dr. OTTO H. OLVIERA, Dr. DEAN W. MCPHEETERS.

Secretary: Dr. HOMERO SERIS.

TEMPLE UNIVERSITY

PHILADELPHIA 22, PENNSYLVANIA

Founded 1884

President: MILLARD E. GLADFELTER, PH.D., D.SC. IN ED., LL.D., L.H.D.
Vice-President for Academic Affairs: PAUL R. ANDERSON, B.A., PH.D., LL.D., L.H.D., LITT.D.
Vice-President for Health Sciences: LEROY E. BURNEY, B.S., M.D., M.P.H.
Vice-President for Financial Affairs and Treasurer: STERLING K. ATKINSON, B.SC., M.A., PH.D., C.P.A. (Pa.).
Vice-President for General Administration: JOHN M. RHOADS, B.S., M.B.A., L.H.D., D.SC.
Vice-President: WILLIAM W. TOMLINSON, A.B., L.H.D., LL.D.
Vice-President and Secretary: WILLIAM G. WILLIS.
Comptroller: HARRY H. PITTS, B.SC.
Director of Admissions: C. KIRK GREER, B.A., M.A.
Librarian: WARREN OWENS, B.A., M.A., A.M.L.S.

The library contains 400,876 volumes.
Number of teachers: 1,309.
Number of students (including all divisions): 20,695.

DEANS:

College of Education: PAUL W. EBERMAN, B.S., M.A., PH.D.
College of Liberal Arts: RHOTEN A. SMITH, A.B., M.A., PH.D.
School of Business and Public Administration: CHARLES E. GILLILAND, Jr., B.S., M.S.B.A., PH.D.
Community College: WILLIAM A. SCHRAG, B.S., M.B.A., D.C.S.
School of Fine Arts: CHARLES E. LECLAIR, B.S., M.S.
School of Law: BENJAMIN F. BOYER, A.B., LL.B., LL.M., LL.D.
School of Medicine: ROBERT M. BUCHER, M.D., M.SC.(Med.), F.A.C.S.
School of Dentistry: GERALD D. TIMMONS, PH.G., D.D.S., D.SC., LL.D., F.A.C.D.
School of Pharmacy: JOSEPH B. SPROWLS, PH.C., B.S., M.S., PH.D.

Dean of the Graduate School: GEORGE H. HUGANIR, Jr., A.B., M.A., PH.D.
Dean of Men: CARL M. GRIP, Jr., PH.D.
Dean of Women: LUCILE SCHEUER, A.B., M.A.

UNIVERSITY OF TENNESSEE

KNOXVILLE, TENNESSEE

Chartered 1794 as Blount College. Name changed by the legislature 1840 to East Tennessee University, and in 1879 to The University of Tennessee. Colleges at Martin, Nashville and Memphis.

President: ANDREW DAVID HOLT, A.B., M.S., LL.D., M.D.
Dean of Admissions: A. TRUEMAN POUNCEY, A.B., A.M., PH.D.
Treasurer: JAMES JACKSON WALKER, B.S.
Librarian: WILLIAM H. JESSE, A.B., B.S., A.M.

Number of teachers: 1,660.
Number of students: Knoxville, Memphis, Martin and Nashville: 20,670.

Publications: *The University Record*, Extension Series (four to six times a year), *News Letter* (monthly, except May, June, July and December).

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DEANS:

Graduate School: HILTON A. SMITH.
Students: RALPH EMERSON DUNFORD, A.M., PH.D.
Women: MARGARET LOUISE CUNNINGGIM, A.B., A.M., ED.D.
Admissions and Records: A. TRUEMAN POUNCEY.
College of Agriculture—Units: DR. WEBSTER PENDERGRASS, B.S.A., M.S., D.P.A.
Teaching Division: NEAL D. PEACOCK, M.S.A., PH.D. (*Vice-Dean*).
College of Business Administration: FRANK B. WARD, A.M., PH.D.
College of Medicine: M. K. CALLISON.
College of Dentistry: SHAILER PETERSON.
College of Education: EDWIN C. MERRILL, Jr.
College of Engineering: ARMOUR TOWNSEND GRANGER, B.S. IN C.E.
College of Home Economics: LURA M. ODLAND.
College of Law: HAROLD C. WARNER, PH.B., J.D.
College of Liberal Arts: ALVIN H. NIELSEN, A.B., M.S., PH.D.
College of Pharmacy: S. D. FEURT.
School of Biological Sciences: ROLAND H. ALDEN.
University Extension: JAMES ELISHA ARNOLD, A.M., ED.D.
Martin Branch: PAUL MEEK, B.S.A., M.S.
Memphis Branch: HOMER F. MARSH (*Vice-President*).
School of Social Work: SUE N. SPENCER, A.B., M.S. (*Director*).
School of Basic Medical Sciences: R. H. ALDEN, A.B., PH.D.
College of Nursing: RUTH N. MURRY, B.S., G.N., A.M.

THE UNIVERSITY OF TEXAS

AUSTIN 12, TEXAS

Telephone: Greenwood 1-3434

Founded 1881. Opened 1883. Medical Branch, Galveston, opened 1891; Texas Western College, El Paso 1919; Dental Branch, Houston, 1943; M. D. Anderson Hospital and Tumor Institute, Houston, 1944; Postgraduate School of Medicine, Houston, 1948; Southwestern Medical School, Dallas, 1949.

Chancellor: HARRY HUNTT RANSOM, PH.D., LITT.D., LL.D.
Vice-Chancellors: JAMES CLAY DOLLEY, PH.D., LAWRENCE DE FEE HASKEW, PH.D., FRANKLIN LANIER COX, LL.B., NORMAN HACKERMAN, PH.D.
Dean of Students: GLENN E. BARNETT, ED.D.
Business Manager: JAMES H. COLVIN.
Registrar: W. BYRON SHIPP, B.S.
Librarian: ALEXANDER MOFFIT, B.S., M.S.IN.L.S.
Texas Memorial Museum: WILLIAM W. NEWCOMB, Jr., PH.D. (*Director*).

Library: *see* Libraries.

Number of teachers: 1,995.

Number of students: 17,350 men, 7,643 women, total 24,993.

Publications: *Texas Quarterly, Graduate Journal, U.T. Record.*

DEANS:

College of Arts and Sciences: JOHN ALTON BURDINE, PH.D.
College of Business Administration: JOHN ARCH WHITE, PH.D.
College of Education: CLYDE C. COLVERT, PH.D.
College of Engineering: JOHN J. MCKETTA, Jr., PH.D.
College of Fine Arts: E. WILLIAM DOTY, PH.D., B.MUS.
College of Pharmacy: LEE F. WORRELL, PH.D.
Graduate School: W. GORDON WHALEY, PH.D.
School of Law: W. PAGE KEETON, S.J.D.
Graduate School of Library Science: ROBERT RAYMOND DOUGLASS, PH.D. (*Director*).
Graduate School of Social Work: LORA LEE PEDERSON, M.A., M.S. IN S.W. (*Director*).
School of Architecture: PHILIP D. CREER, B.ARCH. (*Director*).
Extension Division: J. R. D. EDDY, M.S.
Medical Branch: JOHN B. TRUSLOW, M.D. (*Executive Director*).
Dental Branch: JOHN V. OLSON, D.D.S., M.S., F.A.C.D.
Southwestern Medical School: A. J. GILL, M.D.
Texas Western College: JOSEPH M. RAY, PH.D.
Postgraduate School: GRANT TAYLOR, M.D.
M.D. Anderson Hospital: R. LEE CLARK, Jr., M.D. (*Director*).

PROFESSORS:

College of Arts and Sciences:

ADAMS, RICHARD N., PH.D. (Anthropology).
ALEXOPOULOS, C. JOHN, PH.D. (Botany).
ANDERSON, R. C., PH.D. (Chemistry).
ANDERSSON, THEODOER, PH.D. (Romance Languages).
ARNAKIS, GEORGE G., PH.D. (History).
ARROWSMITH, WILLIAM, PH.D. (Classical Languages).
ATWOOD, E. B., PH.D., LITT.D. (English).
AYRES, CLARENCE EDWIN, PH.D. (Economics).
AYRES, GILBERT H., PH.D. (Chemistry).
BAILEY, EDWARD WELDON, B.A., S.J.D. (Law).
BARNES, VIRGIL E., PH.D. (Geology).
BELKNAP, IVAN C., PH.D. (Sociology).
BELL, W. C., PH.D. (Geology).
BENNETT, J. HARRY, PH.D. (History).
BIESELE, JOHN J., PH.D. (Zoology).
BLAIR, W. FRANK, PH.D. (Zoology).
BLAKE, ROBERT R., PH.D. (Psychology).
BLODGETT, HUGH CARLTON, PH.D. (Psychology).
BOATRIGHT, MODY C., PH.D. (English).
BOLD, HAROLD C., PH.D. (Botany).
BONER, CHARLES PAUL, PH.D. (Physics).
BOWMAN, HENRY A., PH.D. (Sociology).
BRAND, DONALD D., PH.D. (Geography).
BRELAND, OSMOND P., PH.D. (Zoology).
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BROOM, LEONARD, PH.D. (Sociology).
BROWN, HERBERT EVANS (Military Science).
BROWN, WALTER V., PH.D. (Botany).
BROWN, W. LYNN, PH.D. (Psychology).
BULLARD, FRED MASON, PH.D. (Geology).
BURDINE, JOHN ALTON, PH.D. (Government).
CAMPBELL, T. N., PH.D. (Anthropology).
CARROLL, HORACE BAILEY, PH.D. (History).
CASTANEDA, ALFRED, PH.D. (Psychology).
CLABAUGH, STEPHEN EDMUND, PH.D. (Geology).
CLEVELAND, CLARK MILTON, PH.D., B.S. (Mathematics).
CLINE, C. L., PH.D. (English).
CRAIG, HOMER VINCENT, PH.D. (Mathematics).
CRANFILL, THOMAS M., PH.D. (English).
CROW, MARTIN M., PH.D. (English).
DALLENBACH, KARL M., PH.D. (Psychology).
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CARTER, W. J., PH.D. (Mechanical Engineering).
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DUESTERHOEFT, W. C., PH.D. (Electrical Engineering).
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FERGUSON, P. M., M.S. IN C.E. (Civil Engineering).
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GAFFORD, B. N., M.S. IN E.E. (Electrical Engineering).
GATLIN, C., PH.D. (Petroleum Engineering).
GLOYNA, E. F., D.ENG. (Civil Engineering).
JESSEN, F. W., PH.D. (Petroleum Engineering).
LAGRONE, A. H., PH.D. (Electrical Engineering).
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MCFARLAND, J. D., M.S. IN E.E. (Electrical Engineering).
MCKETTA, J. J., Jr., PH.D. (Chemical Engineering).
MOORE, W. L., PH.D. (Civil Engineering).
PIRSON, S. J., D.SC. (Petroleum Engineering).
RASE, H. F., PH.D. (Chemical Engineering).
RIPPERGER, E. A., PH.D. (Engineering Mechanics).
SCHECHTER, R. S., PH.D. (Chemical Engineering).
SHORT, B. E., PH.D. (Mechanical Engineering).
SMITH, H. W., PH.D. (Electrical Engineering).
STEINFINK, H., PH.D. (Chemical Engineering).
STRAITON, A. W., PH.D. (Electrical Engineering).
THOMPSON, J. N., M.S. IN C.E. (Civil Engineering).
TOPRAC, A. A., PH.D. (Civil Engineering).
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VOLTERRA, E. G., PH.D. (Engineering Mechanics).
WEISS, E. J., PH.D. (Chemical Engineering).
WOOLRICH, W. R., B.S. IN E.E., M.E. (Mechanical Engineering).
YAUN, SHAO-WEN, PH.D. (Aero-Space Engineering).

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ELSASS, J. F., PH.D. (Music).
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KENNAN, K. W., B.MUS. (Music).
LESTER, W. L. (Art).
MCGAUGHEY, J., M.MUS. (Music).
MOZLEY, L. N. (Art).
OBERDOERFER, F., PH.D. (Music).
PAYNE, B. I. (Drama).
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SPRUCE, E. (Art).
TOWNSLEY, F. C.)Music).
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VALASEK, E. (Music).
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ARNIM, SUMTER S., PH.D., D.D.S. (Pathology).
BECK, HEINZ O., D.D.S. (Restorative Dentistry).
BEERSTECHER, ERNEST, Jr., PH.D. (Biological Chemistry).
BIRATH, ELNA T., M.B.A. (Practice Relations and Management).
BRADEL, SIGMUND F., D.D.S. (Roentgenology).
BROWN, DONOVAN W., D.D.S. (Diagnosis).
BROWNING, HENRY C., PH.D. (Anatomy).
BURKHART, JAMES W., D.D.S. (Restorative Dentistry).
CATTONI, MARTIN, B.S., D.D.S., M.S.D., SC.D. (Medicine).
D'ANTON, ERBERT W., D.D.S. (Physics, Dental Materials).
DERRICK, WILLIAM S., M.D. (Surgery).
HINDS, EDWARD C., D.D.S., M.D. (Surgery).
HOFF, HEBBEL E., PH.D., M.D. (Physiology).
JENNINGS, RICHARD E., D.D.S., M.S.D. (Preventive Dentistry).
LEVY, BARNET M., A.B., D.D.S., M.S. (Pathology).
LYON, DOUGLAS M., D.D.S., F.A.C.P. (Restorative Dentistry).
NOLTE, WILLIAM A., PH.D. (Microbiology).
OLSON, JOHN V., D.D.S., F.A.C.D. (Restorative Dentistry).
ROUT, JAMES L., D.D.S. (Anatomy).
SANDERS, CHARLES B., M.D., F.A.C.P. (Pathology).
SMITH, EDWIN L., PH.D. (Physiology).
TULLAR, PAUL E., A.B., PH.D. (Physiology).
WESTFALL, ALBERT P., D.D.S. (Orthodontics).

Southwestern Medical School:

ASHWORTH CHARLES T., M.D. (Pathology).
BONTE, FREDERICK J., M.D. (Radiology).
BROOKSALER, FRED S., M.D. (Pediatrics).
BURR, WILLIAM W., Jr., M.S., PH.D. (Biochemistry).
CHAPMAN, CARLETON B., M.D., M.P.H. (Internal Medicine).
CHAPMAN, JOHN S., M.D. (Internal Medicine).
FASHENA, GLADYS J., M.D. (Pediatrics).
GILL, ATTICUS J., M.D. (Pathology).
GOTH, ANDRES, M.D. (Pharmacology).
GREGORY, CHARLES F., M.D. (Orthopædic Surgery).
GROLLMAN, ARTHUR, M.D., PH.D. (Experimental Medicine).
HARRISON, FRANK, M.D. (Anatomy).
JENKINS, MARION T., M.D. (Anæsthesiology).
KNOPP, IRWIN JAY, M.D. (Psychiatry).
LACKEY, ROBERT W., PH.D. (Physiology).
LE MAISTRE, CHARLES A., M.D. (Internal Medicine).
MASON, MORTON F., PH.D. (Forensic Medicine and Toxicology).
MONTGOMERY, PHILIP O'B., M.D. (Pathology).
PIKE, ROBERT M.. PH.D. (Microbiology).
PRITCHARD, JACK A., M.D. (Obstetrics and Gynæcology).
SELDIN, DONALD W., M.D. (Internal Medicine).
SHIRES, GEORGE THOMAS, M.D. (Surgery).
STEMBRIDGE, VERSIE A., M.D. (Pathology).
STUBBLEFIELD, ROBERT L., M.D. (Psychiatry).
SULKIN, S. EDWARD, PH.D. (Microbiology).
TIDWELL, HERBERT C., PH.D. (Biochemistry).
VANATTA, JOHN C., III, M.D. (Physiology).
WATERS, LEWIS B., PH.G., P.D. (Medical Art).
WIGGANS, DONALD S., B.S., PH.D. (Biochemistry).
ZIFF, MORRIS, M.D., PH.D. (Internal Medicine).

TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY SYSTEM

COLLEGE STATION, TEXAS

Founded 1963

Chancellor: M. T. HARRINGTON.
Vice-Chancellor for Fiscal Affairs: W. C. FREEMAN.
Vice-Chancellor for Development: JOHN C. CALHOUN.

The system covers four senior colleges: Texas Agricultural and Mechanical University, College Station; Arlington State College, Arlington; Tarleton State College, Stephenville; and Prairie View Agricultural and Mechanical College, Prairie View (see also p. 1279).

DEANS:

Dean of Instruction: W. J. GRAFF, PH.D.
College of Engineering: FRED J. BENSON, M.S.
College of Agriculture: R. E. PATTERSON, PH.D.
College of Veterinary Medicine: ALVIN A. PRICE, M.S., D.V.M.
Graduate College: WAYNE C. HALL, PH.D.
College of Arts and Sciences: FRANK W. R. HUBERT, PH.D.
Texas Maritime Academy: BENNETT M. DODSON, B.S.
Students: JAMES P. HANNIGAN, B.S.

TEXAS AGRICULTURAL AND MECHANICAL UNIVERSITY

Founded 1876 University 1963

President: EARL RUDDER, B.S., LL.D.
Director of Admissions and Registrar: H. L. HEATON, M.S.
Librarian: ROBERT A. HOUZE, B.S., B.L.S.

Number of teachers: 701, including 195 professors.
Number of students: 8,142.

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TEXAS CHRISTIAN UNIVERSITY

FORT WORTH 29, TEXAS

Telephone: Walnut 4-4241

Founded 1873

Chancellor and Chief Administrative Officer: McGRUDER E. SADLER, M.A., PH.D., D.D., D.LITT., LL.D.
Vice-Chancellor for Fiscal Affairs: L. C. WHITE, B.S., C.P.A.
Vice-Chancellor for Academic Affairs: JAMES M. MOUDY, B.D., PH.D.
Vice-Chancellor for Student Life: LAURENCE C. SMITH, B.A., M.A., PH.D.
Vice-Chancellor for External Affairs: EARL WALDROP.
Vice-Chancellor and President of T.C.U. Research Foundation: W. O. MILLIGAN.
Registrar: CALVIN A. CUMBIE, B.S., M.ED., M.A.
Librarian: CLAUD G. SPARKS, B.S., M.A., M.L.S.

Number of teachers: 486.
Number of students: 9,014.
Publications: *Bulletins.*

DEANS:

Brite College of the Bible: ELMER D. HENSON, B.A., D.D.
Graduate School: J. M. MOUDY, B.D., PH.D.
Associate Dean: SANDY A. WALL, B.S., M.A., PH.D.
Harris College of Nursing: LUCY HARRIS, B.S., M.ED., R.N.
Evening College: WARREN K. AGEE, B.A., M.A., PH.D.
College of Arts and Sciences: JEROME A. MOORE, M.A., PH.D.
School of Business: IKE H. HARRISON, M.B.A., ED.D.
School of Education: OTTO R. NIELSEN, B.D., M.A., PH.D.
School of Fine Arts: FRANK C. HUGHES, B.F.A., MUS.ED., M.MUS., PH.D.

NORTH TEXAS STATE UNIVERSITY

DENTON, TEXAS

Founded 1890

President: JAMES CARL MATTHEWS, PH.D.
Vice-President: JAMES JOSIAH SPURLOCK, PH.D.
Registrar: ALEX DICKIE, ED.D.
Director of Admissions: JOHN E. TOMPKINS, M.A.
Director of Placements: EVERETT HANKS FARRINGTON, M.A.
Librarian: DAVID AIKEN WEBB, A.M.L.S.

The library contains 435,000 volumes.
Number of teachers: 373 (full-time), 180 (part-time).
Number of students: 9,930.

DEANS:

Men: WILLIAM G. WOODS, M.A.
Women: IMOGENE BENTLEY DICKEY, PH.D.

TEXAS SOUTHERN UNIVERSITY

HOUSTON 4, TEXAS

Founded 1947.

President: S. M. NABRIT, B.S., M.S., PH.D.
Registrar: WILLIAM H. BELL, A.B., M.A.
Librarian: HUBERT E. DAVIS, B.A., M.A., M.A.L.S.

Number of teachers: 176.
Number of students: 3,900.

DEANS:

College of Arts and Sciences: H. H. HARTSHORN, B.S., M.A., PH.D.
School of Law: KENNETH S. TOLLETT.
School of Pharmacy: EDWARD J. EUGERE, B.S., M.S., PH.D.
School of Business: MILTON WILSON, B.S., M.C.S., D.C.S.
School of Vocational and Industrial Education: B. A. TURNER, B.S., M.ED., ED.D.
Graduate School: JOSEPH A. PIERCE, A.B., M.S., PH.D.
Men: JAMES B. JONES, B.S., M.E.D., ED.D.
Women: INA BOLTON-BROWN, A.B., M.A., ED.D.

TEXAS WOMAN'S UNIVERSITY

DENTON, TEXAS

Founded 1901.

President: JOHN A. QUINN.
Registrar: FRANCIS W. EMERSON.
Librarian: IVAN L. SCHULZE.

The library contains 170,000 volumes.
Number of teachers: 160.
Number of students: 2,616.
Publication: *Daedalian* (quarterly).

DEANS:

College: JAMES NEWCOMER.
Arts and Sciences: AUTREY N. WILEY.
Education: ELLIS B. PAGE.
Fine Arts: KENNETH B. LOOMIS.
Health: ANNE S. DUGGAN.
Home Science: PAULINE B. MACK.
Occupational Therapy: RUTH WHIPPLE.
Library Science: D. G. DIXON.
Nursing: FAYE PANNELL.
Graduate: JAMES NEWCOMER.
Summer Session: FRANCIS W. EMERSON.

THE UNIVERSITY OF TOLEDO

TOLEDO 6, OHIO

Telephone: JEfferson 1-1451

Founded 1872 as Toledo University of Arts and Trades; became Municipal University 1884.

President: WILLIAM S. CARLSON, PH.D., LL.D., D.SC.
Comptroller and Treasurer: JAMES D. BAIN, B.C.S.
Provost: JESSE R. LONG, M.A., ED.D.
Secretary to the Board of Directors: LOUISE KOLACZ.
Registrar: ALINA MARKOWSKI, B.A., BUS.AD.
Librarian: MARY M. GILLHAM, B.A., LIB.SCI., M.A.

The library contains 259,467 bound volumes.
Number of teachers: 251 full-time, 170 part-time.
Number of students: 6,227 men, 2,501 women, total 8,728.
Publication: *Bulletin* (monthly).

DEANS:

College of Arts and Sciences: JEROME W. KLOUCEK, PH.D.
College of Business Administration: EDWIN R. HODGE, Jr., D.B.A.
College of Education: GEORGE E. DICKSON, ED.D.
College of Engineering: OTTO F. ZMESKAL, SC.D.
College of Law: KARL KRASTIN, J.S.D.
College of Pharmacy: CHARLES W. LARWOOD, PH.D.
Women: M. KATHRYN SCHWAB, M.A.
Dean of Students: DONALD S. PARKS, M.B.A.
Adult and Continuing Education: RALPH CHARLES KENDALL, ED.D.
Research: ARCHIE N. SOLBERG, PH.D.
Graduate School: ARCHIE N. SOLBERG, PH.D.
University Community and Technical College: NEWTON C. ROCHTE, PH.D.

DIRECTORS:

Personnel and Dean of Studies: DONALD S. PARKS, M.B.A.
Summer Sessions: CHAS. J. KIRSCHNER, M.A.
Admissions and Records: RICHARD R. PERRY.
Counselling and Testing: ROBERT HOPKINS, ED.D.

TRINITY UNIVERSITY

715 STADIUM DRIVE, SAN ANTONIO, TEXAS 78212

Telephone: Pershing 6-4141

Founded 1869

Chancellor: Dr. JAMES W. LAURIE.
President: Dr. LEONARD DUCE.

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Registrar: L. B. HIGGINS.
Librarian: JAMES F. GOVAN.

Number of teachers: 125, including 32 professors.
Number of students: 1,750.
Publications: *Trinitonian, Mirage.*

DEANS:

Dean of the University: Dr. BRUCE THOMAS.
Dean of the Graduate School: Dr. LEONARD A. DUCE.
Dean of Engineering and Physical Sciences: Dr. ROBERT V. ANDREWS.

PROFESSORS:

ANDREWS, ROBERT V. (Engineering and Physical Science).
BUCHANAN, JAMES J. (Classics).
BURROWS, CHARLES N. (Sociology).
BUSCH, PAUL R. (Journalism).
CARNES, JESS G. (History).
CARP, FRANCES M. (Psychology).
CLARK, HAROLD F. (Economics).
DAVIS, H. T. (Mathematics).
DE BOE, CORNELIUS M. (Philosophy).
DE COURSEY, ELBERT (Biology).
DRESSLER, RUSSELL G. (Chemistry).
DUCE, LEONARD A. (Philosophy).
ERLANDSON, RAY S. (Business Administration).
HENDRICKS, FRANCES K. (History).
KITCHELL, EUNICE (Economics).
KUYKENDALL, DEAN W. (Education).
LAY, CHESTER F. (Business Administration).
MCGAVOCK, WILLIAM C. (Chemistry).
MARSHALL, WILLIAM EDGAR (Political Science).
MORRISON, MARJORIE LEE (English).
NARCISO, JOHN C. (Psychology).
RANSON, GUY H. (Religion).
RAUSCH, OSCAR P. (Education).
REAMER, OWEN JORDAN (English).
SCHWAB, PAUL JOSIAH (Religion).
SEAGLE, JOHN D. (Music).
SERGEANT, TOM P. (Biology).
THOMAS, BRUCE (English).
UHRICH, JACOB (Biology).
ULLRICH, FELIX (Education).
WOODS, JARRETT E. (Business Education).

TUFTS UNIVERSITY
MEDFORD 55, MASSACHUSETTS

Chartered 1852.

President: NILS Y. WESSELL, PH.D., SC.ED.D., L.H.D., LL.D., JUR.D., LITT.D.
Vice-President and Provost: LEONARD C. MEAD, PH.D.
Vice-President for Development: FRANK A. TREDINNICK, JR., A.M.
Vice-President and Comptroller: C. RUSSELL DE BURLO, JR., D.B.A.
Vice-President for Medical and Dental Affairs: GEORGE A. WOLF, JR., M.D.
Treasurer: NATHAN D. BUGBEE, B.A., M.C.S.
Recorder: JAMES R. STRAWBRIDGE, ED.M.
Librarian: JOSEPH S. KOMIDAR, B.S.L.S., M.A.

The library contains 318,695 volumes.

Number of students: 2,945 men, 1,641 women, total 4,586.

Publications: *Tufts Alumni Review, Tufts Medical Alumni Bulletin.*

DEANS:

Dentistry (Boston): LOUIS J. P. CALISTI, D.D.S.
Engineering: ASHLEY SAWYER CAMPBELL, SC.D.
Graduate: PAUL HARRY FLINT, PH.D.
Liberal Arts: CHARLES EDWARD STEARNS, PH.D.
Dean of Men: ALVIN RAYMOND SCHMIDT, JR., A.B.
Medicine (Boston): JOSEPH M. HAYMAN, JR., M.D.
Theological: BENJAMIN BUTLER HERSEY, D.D.
Fletcher School of Law and Diplomacy (f. 1933): ROBERT B. STEWART, PH.D.
Jackson College for Women (f. 1910): MYRA L. HERRICK, ED.D.
Special Studies: RICHARD A. KELLEY, ED.M.
Summer School: JAMES R. STRAWBRIDGE, ED.M. (*Director*).

PROFESSORS:

AITKEN, ALEXANDER P., M.D. (Orthopædic Surgery).
ARLANSON, HARRY, M.ED. (Physical Education).
ASHTON, EUGENE S., TH.D. (Biblical Literature).
ASTWOOD, EDWIN B., B.S., C.M., M.D., PH.D. (Medicine).
BAKER, HENRY, B.S., M.D. (Medicine).
BALCH, MARSTON S., PH.D. (Oratory and Drama).
BARNES, WILLIAM B., D.IUR. (Latin American Affairs).
BARNET, SYLVAN, PH.D. (English Literature).
BARR, JOHN H., B.SC.DENT., D.D.S. (Radiology).
BARTLETT, RUHL J., PH.D. (Diplomatic History).
BATTEAU, DWIGHT WAYNE, S.D. (Mechanical Engineering).
BATY, JAMES M., A.B., M.D. (Pediatrics).
BERLIN, DAVID D., M.D. (Clinical Surgery).
BIGURIA, FERNANDO, A.B., B.S., M.D. (Medicine).
BIRK, NEWMAN B., M.A. (English).
BROWN, L. WALTER, JR., D.M.D. (Dentistry).
BULL, STEPHEN D., JR., Col. U.S.A.F. (Air Science).
BURCH, GEORGE B., PH.D. (Philosophy).
BURKE, WILLIAM E., D.M.D. (Operative Dentistry).
CALLOW, ALLAN D., M.D., PH.D. (Surgery).
CAMPBELL, ASHLEY S., S.M., D.SC. (Mechanical Engineering).
CANZANELLI, ATTILIO, B.S., M.D. (Physiology).
CARPENTER, RUSSELL LE G., PH.D. (Zoology).
CHALMERS, THOMAS C., M.D. (Medicine).
CLARKSON, JAMES A., PH.D. (Mathematics).
COLE, ALLAN B., PH.D. (East Asian Affairs).
CROOK, DOROTHEA J., PH.D. (Psychology).
DALE, PETER P., D.M.D. (Operative Dentistry).
DAMESHEK, WILLIAM, M.D. (Medicine).
DETERLING, RALPH A., JR., M.D. (Otolaryngology).
DOLEMAN, PAUL H., PH.D. (Chemistry).
EASTON, MAHLON T., M.D. (Ophthalmology).
EDDY, ROBERT D., PH.D. (Chemistry).
ELLIS, FREDRICK M., ED.M. (Physical Education).
ETSTEN, BENJAMIN, A.B., M.D. (Surgery-Anæsthesia).
ETTINGER, ALICE, M.D. (Radiology).
FAXON, HENRY H., M.D. (Surgery).
FISCHER, JOSEPH J., M.D. (Clinical Otolaryngology).
FISHMAN, WILLIAM H., B.SC., PH.D. (Biochemistry and Nutrition).
FLINT, PAUL H., PH.D. (English).
FRIEDKIN, MORRIS E., PH.D. (Pharmacology).
FULTON, DAWSON G., M.S., PH.D. (Mathematics).
GIBB, THOMAS R. P., JR., PH.D. (Chemistry).
GIBSON, COUNT D., JR., M.D. (Preventive Medicine).
GIFFORD, GEORGE H., PH.D. (Modern Languages).
GLASS, ROBERT L., D.M.D. (Oral Diagnosis).
GLICKMAN, IRVING, B.S., D.M.D., F.A.C.D. (Oral Pathology and Periodontology).
GREENBERG, ORRIN, D.D.S. (Dentistry).
GREENBLATT, MILTON, M.D. (Psychiatry).
GREENWOOD, FRED L., PH.D. (Organic Chemistry).
GROSS, LEO, S.J.D., DR.RER.POL. (International Law).
HAHN, MYRON J., JR., M.D. (Clinical Urology).
HALM, GEORGE N., DR.OEC.PUBL. (Economics; International Economic Relations).
HAMMOND, GEORGE H., M.S. (Electrical Engineering).
HAYMAN, JOSEPH M., JR., M.D. (Medicine).
HEATH, CLARK W., M.D. (Hygiene).
HERSEY, BENJAMIN B., D.D. (Ministerial Practice).
HILL, P. H., S.M. (Engineering Graphics).
HOLZMAN, F. D., PH.D. (Economics).
HOPE, JUSTIN M., B.S., M.D. (Psychiatry).
HOWELL, ALVIN H., SC.D. (Electrical Engineering).
HUGHES, WALTER L., PH.D. (Physiology).
HUMPHREY, DON D., PH.D. (International Economics).
IMLAH, ALBERT H., SC.D. (History: Diplomatic History).
JACOBS, MAX H., D.M.D. (Oral Surgery).
JOHNSON, VAN LORAN, PH.D. (Latin).
KINDLEBERGER, CHARLES P., PH.D. (International Economic Relations).
KNIPP, JULIAN K., PH.D. (Physics).
KOROWICZ, MAREK S., IUR.DR. (International Law and Organisation).
KVARACEUS, WILLIAM CLEMENT, ED.D. (Education).

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LEAVITT, ERNEST E., B.S. IN M.E. (Mechanical Engineering).
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SHIERE, FREDERIC R., A.B., M.S., D.D.S. (Oral Pediatrics).
SHKLAR, GERALD, D.D.S. (Oral Pathology).
SHULMAN, MARSHALL D., PH.D. (International Politics).
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SULLIVAN, JOHN F., M.D. (Neurology).
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THOMAS. JACKSON M., S.B., M.D. (Psychiatry).
TREFETHEN, LLOYD M., PH.D. (Mechanical Engineering).
ULLMAN, ALBERT D., PH.D. (Sociology).
WEINSTEIN, LOUIS, M.D. (Medicine).
WESSELL, NILS Y., PH.D., SC.ED.D., L.H.D., LL.D. (Psychology).
WHEELER, RALPH E., A.B., M.D., DR.P.H. (Bacteriology and Public Health).
WILLIAMS, PHILIP, D.M.D. (Postgraduate Prosthetics).
WILSON, M. KENT, PH.D. (Chemistry).
YURKSTAS, A. ALBERT, D.M.D. (Complete Dental Prosthesis).
ZOELLER, RAPHAEL A., Capt. U.S.A. (Naval Science).

TULANE UNIVERSITY OF LOUISIANA

NEW ORLEANS, LOUISIANA, 70118

Medical College of Louisiana, chartered 1834. The State Constitution of 1845 ordained that a university be established in New Orleans and that the Medical College of Louisiana, as then organised, should constitute the Faculty of Medicine. In 1884 the name was changed to The Tulane University of Louisiana.

President: HERBERT EUGENE LONGENECKER, PH.D., D.SC., LL.D.
Provost: MAXWELL E. LAPHAM, M.D.
Vice-Presidents: CLARENCE SCHEPS, PH.D., JOSEPH CHANDLER, PH.D., FRED Y. CAGLE, PH.D.
Secretary and Treasurer: A. PERCY GENERES.
Director of Admissions: CLIFF W. WING, PH.D.
Director of Registration and Records: ENDICOTT A. BATCHELDER.
Dean of Students: JOHN HENRY STIBBS, PH.D.

Library: *see* Libraries.
Number of teachers: 1,538.
Number of students (1962-63:) 7,109.

Middle American Research Institute

Established 1924 as Department of Middle American Research (Mexico, Central America, West Indies, and the Bahamas) in anthropology, sociology, archæology, history, geography and political science.

Director: ROBERT WAUCHOPE, PH.D.

Institute of Comparative Law

Established 1949.

Director: FERDINAND FAIRFAX STONE, M.A., B.C.L., J.S.D.

DEANS AND DIRECTORS:

College of Arts and Sciences: WILLIAM W. PEERY, PH.D.
Newcomb College for Women: JOHN RANDOLPH HUBBARD, M.A., PH.D.
School of Business Administration: CHARLES J. GRAYSON, Jr., D.B.A.
School of Engineering: LEE HARNIE JOHNSON, M.A., S.M., SC.D.
School of Architecture: JOHN WILLIAM LAWRENCE, M.S. (ARCH.).
School of Law: CECIL MORGAN, LL.B.
Graduate School: JOHN L. SNELL, Jr., PH.D.
School of Medicine: CHARLES C. SPRAGUE, M.D.
Associate Dean and Director, Division of Graduate Medicine: WALTER G. UNGLAUB, M.D.
Division of Hygiene and Tropical Medicine: JOHN C. S. PATERSON, M.D.
School of Social Work: WALTER LEWIS KINDELSPERGER.
Summer School: THOMAS THERON EARLE, PH.D. (*Director*).
University College: JOHN PERCY DYER, PH.D.

PROFESSORS:

ADAMS, RICHARD P., PH.D. (English).
ADRIANI, JOHN, B.A.. M.D. (Anæsthesiology).
ALFORD, ROBERTA MURRAY, A.B., (Art History).
ALLDREDGE, RUFUS HENRY, M.D., D.SC. (MED.), (Clinical Orthopædics).
ALLEN, JAMES H., M.D., M.S. (Ophthalmology).
ANÉ, JOSEPH NOVELL, B.S., M.D. (Radiology).
ARCHINARD, JOHN JOSEPH, Jr., B.S., M.D. (Clinical Medicine).
ARROWSMITH, WILLIAM R., B.S., M.D. (Clinical Medicine).
BACH, L. MATTHEW N., PH.D. (Physiology).
BAILEY, RAYMOND VICTOR, PH.D. (Chemical Engineering).
BAILKEY, NELS MARTIN, PH.D. (History).
BAILLIF, RALPH NORMAN, PH.D. (Anatomy).
BALLARD, EDWARD GOODWIN, PH.D. (Philosophy).
BEACHAM, WOODARD DAVIS, B.A., B.S., M.D. (Clinical Obstetrics and Gynæcology).
BEAVER, PAUL CHESTER, M.S., PH.D. (Tropical Diseases and Parasitology).
BECKJORD, PHILIP R., B.S., M.B., M.D., D.P.H. (Public Health Administration).
BENSON, LAWRENCE K., LL.B. (Law).
BILODEAU, EDWARD ALFRED, PH.D. (Psychology).
BINKLEY, WILLIAM CAMPBELL, PH.D. (History).
BLESSEY, WALTER EMANUEL, C.E. (Civil Engineering).
BOLES, WILLIAM MCDONALD, M.D. (Clinical Ophthalmology).
BOLLE, LOUIS F., D.LITT. (French).
BOYCE, FREDERICK FITZHERBERT, B.S., M.D. (Clinical Surgery).
BROWN, SAMUEL WOOD, A.B., LL.B., J.S.D. (Civil Law).
BROWN, WILLIAM BURLIE, PH.D. (History).
BURCH, GEORGE E., B.S., M.D. (Medicine).
BURKS, JAMES W., Jr., M.D., M.S. (Clinical Dermatology).
BURNS, EDGAR, M.D. (Clinical Urology).
BURNS, KENNETH F., PH.D. (Veterinary Medicine).
CAGLE, FRED RAY, PH.D. (Zoology).

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CAMPAGNA, MAURICE, M.D. (Clinical Medicine).
CAPERS, GERALD M., Jr., PH.D. (History).
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CHASE, GILBERT C., B.A. (Music) (visiting).
CHRISTIAN, MILDRED G., PH.D. (English).
CLARK, WALLACE HENDERSON, Jr., B.S., M.D. (Pathology).
CLARK, WILLIAM BURTON, M.D. (Ophthalmology).
CLAVERIE, LOUIS B., A.B., LL.B. (Law).
CLIFFORD, ALFRED H., PH.D. (Mathematics).
COLLET, GEORGES-PAUL, DR. ÈS LETTRES (French).
COLLINS, CONRAD GREEN, M.D., M.S., F.A.C.S. (Obstetrics and Gynæcology).
COLLINS, JASON H., M.D., B.S. (Obstetrics and Gynæcology).
CONRAD, PAUL F., PH.D. (Mathematics).
COPELAND, DONALD EUGENE, PH.D. (Zoology).
COUNTISS, EUGENE HENDRIX, B.S., M.D. (Clinical Obstetrics and Gynæcology).
CRANDALL, LATHAN A., Jr. (Clinical Psychiatry).
CREECH, OSCAR, Jr., B.S., M.D. (Surgery).
CRONVICH, JAMES A., M.S., S.M. (Biophysics and Electrical Engineering).
CRUMPLER, THOMAS BIGELOW, PH.D. (Chemistry).
DEENER, DAVID RUSSELL, PH.D. (Political Science).
DELAUREAL, BONI JAMES, M.D. (Clinical Medicine).
DERBES, VINCENT JOSEPH DEPAUL, M.D. (Dermatology).
DUNLAP, CHARLES EDWARD, A.B., M.D. (Pathology).
DYER, ISADORE, B.S., M.D., F.A.C.S. (Obstetrics).
DYER, JOHN PERCY, PH.D. (History).
EARLE, THOMAS THERON, B.S., PH.D. (Botany).
ECHOLS, DEAN HOLLAND, PH.B., M.D. (Clinical Neurosurgery).
EDMONSON, MUNRO STERLING, PH.D. (Anthropology).
EGGLER, WILLIS ALEXANDER, PH.D. (Botany).
EWAN, JOSEPH ANDORFER, A.B. (Botany).
FAGLEY, THOMAS FISHER, PH.D. (Chemistry).
FEIBLEMAN, JAMES KERN (Philosophy) (Graduate Prof.).
FOGLE, RICHARD H., PH.D. (English).
FORRESTER, WILLIAM RAY, A.B., J.D. (Law).
FRANKLIN, MITCHELL, A.B., LL.B., S.J.D. (Law).
FUEG, Lt.-Col. JOHN WILLIAM, B.A. (Military Science).
GARCIA, MANUEL, M.D. (Clinical Radiology).
GICOVATE, BERNARD, PH.D. (Spanish).
GOLDSMITH, GRACE ARABELL, M.S., M.D. (Medicine).
GOLDSTEIN, HARRIS K., D.S.W. (Social Work).
GRIFFITH, WILLIAM JOYCE, PH.D. (History).
GROBEN, MARGARET LOUISE, PH.D. (German).
GRULEE, CLIFFORD GROSSELLE, Jr., B.A., B.M., M.D. (Pediatrics).
HACK, MARVIN H., PH.D. (Medicine).
HALLEY, DONALD MACDOUGALL, A.M. (Finance and Administration).
HAMBURG, CARL HEINZ, PH.D. (Philosophy).
HAMPTON, JOHN K., Jr., PH.D. (Physiology).
HANSEN, PETER SIJER, M.M., PH.D. (Music).
HEATH, ROBERT G., B.S., D.M.SC., M.D. (Psychiatry and Neurology).
HENDRICKSON, GEORGE WINDSOR, B.A., M.F.A. (Speech and Dramatic Art).
HOGAN, WILLIAM R., PH.D. (History).
HOWARD, LAURENCE V., PH.D. (Political Science).
HOWERTON, DOROTHY K., PH.D. (Social Work).
HRUBECKY, HENRY F., PH.D. (Mechanical Engineering).
HUBBARD, JOHN RANDOLPH, M.A., PH.D. (History).
HUBERT, LEON DAYRIES, Jr., B.A., LL.B. (Law).
HUSBAND, JOHN DILLON, PH.D. (English).
IRION, ARTHUR LLOYD, M.A., PH.D. (Psychology).
JACOBS, SYDNEY, M.D. (Clinical Medicine).
JAMES, FRANCIS GODWIN, PH.D. (History).
JOHNSON, CHAPMAN GORDON, M.D. (Clinical Obstetrics and Gynæcology).
JOHNSON, HAMILTON MCKEE (Geology and Geophysics).
JOHNSON, LEE H., S.M., SC.D. (Civil Engineering.
JONASSEN, HANS BOEGH, M.S., PH.D. (Chemistry).
JORDAN, THOMAS E., ED.D. (Education).
KASTLER, ARTHUR ORDWAY, PH.D. (Biochemistry).
KELLER, FRANK LEUER, PH.D. (Resources).
KINDELSPERGER, WALTER L., M.D. (Social Welfare Policy).
KING, ARDEN ROSS, PH.D. (Anthropology).
KITTREDGE, WILLOUGHBY E., Jr., B.S., M.D. (Clinical Urology).
KREMENTZ, EDWARD THOMAS, B.A., M.D. (Surgery).
KUYPERS, JOHN, A.B. (Music).
LAGUAITE, JEANETTE K., PH.D. (Speech Pathology).
LANG, SAMUEL, LL.B. (Law).
LAPHAM, MAXWELL EDWARD, M.D., F.A.C.S. (Obstetrics).
LA VIOLETTE, FORREST E., PH.D. (Sociology and Anthropology).
LAWRENCE, JOHN WILLIAM, M.S. (ARCH.) (Architecture).
LAWSON, EDWIN HUGH, B.S., M.D. (Clinical Medicine).
LEE, HAROLD NEWTON, PH.D. (Philosophy).
LEMANN, BERNARD, B.ARCH., PH.D. (Architecture).
LENNOX, ROBERT H., M.D. (Pediatrics).
LEWIS, MARY E., M.A. (Public Welfare Administration).
LEWIS, ROBERT F., PH.D. (Biostatistics).
LIEF, HAROLD ISAIAH, A.B., M.D. (Psychiatry).
LIPPMAN, MONROE, PH.D. (Theatre and Speech).
LLEWELLYN, RAEBURN CARSON, A.B., M.D. (Neuro-surgery).
MCCLEAN, LEE D., M.D. (Clinical Dermatology).
MACDONALD, FRANK WHITMORE, S.B., C.E., D.P.H. (Civil Engineering and Public Health).
MCLAURIN, JAMES W., M.D. (Otolaryngology).
MCPEEK, GWYNN SPENCER, B.S., M.M., PH.D. (Music).
MANN, ARTHUR S., M.D. (Clinical Medicine).
MASON, HENRY L., PH.D. (Political Science).
MATTHEWS, EDWARD DE SAUNHAC, B.S., M.D. (Clinical Medicine).
MAYER, JOHN KING, M.E. (Mechanical Engineering).
MAYERSON, HYMEN SAMUEL, PH.D. (Physiology).
MEYER, GEORGE WILBUR, PH.D. (English).
MILLER, JAMES ALBERT, Jr., PH.D. (Anatomy).
MILLER, OSCAR NEAL, PH.D. (Biochemistry and Medicine).
MOGABGAB, WILLIAM J., M.D. (Medicine).
MORPHOS, PANOS PAUL, M.A., PH.D. (French).
MORRIS, HARRY DUNLAP, B.S., M.D. (Clinical Orthopædics).
MORRIS, JOSEPH CHANDLER, PH.D. (Physics).
MORRISSEY, JOHN J., A.M. (Music).
MORROW, CLARENCE J., LL.B., J.S.D. (Law).
MOSTERT, PAUL S., PH.D. (Mathematics).
NADLER, SAMUEL BERNARD, PH.D., M.D. (Clinical Medicine).
NEWELL, KENNETH WYETT, M.B., CH.B., D.P.H. (Epidemiology) (visiting).
NICE, CHARLES MONROE, Jr., M.D., PH.D. (Radiology).
OAKES, FORREST EDWARD (Physical Education).
OPPENHEIM, LEONARD, M.A., LL.B., M.C.L., S.J.D. (Law).
O'ROURKE, JOHN BERNARD, Jr., Lt.-Col., U.S.A.F. (Air Science).
OWENS, ARTHUR NEAL, B.S., M.D. (Clinical and Plastic Surgery).
PATERSON, JOHN C. S., M.B., CH.B., M.R.C.P. (Prevention of Tropical and Semi-Tropical Diseases, Hygiene).
PEACOCK, CHARLES L., PH.D. (Physics).
PEERY, WILLIAM W., PH.D. (English).
PENICK, RAWLEY M., Jr., PH.D., M.D. (Clinical Surgery).
PENN, GEORGE HENRY, PH.D. (Zoology).
PIERCE, WILLIAM A., Jr., PH.D. (Microbiology).
PLATOU, RALPH VICTOR, M.S., M.D. (Pediatrics).
POSTELL, WILLIAM DOSITE, M.S., B.S. in L.S. (Medical Bibliography).
REED, FRANCIS SANTRY, A.B., M.B.A. (Marketing).
REGENOS, GRAYDON WENDELL, PH.D. (Classical Languages).
REISSMAN, LEONARD, PH.D. (Sociology).
RIBNER, IRVING, PH.D. (English).
ROBBINS, ISIDORE LEON, M.D. (Clinical Medicine).
ROLAND, CHARLES PIERCE, PH.D. (History).
ROSE, SYLVAN MERYL, PH.D. (Anatomy).
ROTTY, RALPH MCGEE, B.S.(E.E.), M.S.(M.E.), M.S.(MET.), PH.D., Mechanical Engineering).
SCHALES, OTTO, B.S., D.SC. (Biochemistry).
SCHALLER, HOWARD GRAHAM, PH.D. (Economics).
SCHEPS, CLARENCE, M.S., PH.D. (Accounting).
SCHLEGEL, JORGEN ULRIK, M.D., PH.D. (Urology).
SCHMITT, HANS A., PH.D. (History).
SCHUELER, FRED W., PH.D. (Pharmacology).
SCHULHOFER, EDITH, M.S., LL.D. (Social Work).
SEAGO, DOROTHY WILSON, PH.D. (Psychology).
SHAFFER, MORRIS F., PH.D. (Microbiology).
SHAW, WILLIAM WESLEY, PH.D. (Political Science).
SILVERT, KALMAN HIRSCH, PH.D. (Political Science).
SIMMONS, GEORGE EVANS, B.J., A.M. (Journalism).
SKINNER, HUBERT C., PH.D. (Geology).
SMITH, MARGARET H. D., M.D. (Pediatrics and Epidemiology).
SNELL, JOHN L., PH.D. (History).
SOGIN, HAROLD N., PH.D. (Mechanical Engineering).
SPRAGUE, CHARLES CAMERON, B.B.A., B.S., M.D. (Medicine).
STERNBERG, WILLIAM HOWARD, B.A., M.D. (Pathology).
STIBBS, JOHN H., PH.D. (English).
STONE, FERDINAND FAIRFAX, M.A., B.A., B.C.L., J.S.D. (Law).
STORCK, AMBROSE H., M.D., M.S. (Clinical Surgery).
STRUPPECK, JULIUS, B.F.A., M.A. (Art).

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STUTKUS, ROYAL D., PH.D. (Zoology).
SWEENEY, JAMES W. (Industrial Management).
TABB, HAROLD GRANBERRY, B.S. (Otolaryngology).
TATRO, CLEMENT A., PH.D. (Mechanical Engineering).
TAYLOR, ALINE MACKENZIE, PH.D. (English).
TAYLOR, FRANCES MCBRYDE, PH.D. (Chemical Engineering).
TAYLOR, PAUL CANADAY, M.S., PH.D., C.P.A. (Accounting).
TRIVIGNO, PAT, B.S., M.A. (Art).
TSAI, LOH SENG, PH.D. (Psychology).
TURNER, ROY HOPE, B.SC., M.D. (Medicine).
TYRONE, CURTIS H., M.D. (Gynæcology).
VINCENT, RICHARD WILTZ, B.S., M.D. (Clinical Plastic Surgery).
VOKES, HAROLD E., PH.D. (Geology).
VOLPE, ERMINID PETER, PH.D. (Zoology).
VON LANGERMANN, GEORGIANA J., M.D. (Medicine).
VOORHIES, NORTON W., M.D. (Clinical Medicine).
WAECHTER, ARTHUR J., LL.B. (Law).
WAGNER, WILLIAM ALFRED, M.D. (Clinical Otolaryngology).
WALLACE, ALEXANDER D., PH.D. (Mathematics).
WAUCHOPE, ROBERT, PH.D. (Anthropology).
WEED, JOHN C., M.D., M.S. (Clinical Obstetrics and Gynæcology).
WEISSMAN, IRVING, M.A., M.S.W. (Social Work).
WENDEL, WILLIAM BEAN, PH.D. (Biochemistry).
WHITE, ALAN GEORGE CASTLE, B.S., M.D., PH.D. (Biochemistry).
WICKSTROM, JACK KENNETH, B.A., M.D. (Orthopædics).
WILLIAMS, THOMAS E., Col. U.S.M.C., M.A. (Naval Science).
WIRTH, WILLARD RALPH, B.S., M.D. (Clinical Medicine).
WISDOM, JOHN MINOR, A.B., LL.B. (Law).
WISSNER, HOWARD K., PH.D. (Economics and Industrial Relations).
WOODS, WILLIAM SLEDGE, M.A., PH.D. (French).
WRIGHT, FRED B., PH.D. (Mathematics).
YOUNG, GAIL SELLERS, PH.D. (Mathematics).
ZARDOYA, MARÍA CONCEPCIÓN, PH.D. (Spanish).
ZISKIND, MORTON M., M.D. (Medicine).

UNIVERSITY OF TULSA
TULSA 4, OKLAHOMA

Founded as Henry Kendall College at Muskogee (Indian territory under control of Presbyterian Church) 1894; moved to Tulsa 1907; reorganised and name changed to University of Tulsa 1920; Charter revised, making the institution non-denominational and non-sectarian 1928.

President: BEN G. HENNEKE.
Registrar: GEORGE V. METZEL.

Number of teachers: 207.
Number of students: 4,982.

DEANS:

Liberal Arts: DONALD E. HAYDEN.
Business Administration: M. M. HARGROVE.
Evening Division: H. RODMAN JONES.
Music: ROBERT L. BRIGGS.
Graduate: W. V. HOLLOWAY.
Law: BRUCE PETERSON.
Petroleum Engineering: SCOTT WALKER.
Dean of Students: HARRY N. CARTER.

UNION COLLEGE AND UNIVERSITY
SCHENECTADY 8, NEW YORK

Founded 1795; oldest non-denominational college in U.S. The University includes Albany Medical College (1839), Albany Law School (1851) and Albany College of Pharmacy (1881).

President and Chancellor of the University: CARTER DAVIDSON, PH.D., LL.D.
Dean: C. WILLIAM HUNTLEY, PH.D.
Treasurer: LOUIS D. MILTIMORE.
Business Manager: THEODORE R. MCILWAINE, A.B., B.S.
Librarian: EDWIN K. TOLAN, B.A., M.A., PH.D., B.L.S.

Number of teachers: 110, University 325.
Number of students: 1,200 men (full-time); total enrolment (University) 2,700.

Publications: *Catalogue, Concordiensis* (weekly newspaper), *Alumni News* (monthly), *Garnet* (Junior Year Book), *Idol* (student literary magazine), *Union College Symposium* (College quarterly).

DEANS:

Law: ANDREW V. CLEMENTS, LL.D.
Pharmacy: FRANCIS J. O'BRIEN, PH.C., A.M., PH.D.
Medicine: HAROLD C. WIGGERS, PH.D., D.SC.

PROFESSORS:

ABBOTT, LAWRENCE, A.B., M.A., PH.D. (Economics).
ALLEN, NEAL W., Jr., A.B., M.A., PH.D. (History).
AVERY, HAROLD GARDNER, B.SC., PH.D. (Economics).
BACON, EGBERT K., M.S., PH.D. (Chemistry).
BAKER, D. KENNETH, B.S.C., PH.D. (Physics).
BIBBER, HAROLD WHITNEY, B.S. (Electrical Engineering).
BLODGETT, HAROLD WILLIAM, M.A., PH.D. (English).
BRADBURY, JOHN MASON, M.A., PH.D. (Art).
BRISTOL, WILLIAM B., A.B., M.A., PH.D. (History).
BRONNER, FREDERICK LIDELL, B.S., M.A., PH.D. (History).
BUTZEL, HENRY, PH.D. (Biochemical Genetics).
CAMPBELL, DOUGLAS WHITNEY, M.A., PH.D. (Government).
CLARK, LEONARD BERTRAND, B.SC., M.A., PH.D. (Biology).
CRAIG, EDWARD J., B.S. IN E.E., M.S. IN E.E. (Electrical Engineering).
CURTIS, N. EDGAR, B.MUS., M.A. (Music).
FARRELL, ORIN J., M.A., PH.D. (Mathematics).
FINKELSTEIN, JOSEPH, PH.D. (History).
FOX, AUGUSTUS H., M.A., PH.D. (Mathematics).
FOX, SHERWOOD D., A.B., M.A., PH.D. (Sociology).
GILLETTE, EDWIN F., PH.D. (Mathematics).
GOBLE, A. B., PH.D. (Physics).
GOODHEART, CLARENCE FRANCIS (Electrical Engineering).
GRAVES, CLARE WRAY, M.A., PH.D. (Psychology).
HAINEBACH, HANS, PH.D. (German and French).
HARLOW, HENRY G., M.S. (Civil Engineering).
HEMENWAY, CURTIS L., A.B., M.S., PH.D. (Physics).
HISLOP, CODMAN, M.A., PH.D. (American Civilisation).
HOADLEY, ANTHONY DE HOTHLEGH, M.S. (Civil Engineering).
HOFFMAN, THOMAS RIPTON, M.S. (Electrical Engineering).
HUNTLEY, CHARLES WILLIAM, M.A., PH.D. (Psychology).
IWANIK, JOHN, A.B., M.A., PH.D. (Spanish and Russian).
JOHNSON, NORMAN BURROWS, M.A., PH.D. (Religion).
KETCHUM, GARDNER MASON, S.M., SC.D. (Mechanical Engineering).
KETZ, WILFORD HERMAN, A.B., LL.B. (Physical Education).
KLEMM, FREDERICK A., M.A., PH.D. (German).
LAWRENCE, ARTHUR C., B.P.E. (Physical Education).
LIGON, ERNEST MAYFIELD, M.A., B.D., PH.D. (Psychology).
LOWEN .WALTER, B.M.E., M.S. (Heat Engineering).
MADDAUS, INGO, Jr., PH.D. (Mathematics).
MALE, CHARLES THOMAS, Jr., B.S. IN PH., M.S., PH.D. (Civil Engineering).
MARTIN, MILES, B.S., PH.D. (Physics).
MARTIN, WILLIAM B., PH.D. (Chemistry).
MODREY, JOSEPH, B.S. IN M.E., M.M.E. (Mechanical Engineering).
MURPHY, WILLIAM M., A.B., M.A., PH.D. (English).
NIEMEYER, CARL ANTHONY, PH.D. (English).
NORDLANDER, BIRGER W., C.E., M.S. (Chemistry).
PANLILIO, FILADELFO, PH.D. (Mechanical Engineering).
PEARCE, CLIFFORD M., PH.B., M.A., PH.D. (Psychology).
PETERSON, SVEN R., B.S., M.A., PH.D. (Philosophy).
PORTER, JERMAIN DOTY, PH.D. (Chemistry).
RAPPAPORT, RAYMOND, Jr., B.S., M.S., PH.D. (Biology).
REED, GEORGE H., B.S., M.S., PH.D. (Chemistry).
RIEDEL, JAMES A., A.B., M.S., PH.D. (Government).
ROBERTS, ALAN, A.B., M.A., PH.D. (French and Spanish).
RUSS, RICHARD B., M.E.E. (Electrical Engineering).
SCHWARZ, WINIFRED MAX, PH.D. (Physics).
SHEFFER, HOWARD E., B.S., M.S., PH.D. (Chemistry).
STANLEY, PHILIP, M.A. (Philosophy).
STONE, WILLIAM C., B.A., M.S., PH.D. (Mathematics).
SWARTZ, CHARLES D., PH.D. (Physics).
TOLAN, EDWIN K., B.A., M.A., PH.D., B.L.S. (Philosophy).
WAINGER, BERTAND M., M.A., PH.D. (American Civilisation).
WAY, HAROLD E., M.S., PH.D. (Physics).
WEAVER, MYRON M., PH.D., M.D. (Health).
WEEKS, DANIEL R., M.A. (English).
WHITAKER, BENJAMIN PALMER, M.A., PH.D., L.H.D. (Economics).
WILLIAMS, CLINTON E., B.S. (Engineering).
WINNE, WILLIAM T., M.A., PH.D. (Biology).

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UNIVERSITY OF UTAH
SALT LAKE CITY 1, UTAH

Incorporated 1850 as University of Deseret; chartered 1892 as University of Utah.

President: A. Ray Olpin.
Vice-Presidents: Jack H. Adamson, ph.d. (Academic), Paul W. Hodson, m.b.a. (Business).
Assistant to President: J. Boyer Jarvis, ph.d.
Treasurer: George S. Eccles.
Secretary, Board of Regents: Rulon L. Bradley, ph.d.
Comptroller: Gordon S. Miller, b.s., c.p.a.
Registrar: Joseph A. Norton.
Librarian: Ralph N. Thomson, m.s. (acting).

Number of teachers: 1,490.
Number of students: 11,568.

Deans:

College of Letters and Science: Ray U. Canning (acting).
Associate Dean and Director of General Education: Sydney W. Angleman, ph.d.
College of Law: Samuel D. Thurman, ll.b.
Graduate School of Social Work: Rex A. Skidmore, ph.d.
College of Engineering: Samuel S. Kistler, ph.d.
College of Business: Clyde N. Randall, ph.d.
Graduate School: Henry Eyring, ph.d.
College of Mines and Mineral Industries: Armand J. Eardley, ph.d.
College of Medicine: Kenneth B. Castleton, m.d., ph.d.
College of Pharmacy: L. David Hiner, ph.d.
College of Nursing: Mildred D. Quinn, m.s.
College of Fine Arts: Lowell M. Durham, ph.d.
College of Education: Asahel D. Woodruff.
Students: Neal A. Maxwell, m.s.
Women: Virginia P. Frobes, ph.d.
Extension Division and Summer School: Harold W. Bentley, ph.d.

Professors:

Abravanel, Maurice (Music).
Anderson, Robert, ph.d. (Anthropology).
Angleman, Sydney W., ph.d. (English).
Atiya, Aziz S., ph.d. (Languages).
Athay, R. Grant, ph.d. (Physics).
Austin, Myrtle, m.a. (English).
Bailey, Neil P., m.s. (Mechanical Engineering).
Bailey, Roger, b.arch. (Architecture).
Baker, Ralph D., ph.d. (Mechanical Engineering).
Bane, Laverne C., ed.d. (Speech).
Barton, Donald K., ph.d. (Languages).
Beard, George Victor, ph.d. (Mechanical Engineering).
Behle, William H., ph.d. (Zoology and Entomology).
Beier, Ernst G., ph.d. (Psychology).
Bentley, Harold W., ph.d. (English).
Bernhard, Richard C., ph.d. (Economics).
Biesele, F. C., ph.d. (Mathematics).
Bliss, Robert L., b.arch. (Architecture).
Bodenheimer, Edgar, ll.b. (Law).
Borg, Grant K., m.s. (Civil Engineering).
Bown, M. Duane, ph.d. (Psychology).
Branch, C. H. Hardin, m.d. (Psychiatry).
Brumbaugh, W. Donald, ed.d. (Educational Administration).
Burdette, Walter, ph.d., m.d. (Surgery).
Cagle, Frederick W., ph.d. (Chemistry).
Calder, Grant H., d.b.a. (Management).
Callis, Helmut G., ph.d. (History).
Cannon, Anthon S., ph.d. (Sociology and Social Work).
Carnes, William H., m.d. (Pathology).
Cartwright, George E., m.d. (Medicine).
Castleton, Kenneth B., m.d. (Surgery).
Chamberlin, Richard E., ph.d. (Mathematics).
Chapman, Edward F., ph.d. (English).
Christensen, C. J., ph.d. (Ceramics).
Christensen, Willam F. (Ballet).
Christensen, William R., m.d. (Radiology).
Christiansen, E. B., ph.d. (Chemical Engineering).
Christiansen, Francis W., ph.d. (Geology).
Condie, Richard P., a.b. (Music).
Cone, John H., e.m. (Mining Engineering).
Cook, Kenneth L., ph.d. (Geophysics).
Cook, Melvin A., ph.d. (Metallurgical Engineering).
Crabtree, Robert A., ph.d. (English).
Crampton, C. Gregory, ph.d. (History).
Crawley, S. L., ph.d. (Psychology).
Cutler, Ivan B., ph.d. (Ceramic Engineering).
Dalgliesh, W Harold, ph.d. (History).
De la casa, Enrique C., ph.d. (Languages).
Demars, E. Theodore, ph.d. (Educational Administration).
Dibble, Charles, ph.d. (Anthropology).
Dibble, George S., m.a. (Art).
Dierman, Frederick G., b.s. (Naval Science).
Doran, Ray L., ph.d. (Physics).
Dougherty, Thomas F., ph.d. (Anatomy).
Durham, Lowell M., ph.d. (Music).
Durrant, Stephen D., ph.d. (Zoology and Entomology).
Dykstra, Daniel J., s.j.d. (Law).
Eardley, Armand J., ph.d. (Geology).
Edmunds, George F., Jr., ph.d. (Zoology).
Edwards, William F., m.s. (Banking and Finance).
Emery, Alfred C., ll.b. (Law).
Engar, Keith M., ph.d. (Speech).
Evans, Frederick R., ph.d. (Zoology and Entomology).
Eyring, Henry, ph.d. (Chemistry).
Eyzaguirre, Carlos, m.d. (Physiology).
Facer, Elden J., ph.d. (Banking and Finance).
Fairbanks, Avard T., ph.d. (Sculpture).
Faust, Augustus F., ph.d. (Education).
Fawley, Paul C., ed.d. (Educational Administration).
Flowers, Seville, ph.d. (Botany).
Folland, Harold F., ph.d. (English).
Forrest, C. Dorsey, ph.d. (Marketing).
Fowles, Grant R., ph.d. (Physics).
Frost, Henry H., Jr., ph.d. (Sociology).
Fuller, George A., ph.d. (Economics).
Gardner, Jack, m.s. (Athletics).
Garff, Royal L., ph.d. (Speech).
Gaufin, Arden R., ph.d. (Zoology).
Gebhardt, Louis P., ph.d., m.d. (Bacteriology).
Geerlings, Jacob, ph.d. (Languages and History).
Ghiselin, Brewster, m.a. (English).
Gibbs, Peter, ph.d. (Physics).
Gittins, Alvin L., b.a. (Art and Sculpture).
Goates, Wallace A., ph.d. (Speech).
Goodman, Louis S., m.d. (Pharmacology).
Greaves, Halbert S., ph.d. (Speech).
Grundmann, Albert W., ph.d. (Zoology and Entomology).
Hales, J. Vern, ph.d. (Meteorology).
Hanks, J. Whitney, ph.d. (Economics).
Hansen, Paul J., ph.d. (Education).
Harris, L. Dale, ph.d. (Electrical Engineering).
Hawkes, H. Bowman, ph.d. (Geography).
Haycock, Obed C., m.s.e.e. (Electrical Engineering).
Hayes, Elizabeth R., ed.d. (Health, Physical Education).
Hecht, Hans H., m.d. (Medicine).
Hess, Odean L., ph.d. (Education).
Hewitt, William P., ph.d. (Geology).
Hill, George R., ph.d. (Fuel Technology).
Hiner, L. David, ph.d. (Pharmacognosy).
Horton, Walter J., ph.d. (Chemistry).
Hunt, Carlton C., m.d. (Physiology).
Hunter, O. N., ed.d. (Health, P.E. and Recreation).
Jennings, Jesse D., ph.d. (Anthropology).
Jensen, A. Ladru, j.d. (Law).
Jex, Frank B., ph.d. (Educational Psychology).
Johnson, Arlo F., ph.d. (Mechanical Engineering).
Johnson, Arthur H., ph.d. (Accounting).
Johnson, Fred C., b.s. (Air Science).
Jonas, Frank H., ph.d. (Political Science).
Jones, Daniel J., ph.d. (Geology).
Jones, Russell S., m.d. (Pathology).
Kaiser, Irwin H., ph.d. (Obstetrics and Gynæcology).
Kao, Shih-Kung, ph.d. (Meteorology).
Keuffel, Jack W., ph.d. (Physics).
Kistler, Samuel S., ph.d. (Chemical Engineering).
Kreutzer, Richard B., b.s. (Military Science).
Lahey, Marion E., m.d. (Pediatrics).
Lees, C. Lowell, ph.d. (Speech).
Lindstrom, Peter A., m.d. (Surgery).
Lucki, Emil, ph.d. (History).
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McLaughlin, Samuel, Jr., ph.d. (Education).
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Macquin, Hazelle B., m.a. (Nursing).
Malm, Lloyd E., ph.d. (Chemistry).
Marcus, Stanley, ph.d. (Bacteriology).
Matthews, Milton P., ph.d. (Marketing).
Mecham, Merlin J., ph.d. (Speech).
Merrill, Reed M., ph.d. (Educational Psychology).
Miller, David E., ph.d. (History).
Moss, Bernice R., ed.d. (Health, Physical Education and Recreation).
Nabers, Lawrence, ph.d. (Economics). [neering).
Nackowski, Matthew P., ph.d. (Mining and Geological Engi-
Neilson, N. P., ph.d. (Health, Physical Education and Recreation).
Nemir, Alma, m.d. (Health, Physical Education and Recreation).
Newby, William W., ph.d. (Biology).
Nutting, William C., ed.d. (Education).
O'Dea, Thomas F., ph.d. (Sociology).
Parmley, Thomas J., ph.d. (Physics).
Pettit, Lynne A., ph.d. (Home Economics).
Plaut, Gerhard W. E., ph.d. (Biochemistry).
Plummer, Gail, m.a. (Speech).
Porter, Paul B., ph.d. (Psychology).
Provost, Leo G., ed.d. (Secondary Education).
Quinn, Mildred D., ph.n. (Nursing).
Randall, Clyde N., ph.d. (Business Administration).
Rasmussen, Jewell J., ph.d. (Economics).
Read, Waldemer P., ph.d. (Philosophy).
Rees, Don M., ph.d. (Biology).
Rich, S. Grover, Jr., ph.d. (Political Science).
Richardson, Reed C., ph.d. (Economics).
Rizza, Salvo, b.s. (Military Science).
Robertson, Leroy J., ph.d. (Music).
Robertson, Wanda, ed.d. (Elementary Education).
Russon, Allien R., ed.d. (Office Administration).
Ryan, Norman W., sc.d. (Chemical Engineering).
Samuels, Leo T., ph.d. (Biological Chemistry).
Schick, Franz B., ph.d. (Political Science).
Shand, David A., ph.d. (Music).
Shaw, Roy T., ph.d. (Marketing).
Short, Clarice E., ph.d. (English).
Skidmore, Rex A., ph.d. (Sociology and Social Work).
Snow, Dorothy G., ph.d. (English).
Spikes, John D., ph.d. (Experimental Biology).
Stephenson, Robt. E., ph.d. (Electrical Engineering).
Stokes, William L., ph.d. (Geology).
Stringham, Bronson F., ph.d. (Mineralogy).
Stucki, Roland, ph.d. (Management).
Sugihara, James M., ph.d. (Chemistry).
Swenson, Robert W., ll.b. (Law).
Swigart, J. Irvin, ph.d. (Physics).
Swinyard, Ewart A., ph.d. (Pharmacy).
Tanner, Obert, m.a. (Philosophy).
Taylor, Calvin W., ph.d. (Psychology).
Thurman, Samuel D., l.l.b. (Law).
Travers, Robt. M. W., ph.d. (Educational Psychology).
Tyler, Frank H., m.d. (Medicine).
Wadsworth, Milton E., ph.d. (Metallurgical Engineering).
Wahrhaftig, Austin L., ph.d. (Chemistry).
Weaver, Ellsworth E., ph.d. (Political Science).
Webb, Henry J., ph.d. (English).
Willson, John E., e.m. (Mining and Geological Engineering).
Wilson, Quintus C., ph.d. (Journalism).
Wintrobe, Maxwell M., ph.d., m.d. (Medicine).
Wolfe, James H., ph.d. (Mathematics).
Woodbury, Dixon M., ph.d. (Pharmacology).
Woodruff, A. D., ph.d. (Educational Psychology).
Wormuth, Francis D., ph.d. (Political Science).
Wyler, Paul E., ph.d. (Languages).
Wylie, Clarence R., ph.d. (Mathematics).
Young, Elmer R., ph.d. (Accounting).

UTAH STATE UNIVERSITY
of Agriculture and Applied Science
LOGAN, UTAH
Chartered 1888.

President: Daryl Chase.
Vice-President: Milton R. Merrell.
Vice-President, Business: Dee A. Broadbent.
Librarian: Milton C. Abrams.

Number of students: 7,277.

Deans:

Agriculture: Vearl R. Smith.
Business and Social Sciences: Robert P. Collier.
Education: John C. Carlisle.
Engineering: Dean F. Peterson.
Forestry: J. Whitney Floyd.
Graduate: J. Stewart Williams.
Family Life: Phyllis Snow.
Humanities and Arts: Carlton Culmsee.
Science: Eldon J. Gardner.
Dean of Students: Claude J. Burtenshaw.
Director of Summer School: Gene Jacobsen.
Women's Activities Counsellor: Leah Dunford.
Dean of Admissions and Records: L. Mark Neuberger.

Associated Colleges:

College of Southern Utah: Cedar City, Utah.
Director: Royden C. Braithwaite.

Snow College: Ephraim, Utah.
Director: Floyd S. Holm.

VANDERBILT UNIVERSITY
NASHVILLE, 5, TENNESSEE
Founded 1873

Chancellor: Alexander Heard, ph.d.
Vice-Chancellor: Rob Roy Purdy, m.a., ph.d.
Treasurer: Edwin S. Gardner, b.a.
Registrar: William O. Batts, Jr., ph.d.
Librarian: David E. Kaser, m.a., ph.d.

Number of teachers: 850.
Number of students: 4,381.

Deans:

Graduate School: Leonard B. Beach, m.a., ph.d.
College of Arts and Science: Emmett B. Fields, m.a., ph.d.
School of Engineering: Robert S. Rowe, m.s., m.e., d.e.
Divinity School: William C. Finch, ph.d.
School of Law: John W. Wade, ll.m., s.j.d.
School of Medicine: Randolph Batson, m.d.
School of Nursing: Miss Julia Jane Hereford, b.s.n., m.a.
Admissions: Thomas Daniel Young, ph.d.
Men: Sidney F. Boutwell, m.a.t.
Women: Miss Nora C. Chaffin, m.a., ph.d.
Medical Students: F. Tremaine Billings, m.d.

Professors:

Acker, Sidney H., b.s., m.e. (Mechanical Engineering).
Aden, John M., b.a., m.a., ph.d, (English).
Bardwell, Dwight C., b.s., ph.d. (Chemical Engineering).
Bass, Allan D., m.s., m.d. (Pharmacology).
Batson, Randolph, m.d. (Pediatrics).
Bayer, Bruce M., b.e., m.s. (Mechanical Engineering).
Bayer, D. Scott, m.d. (Clinical Obstetrics and Gynaecology).
Beach, Leonard B., m.a., ph.d. (English).
Bleiberg, German, Doctor en Filosofia y Letras (Spanish).
Bloch, Ingram, m.s., ph.d. (Physics).
Blood, Frank R., ph.d. (Biochemistry).
Bluh, Otto, ph.d., d.sc. (Physics).
Bogle, Robert B., d.d.s. (Clinical Dental Surgery).
Bonney, Charles H., b.s. in c.e. (Highway Engineering).
Boyce, Moffat G., m.s., ph.d. (Mathematics).
Bradley, Harold W., m.a., ph.d. (History).
Buchanan, Robert N., m.d. (Clinical Dermatology).
Burch, John C., m.d. (Gynæcology).
Bush, Milton T., b.chem., ph.d. (Pharmacology).
Carlson, Reynold E., m.a., ph.d. (Economics).

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CHAFFIN, NORA C., M.A., PH.D. (History).
CHEATHAM, ELLIOT E., LL.B., LL.D., D.C.L. (Law).
CHRISTIE, AMOS, B.S., M.D. (Pediatrics).
CLARK, BRENT G., B.E., M.A., PH.D. (Mathematics).
COLOWICK, SIDNEY P., M.S., PH.D. (Microbiology).
CRILEY, WALTER, B.S., E.E. (Electrical Engineering).
DANIEL, ROLLIN A., Jr., M.D. (Clinical Surgery).
DARBY, WILLIAM J., PH.D., M.D. (Biochemistry).
DAVIDSON, DONALD, M.A., LITT.D. (English).
DELZELL, CHARLES F., PH.D. (History).
DE VILBISS, CECIL F., B.S., M.ENG. (Structural Engineering).
DOERMANN, AUGUST H., M.A., PH.D. (Biology).
DRAGNICH, ALEX N., M.A., PH.D. (Political Science).
DUNCAN, EDGAR H., M.A., PH.D. (English).
DUSHANE, GRAHAM, PH.D. (Biology).
EBERLING, ERNEST J., M.A., PH.D. (Economics and Business Administration).
FELS, RENDIGS T., M.A., PH.D. (Economics).
FIELD, LAMAR, PH.D. (Chemistry).
FINCH, WILLIAM C., S.T.B., TH.M., PH.D., LL.D. (Religion in Higher Education).
FINNEY, CLAUDE LEE, M.A., PH.D. (English).
FLYGT, STEN G., M.A., PH.D. (German).
GEORGESCU-ROEGEN, NICHOLAS, B.SC., PH.D. (Economics).
GILKEY, LANGDON B., B.A., PH.D. (Theology).
GILMER, R. LEE, B.S.N., M.A. IN N.ED. (Medical Nursing).
GLENN, WILLIAM DAVID, B.E. (Civil Engineering).
GRAHAM, WALTER W., PH.D. (Applied Mathematics).
GRANTHAM, DEWEY W., Jr., PH.D. (History).
GROBEL, WILLIAM KENDRICK, B.D., M.A., DR.THEOL. (New Testament).
HALLIE, PHILIP P., M.A., PH.D. (Philosophy).
HARDACRE, PAUL H., PH.D. (History).
HARRELSON, WALTER, B.D., TH.D. (Old Testament).
HARRIS, ROBERT J., M.A., PH.D. (Political Science).
HARTMAN, PAUL J., LL.B., LL.M., JUR.SC.D. (Law).
HAYES, Captain RICHARD M., U.S.N., B.S. (Naval Science).
HAYES, WAYLAND J., M.S., PH.D. (Sociology).
HEARD, ALEXANDER, PH.D. (Political Science).
HENDRICKSON, JOE R., B.E., M.S. (Applied Mechanics).
HEREFORD, JULIA, B.S.N., M.A. (Nursing).
HILLMAN, J. WILLIAM, M.D. (Orthopædic Surgery).
HOLLADAY, WENDELL G., PH.D. (Physics).
HYATT, JAMES PHILIP, M.A., B.D., PH.D. (Old Testament).
HYDEN, JOHN A., M.A., PH.D. (Mathematics).
INGERSOLL, ARTHUR W., M.S., PH.D. (Organic Chemistry).
INNES, K. KEITH, M.SC., PH.D. (Chemistry).
JACOBS, DILLARD, B.E., M.S. (Mechanical Engineering).
JEWELL, WILLARD B., PH.D. (Geology).
KAMPMEIER, RUDOLPH H., M.D. (Medicine).
KASER, DAVIS, A.M.L.S., PH.D. (Library Science).
KELLER, ALVIN E., M.D. (Prevent ve Medicine and Public Health).
KLATTE, EUGENE C., M.D. (Radiology).
LAGEMANN, ROBERT T., M.S., PH.D. (Physics).
LANCASTER, C. MAXWELL, B.A., M.A. (French and Italian).
LAYNE, CLYDE L., Colonel Armor, U.S.A., B.S. (Military Science).
LEISERSON, AVERY, PH.D. (Political Science).
LIDDLE, GRANT W., M.D. (Medicine).
LUNDBERG, GUSTAVE, M.A., PH.D. (Applied Mathematics).
LUTON, FRANK H., M.D. (Psychiatry).
MCCLELLAN, G. SYDNEY, M.D. (Clinical Gynæcology).
MCKIE, JAMES W., M.S., PH.D. (Economics and Business Administration).
MCSWAIN, BARTON, M.D. (Surgery).
MANCHESTER, PAUL T., M.A., PH.D. (Spanish).
MANESS, GUY M., M.D. (Clinical Otolaryngology).
MARCHAND, JAMES W., M.A., PH.D. (German and Linguistics).
MARCHANT, ALEXANDER, PH.D. (History).
MAYHEW, GEORGE N., M.A., B.D., PH.D. (History of Religions).
MEACHAM, WILLIAM F., M.D. (Clinical Neurological Surgery).
MOGEY, JOHN M. A., D.SC., PH.D. (Sociology).
MORGAN, EDMUND MORRIS, M.A., LL.B. (Law).
MULLENDORE, JAMES M., PH.D. (Audiology and Speech Pathology).
NAJJAR, VICTOR A., M.D. (Microbiology).
NEWMAN, ELLIOTT VOSS, M.D. (Experimental Medicine).
NICHOLLS, WILLIAM H., M.A., PH.D. (Economics).
NORTON, HERMAN A., M.A., PH.D. (Church History).
NOYES, ROBERT W., M.D. (Obstetrics and Gynæcology).
NUNNALLY, JUM C., PH.D. (Psychology).
ORR, WILLIAM F., Jr., M.D. (Psychiatry).
OVERALL, JAMES C., M.D. (Clinical Pediatrics).
PAINE, THOMAS F., Jr., M.D. (Medicine).
PARK, CHARLES RAWLINSON, B.A., M.D. (Physiology).
PATTERSON, JOHN W., PH.D., M.D. (Physiology).
PEARSON, DONALD E., PH.D. (Chemistry).
PHILLIPS, DAYTON, M.A., PH.D. (History).
PITTINGER, CHARLES B., M.D. (Anæsthesiology).
PURDY, ROB ROY, M.A., PH.D. (English).
QUINN, ROBERT WILLIAM, M.D., C.M. (Preventive and Social Medicine).
REGEN, EUGENE M., M.D. (Clinical Orthopædic Surgery).
RIVEN, SAMUEL S., M.D., C.M. (Clinical Medicine).
ROADY, THOMAS G., M.A., J.D. (Law).
ROBERTS, WILLIAM HOLLOWAY, PH.D. (Spanish).
ROGERS, DAVID E., M.D. (Medicine).
ROWAN, WILLIAM H., B.E., C.E. (Soil and Fluid Mechanics).
ROWE, ROBERT S., B.C.E., M.S., M.ENG., D.ENG. (Civil Engineering).
RYSAN, JOSEF, PH.D. (German and Russian).
SANDERS, PAUL HAMPTON, LL.B. (Law).
SCHUMANN, FRED, M.S., PH.D. (Electrical Engineering).
SCOTT, HENRY WILLIAM, Jr., M.D. (Surgery).
SHAHAN, EWING P., M.B.A., PH.D. (Economics and Business Administration).
SHANKS, E. BAYLIS, PH.D. (Mathematics).
SHAPIRO, JOHN L., M.D. (Pathology).
SILBERMAN, LOU H., M.H.L., D.H.L. (Jewish Literature and Thought).
SLEETH, RONALD E., B.D., PH.D. (Preaching).
SMEDLEY, THEODORE A., B.A., J.D. (Law).
SMITH, HENRY CARROLL, M.D. (Clinical Ophthalmology).
SPIELBERGER, CHARLES D., PH.D. (Psychology).
SPROFKIN, BERTRAM E., M.S., M.D. (Clinical Neurology).
STEINE, DAVID, M.B.A. (Business Administration).
STEWART, RANDALL, M.A., PH.D. (English).
STOCKING, GEORGE WARD, M.A., PH.D. (Economics).
STOW, HENRY LLOYD, B.A., PH.D. (Classics).
STRAYHORN, W. DAVID, M.D. (Clinical Medicine).
STUMPF, SAMUEL E., B.D., PH.D. (Philosophy).
SWINT, HENRY LEE, M.A., PH.D. (History).
THISTLETHWAITE, DONALD L., PH.D. (Psychology).
THOMAS, CLARENCE S., M.D. (Clinical Medicine).
THREADGILL, WALTER D., B.E., PH.D. (Chemical Engineering).
THUNE, LELAND E., M.A., PH.D. (Psychology).
TOUSTER, OSCAR, M.A., PH.D. (Biochemistry).
TRAUTMAN, HERMAN L., LL.B., B.A. (Law).
WADE, JOHN WEBSTER, LL.M., S.J.D. (Law).
WAHLKE, JOHN C., PH.D. (Political Science).
WARD, JAMES W., PH.D., M.D. (Anatomy).
WEAVER, HERBERT, M.A., PH.D. (History).
WEINSTEIN, ALBERT, M.D. (Clinical Medicine).
WHITACRE, FRANK E., M.D. (Obstetrics and Gynæcology).
WILLEMS, EMILIO, PH.D. (Sociology).
WILSON, CHARLES W., Jr., M.S., PH.D. (Geology).
WOLF, FREDERICK TAYLOR, M.A., PH.D. (Biology).
WRIGHT, JOSEPH E., B.S., M.A. (Speech and Drama).
ZEIDBERG, LOUIS D., M.D. (Epidemiology).

UNIVERSITY OF VERMONT AND STATE AGRICULTURAL COLLEGE

BURLINGTON, VERMONT

Telephone: UN 44511

Founded 1791.

President: JOHN THEODORE FEY, J.S.D., LL.D.
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Registrar: HAROLD C. COLLINS, B.S.
Librarian: BEN BOWMAN, M.A.
Curator: RICHARD HARRY JANSON, PH.D.

The library contains 220,000 volumes.
Number of teachers: 427.
Number of students: 2,452 men, 1,391 women, total 3,843.
Publication: *Annual Bulletin.*

DEANS:
Dean of Faculties: CLINTON D. COOK, PH.D.
Dean of Graduate College: WILLIAM H. MACMILLAN, PH.D.
College of Arts and Sciences: GEORGE V. KIDDER, PH.D.

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College of Agriculture: PAUL ROBERT MILLER, M.S.
College of Technology: WARREN O. ESSLER, PH.D.
College of Medicine: ROBERT SLATER, M.D.
Administration: LYMAN S. ROWELL, M.S.
College of Education: THOMAS C. KING, D.ED.

VILLANOVA UNIVERSITY

VILLANOVA, PENNSYLVANIA

Founded 1842.

President: Very Rev. JOHN A. KLEKOTKA, O.S.A.
Vice-President of Academic Affairs: Rev. JOSEPH J. GILDEA, O.S.A.
Vice-President for Financial Affairs: REV. JOHN J. CURRAN, O.S.A.
Vice-President of Student Affairs: Rev. JOSEPH W. KEMME, O.S.A.
Librarian: Rev. LOUIS A. RONGIONE, D.S.A.

Number of teachers: 375.
Number of students: 6,800.
Publication. *Villanova University Bulletin.*

DEANS:

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Arts and Science: Rev. ROBERT WELSH, O.S.A.
Commerce and Finance: Rev. JOSEPH C. BARTLEY, O.S.A.
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UNIVERSITY OF VIRGINIA

CHARLOTTESVILLE, VIRGINIA

Telephone: 295-2166
Telegraphic Address: Charlottesville Va.

Founded by act of General Assembly of Virginia, 1819.

President: EDGAR FINLEY SHANNON, Jr., A.M., D.PHIL. (Oxon), LITT.D.
Dean of the University: B. F. [illegible]UNK, B.S., M.S., PH.D.
Comptroller: VINCENT SHEA, M.S.
Registrar: EDWARD W. LAUTENSCHLAGER, B.S., M.S.
Librarian: JOHN COOK WYLLIE, B.A.

Library: *see* Libraries.
Number of teachers: 592.
Number of students: 5,950 full-time.
Publications: *Virginia Quarterly Review.*

DEANS:

Faculty of Arts and Sciences: ROBERT J. HARRIS, A.M., PH.D.
College of Arts and Sciences: IRBY B. CAUTHEN, Jr., M.A., PH.D.
Summer Session: RALPH W. CHERRY, A.B., M.A., PH.D.
School of Architecture: THOMAS KEVIN FITZ PATRICK, B.ARCH., M.ARCH.
School of Education: RALPH W. CHERRY, A.B., M.A., PH.D.
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College of Nursing: KATHARINE E. FAVILLE, M.S., R.N.
College of Pharmacy: STEPHEN WILSON, PH.D.
Law School: ARTHUR NEEF, A.B., J.D.
School of Business Administration: WALTER C. FOLLEY, SC.D.

WESLEYAN UNIVERSITY

MIDDLETOWN, CONNECTICUT
Telephone: 7-4421

Chartered 1831.

President: VICTOR L. BUTTERFIELD, M.A., PH.D., LL.D., L.H.D., LITT.D.
Vice-President and Treasurer: HOWARD B. MATTHEWS, B.A.
Dean of the Faculty: JOHN W. SPAETH, JR., PH.D.
Dean of Students: MARK BARLOW, JR., B.A., M.A.
Director of Admissions: ROBERT J. NORWINE, B.A.
Registrar: C. HESS HAAGEN, PH.D.
Librarian: WYMAN W. PARKER, M.A., B.L.S.
Director of Public Relations: JOHN W. PATON, B.A., M.S.

The library contains 475,000 volumes.
Number of teachers: 165.
Number of students: 975 undergraduate, 100 graduate.
Publication: *Bulletin* (five issues a year).

WEST VIRGINIA UNIVERSITY

MORGANTOWN, WEST VIRGINIA

Founded 1867.

Presdient: PAUL AUSBORN MILLER, PH.D.
Assistant to the President: HAROLD J. SHAMBERGER, M.P.A.
Provost: JOHN F. GULAY, D.PHIL.(OXON.).
Vice-President—Medical Center: KENNETH E. PENROD, PH.D.
Registrar: J. EVERETT LONG, M.A.
Comptroller: LOUISE KEENER, B.A.
Librarian: ROBERT FERGUSON MUNN, PH.D.

The library contains over 450,000 volumes.
Number of teachers: 750.
Number of students: 5,880 men, 2,403 women, total 8,283.

Publication: *West Virginia University Bulletin*, monthly during the University year.

DEANS:

College of Agriculture, Forestry and Home Economics: ERNEST J. NESIUS, PH.D.
College of Arts and Sciences: CARL M. PRAGURE, PH.D.
College of Commerce: THOMAS C. CAMPBELL, PH.D. (acting).
College of Education: EARL R. BOGGS, PH.D.
College of Engineering: CHESTER A. ARENTS, M.E.
College of Law: CLYDE LEMUEL COLSON, S.J.D.
College of Pharmacy: R. O. BACHMANN, PH.D.
School of Journalism: QUINTAS C. WILSON, PH.D.
School of Medicine: CLARK K. SLEETH, M.D.
School of Dentistry: KENNETH V. RANDOLPH, D.D.S.
School of Mines: CHARLES T. HOLLAND, M.S.E.M.
School of Music: RICHARD E. DUNCAN, PH.D.
School of Physical and Health Education, Recreation and Safety: RAYMOND O. DUNCAN, PH.D.
School of Nursing: DOROTHY M. MAJOR, ED.D.
Graduate School: JOHN F. GULAY, D.PHIL. (Oxon.).
Student Affairs: JOSEPH C. GLUCK, B.D.

WESTERN RESERVE UNIVERSITY

2040 ADELBERT ROAD, CLEVELAND 6, OHIO

Founded 1826

President: JOHN SCHOFF MILLIS, PH.D., LL.D., SC.D., L.H.D.
Vice-President: NATHAN E. COHEN, PH.D.
Vice-President: for Administration and Treasurer: DONALD FAULKNER, PH.D., LL.D.
Vice-President for Research: WILLIAM M. HESTON, PH.D.
Registrar and Director of Personnel: JOHN C. BRAYTON.
Secretary: CAROLYN NEFF, A.B.
Associate Director, University Office of Research: ALLEN C. MOORE, PH.D.
Librarian: LYON N. RICHARDSON, PH.D.

The library contains 796,908 volumes.
Number of teachers: 1,367.
Number of students (1962-63): 6,801 men, 5,287 women, total 12,088.
Publication: *Bulletin.*

DEANS:

Arts and Sciences: FRANK H. HURLEY, PH.D.
Adelbert College: CLARENCE H. CRAMER, PH.D.
Cleveland College: LESLIE E. BROWN, M.A.
Flora Stone Mather College: ELIZABETH T. HASTINGS, PH.D.
Frances Payne Bolton School of Nursing: ROZELLA M. SCHLOTFELDT, PH.D.
Graduate School: LESTER G. CROCKER, PH.D.
School of Applied Social Science: NATHAN E. COHEN, PH.D.
School of Dentistry: PAUL EDMUND BOYLE, D.M.D.
Franklin Thomas Backus School of Law:
Administrative Affairs: OLIVER C. SCHROEDER, JR., A.B., LL.B. (acting).
Academic Affairs: MAURICE S. CULP, A.B., A.M., LL.B., S.J.D. (acting).
School of Library Science: JESSE H. SHERA, PH.D.
School of Medicine: DOUGLAS D. BOND, M.D.
Graduate School of Business: FRANK H. HURLEY, PH.D. (acting).

PROFESSORS:

ADRIAN, ARTHUR A., PH.D. (English).
ALBEE, GEORGE W., PH.D. (Psychology).
ALLEN, CLARENCE B., PH.D. (Education).
AUSTIN, MARY C., PH.D. (Education).
BACON, CHARLES S., JR., PH.D. (Geology).
BADGER, GEORGE F., M.D., PH.D. (Biostatics).
BALL, VICTORIA KLOSS, PH.D. (Interior Design).
BARLOON, MARVIN, M.B.A. (Business and Economics).
BEATTY, RICHARD C., D.D.S. (Orthodontics).

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BECK, CLAUDE S., D.SC., M.D. (Surgery).
BENDEROFF, OLGA C., M.S. (NURS.) (Nursing).
BERNE, ROBERT M., M.D. (Physiology).
BERRETTONI, J. N., PH.D. (Statistics).
BLANCO, VICTOR, PH.D. (Astronomy).
BOND, DOUGLAS D., M.D. (Psychiatry).
BOYLE, PAUL EDMUND, D.M.D. (Oral Pathology).
BROADBENT, B. HOLLY, D.D.D. (Dentofacial Morphology).
BROWN, LESLIE E., M.A. (Adult Education).
BURWASSER, PHILIP, D.D.S., PH.D. (Pedodontics).
BUSCH, HENRY M., M.A. (Sociology).
CHANDRASEKHAR, BELLUR, PH.D. (Physics).
CHAPMAN, EDMUND H., PH.D. (Art).
COHEN, NATHAN E., PH.D. (Social Work).
COLE, JACK W., M.D. (Surgery).
CORRY, WILLIS E., D.D.S. (Diagnosis and Treatment Planning).
CRAMER, CLARENCE H., PH.D. (History).
CROCKER, LESTER G., PH.D. (Romance Languages).
CULP, MAURICE M., LL.B., S.J.D. (Law).
CUMMINS, ALFRED B., J.D. (Industry).
CUNNINGHAM, FRANCES H., R.N., M.S. (Nursing).
DANNLEY, RALPH LAWRENCE, PH.D. (Chemistry).
DAVIS, CHARLES C., PH.D. (Biology).
DAVIS, HAMILTON S., M.D. (Anæsthesia).
DINGLE, JOHN, M.D., SC.D. (Preventive Medicine).
DOBYNS, BROWN, M.D., PH.D. (Surgery).
DONNER, HENRY F., SC.D. (Geology).
DRESSEL, ROBERT P., D.D.S. (Crown and Bridge Dentistry).
EBERT, ROBERT H., M.D., PH.D. (Medicine).
EPHRUSSI, BORIS, M.A., SC.D. (Biology, Developmental Genetics).
EPHRUSSI-TAYLOR, HARRIET, PH.D. (Biology).
ERBE, WESLEY A., PH.D. (Education).
ERICKSON, ARVEL B., PH.D. (History).
EVANS, EDWARD G., JR., PH.D. (Music).
FADDIS, MARGENE, M.A., R.N. (Medical Nursing).
FINNIGAN, EDWARD L., M.A. (Health and Physical Education).
FISHER, RAYMOND, M.SC. (Social Work).
FOCKE, HELEN M., A.M., B.S. IN L.S. (Library Science).
FOLEY, JOSEPH M., M.D. (Neurology).
FRIEDELL, HYMER L., M.D., PH.D. (Radiology).
GARDNER, WILLIAM M., D.D.S. (Preventive Dentistry and Periodontics).
GONZALEZ, JOAQUIN, PH.D. (Romance Languages).
GRUENINGER, ROBERT M., PH.D. (Physical Education).
GRUMMITT, OLIVER J., PH.D. (Chemistry).
GUTHRIE, WARREN, PH.D. (Speech).
HAM, THOMAS H., M.D. (Medicine).
HAMILTON, HARLAN W., PH.D. (English).
HARRIS, JOHN W., M.D. (Medicine).
HASTINGS, ELIZABETH T., PH.D. (English).
HENDRICKS, CHARLES H., M.D. (Obstetrics and Gynæcology).
HERNDON, CHARLES H., M.D. (Orthopædic Surgery).
HERTZ, MARGUERITE, PH.D. (Psychology).
HERZBERG, FREDERICK I., PH.D. (Psychology).
HINGSON, ROBERT, M.D. (Anæsthesia).
HIRSCHMAN, HANS, M.D., PH.D. (Biochemistry).
HOLDEN, WILLIAM D., M.D. (Surgery).
HOVORKA, FRANK, PH.D. (Chemistry).
HUNSCHER, HELEN A., PH.D. (Nutrition).
IRWIN, WILLIAM PRYOR, II, PH.D. (Political Science).
JONES, W. POWELL, PH.D. (English).
KADISH, MORTIMER, PH.D. (Philosophy).
KATAN, ANNY (MRS. MAURICE), M.D. (Child Analysis).
KATAN, MAURICE, M.D. (Psychoanalysis).
KIEHN, CLIFFORD, D.D.S., M.D. (Oral and Maxillo-Facial Surgery).
KISSLINGER, LEONARD S., PH.D. (Physics).
KOLETSKY, SIMON, M.D. (Pathology).
KRAMPITZ, LESTER O., PH.D. (Microbiology).
LANKELMA, HERMAN P., PH.D. (Chemistry).
LAWYER, KENNETH, PH.D. (Marketing and Merchandising).
LEATHEM, BARCLAY S., LL.B. (Dramatic Arts).
LEE, SHERMAN E., PH.D. (Art).
LEIGHTON, WALTER, PH.D. (Mathematics).
MCCOLLOM, WILLIAM G., PH.D. (Dramatic Arts, English).
MCCUSKEY, SIDNEY W., PH.D. (Astronomy).
MAJOR, JOHN KEENE, PH.D. (Physics).
MEIER, ELIZABETH G., D.S.W. (Social Work).
MILES, NADINE, A.M. (Dramatic Arts).
MORGAN, WINFIELD S., M.D. (Pathology).
MORITZ, ALAN R., M.D. (Pathology).
MULHAUSER, RUTH, PH.D. (Romance Languages).
MUNRO, THOMAS, PH.D. (Art).
MUNSTER, JOE H., JR., S.J.D. (Law).
NULSEN, FRANK E., M.D. (Neurosurgery).
OTIS, JAY L. PH.D. (Psychology).
PACE, EUGENE L., PH.D. (Chemistry).
PARKER, ROBERT, M.D. (Microbiology).
PERSKY, LESTER, M.D. (Urology).
PRIESTLEY, WILLIAM T., B.ARCH. (Architecture).
PRITCHARD, WALTER H., M.D. (Medicine).
PUCKETT, NEWBELL N., PH.D. (Sociology).
QUILLIGAN, EDWARD, M.D. (Obstetrics and Gynæcology).
RAMMELKAMP, CHARLES H., M.D. (Medicine).
RATNOFF, OSCAR D., M.D. (Medicine).
REAGAN, JAMES WILLIAM, M.D. (Pathology).
REHOR, CHARLES F., PH.D. (English).
RHINELANDER, FREDERIC, M.D. (Orthopedic Surgery).
RICHARDSON, LYON N., PH.D. (English).
RIGG, HORACE A., JR., PH.D. (Religion).
ROBBINS, FREDERICK C., M.D. (Pediatrics).
ROSS, HUGH A., LL.M., S.J.D. (Law).
RYAN, KENNETH J., M.D. (Obstetrics and Gynæcology).
SAKAMI, WARWICK, PH.D. (Biochemistry).
SAYERS, GEORGE, PH.D. (Physiology).
SCHERMERHORN, RICHARD A., PH.D. (Sociology).
SCHLOTFELDT, ROZELLA M., PH.D. (Nursing).
SCHNEIDERMAN, HOWARD K., PH.D. (Biology).
SCHROEDER, OLIVER C., LL.B. (Law).
SCHWARTZ, DREW, PH.D. (Biology).
SCOTT, ROGER B., M.D. (Obstetrics and Gynæcology).
SHERA, JESSE H., PH.D. (Library Science).
SHERWOOD, PAUL P., D.D.S. (Endodontics, Roentgenology).
SHIPLEY, REGINALD A., M.D. (Medicine).
SHOLANDER, MARLOW C., PH.D. (Mathematics).
SHUMWAY, NORMAN P., M.D. (Medicine).
SIMEONE, FIORINDO A., M.D., SC.M. (Surgery).
SINGER, MARCUS, PH.D. (Anatomy).
SOKOLLU, ADNAN, D.SC. (Opthamology).
SPECTOR, SAMUEL, M.D. (Pediatrics).
SPOCK, BENJAMIN, M.D. (Child Development).
STAVITSKY, ABRAM B., PH.D., V.M.D. (Microbiology).
STEHLI, FRANCIS G., PH.D. (Geology).
STEINBERG, ARTHUR G., PH.D. (Biology).
STEINHAUER, HARRY, PH.D. (German).
STEVENSON, DAVID L., PH.D. (English).
STEWART, JOHN H., PH.D. (History).
STORAASLI, JOHN P., M.D. (Radiology).
SUSSMAN, MARVIN B., PH.D. (Sociology).
TAUBER, GERALD E., PH.D. (Physics).
TEST, ESHER I., M.SC. (Social Group Work).
THOMAS, CHARLES I., M.D. (Opthalmology).
TURNER, JOHN B., D.S.W. (Social Work).
UTTER, MERTON F., PH.D. (Biochemistry).
VICTOR, MAURICE, M.D. (Neurology).
WALLACE, WILLIAM MCL., M.D. (Pediatrics).
WEINBERG, JOSEPH W., PH.D. (Physics).
WEISBERGER, AUSTIN S., M.D. (Medicine).
WELFLING, WELDON, PH.D. (Economics, Banking, Finance).
WISH, HARVEY, PH.D. (History).
WISOTZKY, JOEL, PH.D. (Dental Medicine).
WOLFE, ROLLAND E., PH.D. (Biblical Literature).
WOOD, HARLAND G., PH.D., D.SC. (Biochemistry).
YANKEE, GLENN G., PH.D. (Accounting).
YEAGER, ERNEST B., PH.D. (Chemistry).

UNIVERSITY OF WICHITA

WICHITA 184, KANSAS

Founded 1895 as Fairmount College (Congregational), control transferred to City of Wichita 1926.

President: HARRY F. CORBIN, A.B., B.D., LL.B.
Treasurer: GLEN GARDNER.
Registrar: WORTH A. FLETCHER, M.A., PH.D.
Librarian: DOWNING O'HARA, M.A.

The library contains 190,000 volumes.
Number of teachers: 334.
Number of students: 4,144 men, 1,770 women, total 5,914.
Publications: *Bulletin, Sunflower.*

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DEANS:
Liberal Arts and Sciences: JAMES K. SOURS.
Education: J. O. POWELL.
Music: W. DUERKSEN.
Engineering: KENNETH RAZAK.
Business Administration: J. D. HEYSINGER.
Graduate: HUGO WALL.
University College: J. R. BERG.

WILLAMETTE UNIVERSITY

SALEM, OREGON
Telephone: 581-1641

President: G. HERBERT SMITH.
Registrar: RICHARD A. YOCOM.
Librarian: G. W. STANBERRY II.

Number of teachers: 100.
Number of students: 1,350.
Publication: *Willamette University Bulletin.*

DEANS:
College of Liberal Arts: ROBERT D. GREGG.
College of Law: SEWARD P. REESE.
College of Music: MELVIN H. GEIST.

UNIVERSITY OF WISCONSIN

MADISON 6, WISCONSIN
Founded 1848

Central Administration

President: FRED H. HARRINGTON, PH.D., LL.D.
Vice-President of Academic Affairs: ROBERT L. CLODIUS, PH.D.
Vice-President and Trust Officer: ALFRED W. PETERSON, B.A.
Vice-President for Business Affairs: NEIL G. CAFFERTY, B.S.
Dean for Public Services: LEROY E. LUBERG, PH.D.
Dean for Student Affairs: MARTHA E. PETERSON, PH.D.
Co-ordinator of Institutional Studies: L. JOSEPH LINS, PH.D.
Secretary of the Regents: CLARKE SMITH, PH.B.

Madison Campus and Freshman Sophomore Centers

Acting Provost: ROBERT L. CLODIUS, PH.D.
Acting Dean of Students: LEWIS E. DRAKE, PH.D.
Registrar and Director of Admissions: WAYNE L. KUCKKAHN, M.S.
Director of Libraries: LOUIS KAPLAN, PH.D.
Secretary of the Faculty: ALDEN W. WHITE, B.A.

Library: *see* Libraries.
Number of teachers (1962-63): 2,460, excluding graduate assistants and Forest Products lecturers.
Number of students (1963-64): 17,514 men, 9,856 women, total 27,370.

DEANS:
College of Letters and Science: H. EDWIN YOUNG, PH.D., LL.D.
College of Engineering: KURT F. WENDT, B.S.
College of Agriculture: RUDOLPH K. FROKER, M.A.
School of Education: LINDLEY J. STILES, ED.D.
School of Commerce: ERWIN A. GAUMNITZ, PH.D.
School of Pharmacy: ARTHUR H. UHL, PH.D.
Law School: GEORGE H. YOUNG, B.A., LL.B.
Medical School: JAMES F. CROW, PH.D. (acting).
School of Home Economics: JOSEPHINE H. STAAB, PH.D. (*Associate Dean*).
School of Journalism: RALPH O. NAFZIGER, PH.D. (*Director*).
School of Music: SAMUEL T. BURNS, PH.D. (*Chairman*).
School of Nursing: HELEN L. BUNGE, ED.D. (*Associate Dean and Director*).
Library School: MARGARET E. MONROE, D.L.S.
Graduate School: ROBERT A. ALBERTY, PH.D.
Women: PATRICIA TAUTFEST, PH.D. (acting).
Men: THEODORE W. ZILLMAN, B.A., LL.B.
Extension Division: LORENTZ H. ADOLFSON, PH.D.
Freshman-Sophomore Centers: WILBUR M. HANLEY, PH.D. (*Director*).
Summer Sessions: LORENTZ H. ADOLFSON, PH.D. (*Director*).

PROFESSORS:
AGARD, WALTER R., B.LITT., LITT.D., L.H.D. (Classics).
AHLGREN, HENRY L., PH.D. (Agronomy).
ALBERTY, ROBERT A., PH.D. (Chemistry).
ALBRIGHT, EDWIN C., M.D. (Medicine).
ALEXANDER, JOHN W., PH.D. (Geography).
ALLEN, HELEN L., M.A. (Home Economics).
ALLEN, OSCAR N., PH.D. (Bacteriology).
ALLEN, PAUL J., PH.D. (Botany).
ALLEN, THOMAS C., PH.D. (Entomology).
ALTPETER, ROGER J., PH.D. (Chemical Engineering).
ANDERSON, DONALD M., M.A. (Art Education).
ANDERSON, LAURENS, PH.D. (Biochemistry).
ANDREW, ROBERT H., PH.D. (Agronomy).
ANDREWS, RICHARD B., PH.D. (Commerce).
ANGEVINE, D. MURRAY, M.D. (Pathology).
ANNIN, GERALD E., M.S. (Poultry Science).
APPLE, JAMES W., PH.D. (Entomology).
ARCHER, E. JAMES, PH.D. (Psychology).
ARMSTRONG, JOHN A., PH.D. (Political Science).
ARNY, DEANE C., PH.D. (Agronomy and Plant Pathology).
ATTOE, OSBORNE J., PH.D. (Soils).
BACKUS, MYRON P., PH.D. (Botany and Plant Pathology).
BAERRIES, DAVID, PH.D. (Anthropology).
BAILEY, STURGES W., PH.D. (Geology).
BAKKEN, HENRY H., M.A. (Agricultural Economics).
BALDWIN, IRA L., PH.D., D.SC. (Bacteriology).
BANDY, WILLIAM T., PH.D. (French).
BARBASH, JACK, M.A. (School for Workers—Extension Division).
BARNETT, MILTON L., PH.D. (Anthropology).
BARSCHALL, HENRY H., PH.D. (Physics).
BAUMANN, CARL A., PH.D. (Biochemistry).
BEACH, KATHRYN R., M.S. (Home Economics).
BEEMAN, WILLIAM W., PH.D. (Physics).
BEINERT, HELMUT, PH.D. (Enzyme Institute).
BENDER, PAUL, PH.D. (Chemistry).
BENEDICT, R. RALPH, M.S. (Electrical Engineering).
BENNETT, EMMETT L., PH.D. (Classics and Humanities).
BENNETT, E. MAXINE, M.D. (Surgery).
BERANEK, WILLIAM, PH.D. (Commerce).
BERGE, ORRIN I., M.S. (Agricultural Engineering).
BERGER, KERMIT C., PH.D. (Soils).
BERKOWITZ, LEONARD, PH.D. (Psychology).
BERMAN, DAVID T., PH.D. (Veterinary Science).
BEUSCHER, JACOB H., J.S.D. (Law).
BING, R. H., PH.D. (Mathematics).
BIRD, HERBERT R., PH.D. (Poultry Science).
BIRD, R. BYRON, PH.D. (Chemical Engineering).
BJORAKER, WALTER T., PH.D. (Agricultural and Extension Education).
BLACK, ROBERT F., PH.D. (Geology).
BLAEDEL, WALTER J., PH.D. (Chemistry).
BLANCHARD, CONVERSE H., PH.D. (Physics).
BOARDMAN, EUGENE P., PH.D. (History).
BOCK, ROBERT M., PH.D. (Biochemistry).
BORGATTA, EDGAR F., PH.D. (Sociology).
BORROWMAN, MERLE L., ED.D. (Education).
BOTTKE, KARL G., PH.D. (French).
BOUMAN, HARRY D., M.D. (Physical Medicine).
BOWER, JAMES B., PH.D. (Commerce).
BOWERS, JOHN Z., M.D. (Medicine).
BOX, GEORGE E. P., PH.D. (Statistics).
BRAY, ROBERT W., PH.D. (Meat and Animal Science).
BRÉE, GERMAINE, D.LITT. (French and Humanities Research).
BREMBECK, WINSTON L., PH.D. (Speech).
BRIDGMAN, CHARLES S., PH.D. (Psychology—Extension Division).
BRINK, R. ALEXANDER, D.SC. (Genetics).
BROCKHAUS, HERMAN H., PH.D. (Speech and Extension).
BRODIE, ABNER, LL.B. (Law).
BROGDEN, WILFRED J., PH.D. (Psychology).
BROWN, CLYDE M., PH.D. (Engineering Experiment Station).
BRUCK, RICHARD H., PH.D. (Mathematics).

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BRUHN, HJALMER D., M.S. (Agricultural Engineering).
BRUHN, MILTON, B.S. (Athletics).
BRYSON, REID A., PH.D. (Meteorology).
BUCHHOLTZ, KENNETH P., PH.D. (Agronomy).
BUCK, R. CREIGHTON, PH.D. (Mathematics).
BUNGE, HELEN L., ED.D. (Nursing).
BURCH, CLARK W., D.V.M. (Veterinary Science).
BURNS, SAMUEL T., PH.D. (Music and Education).
BURRIS, ROBERT H., PH.D. (Biochemistry).
BUSSE, LOUIS W., PH.D. (Pharmacy).
BUTTS, PORTER F., M.A. (Wisconsin Union).
CALBERT, HAROLD E., PH.D. (Dairy and Food Industries).
CAMERINI, UGO, B.S. (Physics).
CAMERON, EUGENE N., PH.D. (Geology).
CAMERON, RONDO E., PH.D. (Economics and History).
CAMPBELL, RALPH E., M.D. (Obstetrics and Gynæcology).
CAMPBELL, RICHARD V., J.S.D. (Law).
CARBON, MAX W., PH.D. (Nuclear Engineering).
CARSTENSEN, VERNON, PH.D. (History and Agricultural Economics).
CARTTER, BRUCE L., M.S. (Agricultural Extension).
CASIDA, JOHN E., PH.D. (Entomology).
CASIDA, LESTER, PH.D. (Genetics).
CASSIDY, FREDERIC G., PH.D. (English).
CENTER, CHARLES C., PH.D. (Commerce).
CHAPMAN, ARTHUR B., PH.D. (Genetics).
CHAPMAN, R. KEITH, PH.D. (Entomology).
CHARD, CHESTER S., PH.D. (Anthropology).
CHURCH, RICHARD C., M.A. (Music).
CLAGETT, MARSHALL, PH.D. (Institute for the Research in Humanities).
CLARENBACH, FRED A., PH.D. (Political Science).
CLARK, ANDREW H., PH.D. (Geography).
CLARK, HARRY H., M.A., LL.D. (English).
CLARK, L. DONOVAN, M.B. (Minerals and Metals Engineering).
CLARK, ROBERT C., PH.D. (Agricultural Administration).
CLARKE, HELEN I., M.A. (Social Work).
CLEARY, JAMES W., PH.D. (Speech).
CLINARD, MARSHALL B., PH.D. (Sociology).
CLINE, LEWIS M., PH.D. (Geology).
CLODIUS, ROBERT L., PH.D. (Agricultural Economics).
CODE, ARTHUR D., PH.D. (Astronomy).
COHEN, BERNARD C., PH.D. (Political Science).
COHEN, PHILIP P., PH.D., M.D. (Physiological Chemistry).
COLESCOTT, WARRINGTON W., M.A. (Art Education).
COMBS, OVA, M.S. (Horticulture).
CONWAY, JOHN E., A.B., LL.B. (Law).
COOK, HUGH L., PH.D. (Agricultural Economics).
COOPER, DELMER C., PH.D., D.SC. (Genetics).
COOPER, MARGARET, PH.D. (Home Economics).
COOPER, SIGNE S., M.ED. (Nursing).
CORNWELL, C. DANIEL, PH.D. (Chemistry).
COTTAM, GRANT, PH.D. (Botany).
COTTERMAN, CHARLES W., PH.D. (Medical Genetics).
COTTINGHAM, WILLARD S., C.E., M.S. (Civil Engineering).
CRANDALL, LEE W., PH.D. (Civil Engineering).
CRANE, FRANK D., PH.D. (English—Extension).
CRANE, ROBERT E., PH.D. (Music).
CRONON, E. DAVID, PH.D. (History).
CROW, JAMES F., PH.D. (Zoology and Medical Genetics).
CROWLEY, JAMES W., PH.D. (Diary Science).
CRUMPTON, CHARLES, M.D. (Medicine).
CULBERTSON, JOHN M., PH.D. (Economics and Commerce).
CURRENT, RICHARD N., PH.D. (History).
CURRERI, ANTHONY R., M.D. (Surgery).
CURTI, MERLE, PH.D., L.H.D. (History).
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CURVIN, JONATHAN W., PH.D. (Speech).
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DAGGETT, RONALD L., M.S. (Mechanical Engineering).
DALRYMPLE, JULIA I., PH.D. (Home Economics).
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DAVID, RUTH F., M.S. (Home Economics).
DAWE, HELEN C., PH.D. (Home Economics).
DEUTSCH, HAROLD F., PH.D. (Physiological Chemistry).
DE VAULT, M. VERE, ED.D. (Education).
DEXTER, RICHARD N., PH.D. (Physics).
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DONALDSON, BEATRICE E., PH.D. (Home Economics).
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DORAN, MADELEINE, PH.D. (English).
DOREMUS, ROBERT B., PH.D. (English).
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DUFFIE, JOHN A., PH.D. (Engineering Experiment Station).
DUNN, S. WATSON, PH.D. (Commerce and Journalism).
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EASTON, ARCHIE H., M.E. (Mechanical and Civil Engineering).
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ECKHARDT, AUGUST G., S.J.D. (Law).
EDSON, CHARLES F., PH.D. (History).
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ELLSWORTH, PAUL T., PH.D. (Economics).
EL-WAKIL, MOHAMED M., PH.D. (Mechanical Engineering).
EMLEN, JOHN, PH.D. (Zoology).
EMMONS, RICHARD C., PH.D. (Geology).
ENCK, JOHN J., PH.D. (English).
ENGEL, HAROLD A., M.A. (Radio-Television Education).
ENGELBERT, LINCOLN E., PH.D. (Soils).
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ERICKSON, THEODORE C., M.D., PH.D. (Surgery).
EVANS, ALFRED S., M.D. (Preventive Medicine and Hygiene).
EYE, GLEN G., PH.D. (Education).
FADELL, EDWARD R., PH.D. (Mathematics).
FAGIN, HENRY, M.S. (Urban and Regional Planning).
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FARWELL, GAIL F., ED.D. (Education).
FEI, EDWARD C., PH.D. (Economics).
FEINSINGER, NATHAN P., B.A., J.D. (Law).
FELLMAN, DAVID, PH.D. (Political Science).
FERGUSON, CLARENCE M., B.S. (National Agricultural Extension Center).
FERRY, JOHN D., PH.D. (Chemistry).
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FISHER, BURTON R., PH.D. (Sociology).
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FORSTER, FRANCIS M., M.D. (Neurology).
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FRAINE, HAROLD G., PH.D. (Commerce).
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FRY, WILLIAM F., PH.D. (Physics).
FULTON, ROBERT W., PH.D. (Plant Pathology).
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GAUSEWITZ, WALTER, PH.D. (German).
GERLOFF, GERALD C., PH.D. (Botany).
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JENSEN, KAI, PH.D. (Education).
JENSEN, MERRILL, PH.D. (History).
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JOHANSEN, GUNNAR (Music).
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JOHNSON, MARVIN J., PH.D. (Biochemistry).
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JONES, EMLYN D., PH.D. (Education and History).
JONES, PAUL G., S.M.D. (Music).
JOOS, MARTIN, PH.D. (German).
JORDRE, EMMA M., M.S. (Home Economics).
JUHL, JOHN H., M.D. (Radiology).
KADUSHIN, ALFRED, PH.D. (Social Work).
KAESBERG, PAUL J., PH.D. (Biochemistry).
KAMARCK, EDWARD L., M.A. (Speech—Extension Division).
KAPLAN, LOUIS, PH.D. (Library).
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KASTLER, NORMAN M., M.A. (Economics—Extension Division).
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KEARL, BRYANT E., PH.D. (Agricultural Journalism).
KERST, DONALD W., PH.D. (Physics).
KHORANA, H. GOBIND, PH.D. (Enzyme Institute).
KIENTIZ, JOHN F., PH.D. (Art History).
KINNE, WILLIAM S., JR., B.S. (Planning and Construction).
KIVLIN, VINCENT E., M.S. (Agricultural Education).
KLAUSMEIER, HERBERT J., ED.D. (Education).
KLEENE, STEPHEN C., PH.D. (Mathematics).
KNIGHT, STANLEY G., PH.D. (Bacteriology).
KNIGHT, W. DONALD, PH.D. (Commerce).
KOEHLER, GLENN, M.S. (Electrical Engineering and Radio-Television Education).
KOLISCH, RUDOLPH (Music).
KOREVAAR, JACOB, PH.D. (Mathematics).
KOZELKA, FRANK L., PH.D. (Pathology).
KOZLOWSKI, THEODORE T., PH.D. (Forestry).
KREITLOW, BURTON, PH.D. (Agricultural and Extension Education).
KROEBER, KARL, PH.D. (English).
KROFF, ALEXANDER Y., PH.D. (French).
KRUG, EDWARD A., ED.D. (Education).
KUBLY, HAROLD E., PH.D. (Commerce).
KUNTZ, JAMES E., PH.D. (Plant Pathology).
KUPCHAN, S. MORRIS, PH.D. (Pharmaceutical Chemistry).
LACY, EDGAR W., PH.D. (English).
LALICH, JOSEPH, M.D. (Pathology).
LAMBERT, PHILIP, PH.D. (Education).
LAMPARD, ERIC E., PH.D. (History).
LAMPMAN, ROBERT J., PH.D. (Economics).
LANGER, RUDOLPH E., PH.D. (Mathematics).
LARDY, HENRY A., PH.D. (Biochemistry).
LARSEN, EDWIN M., PH.D. (Chemistry).
LARSON, ADLOWE L., PH.D. (International Co-operative Training Centre).
LARSON, FRANK C., M.D. (Medicine).
LARSON, LEONARD A., PH.D. (Physical Education).
LAUDON, LOWELL R., PH.D. (Geology).
LAUGHLIN, WILLIAM S., PH.D. (Anthropology).
LEIDEL, FREDERICK O., B.S. (Drawing and Descriptive Geometry).
LEINDORFF, AGNES, M.S. (Home Economics).
LE MASTERS, ERSEL E., PH.D. (Social Work).
LEMBERGER, AUGUST D., PH.D. (Pharmacy).
LEMMER, KENNETH E., M.D. (Surgery).
LENZ, ARNO T., PH.D. (Civil Engineering).
LETTAU, HEINZ H., PH.D. (Meteorology and Civil Engineering).
LÉVÊQUE, ANDRÉ C., PH.D. (French).
LEWIS, HAROLD W., PH.D. (Physics).
LEWIS, WILLIAM C., M.D. (Psychiatry).
LIDDLE, CLIFFORD S., PH.D. (Education).
LIGHTFOOT, EDWIN N., PH.D. (Chemical Engineering).
LINK, KARL P., PH.D. (Biochemistry).
LINKSWILER, HELLEN M., PH.D. (Home Economics).
LINS, L. JOSEPH, PH.D. (Institutional Studies).
LITTLE, J. KENNETH, PH.D., LL.D. (Education).
LOEB, MARTIN B., PH.D. (Social Work).
LOGAN, FREDERICK M., M.A. (Art Education).
LONGENECKER, G. WILLIAM, M.S. (Horticulture).
LOOMER, CHARLES W., PH.D. (Agricultural Economics).
LUCKHARDT, HILMAR F., M.A. (Music).
MCCABE, ROBERT A., PH.D. (Wildlife Management).
MCCAMY, JAMES L., PH.D. (Political Science).
MCCANSE, RALPH A., M.A. (English—Extension Division).
MCCARTY, HAROLD B., M.A. (Radio-Television Education).
MCCOY, ELIZABETH F., PH.D. (Bacteriology).
MCDIVITT, MAXINE E., PH.D. (Home Economics).
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MCSHAN, W. HARTFORD, PH.D. (Zoology).
MANSFIELD, ARTHUR W., M.S. (Athletics and Physical Education—Men).
MANSOOR, MENAHEM, PH.D. (Hebrew Studies).
MARGRAVE, JOHN L., PH.D. (Chemistry).
MARSHALL, DOUGLAS G., PH.D. (Rural Sociology).
MARSHALL, W. ROBERT, PH.D. (Chemical Engineering).
MARTIN, BARCLAY C., PH.D. (Psychology).
MEDLER, JOHN T., PH.D. (Entomology).
MEEKER, DEAN J., M.F.A. (Art and Art Education).
MELOCHE, VILLIERS W., PH.D. (Chemistry).
MENDENHALL, JOHN T., M.D. (Surgery).
MERMIN, SAMUEL, LL.B. (Law).
MEYER, OVID O., M.D. (Medicine).
MEYER, ROLAND K., PH.D. (Zoology).
MILES, ARTHUR P., PH.D. (Social Work).
MILLER, EDWARD E., PH.D. (Physics and Soils).
MILLER, JAMES A., PH.D. (Oncology).
MILLER, MILTON H., M.D. (Psychiatry).
MILLIGAN, EDWARD E., PH.D. (French).
MITCHELL, JOHN E., PH.D. (Plant Pathology).
MITCHELL, RONALD E., M.A. (Speech).
MONCRIEF, JAMES S., JR., B.S. (Military Science).
MOORE, J. DUAIN, PH.D. (Plant Pathology).
MORGAN, J. THEODORE, PH.D. (Economics).
MORRISON, PETER R., PH.D. (Zoology and Physiology).
MORTENSEN, OTTO A., M.D. (Anatomy).
MORTIMER, IVA R., PH.D. (Home Economics).
MORTON, WALTER A., PH.D. (Economics).
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MOSSMAN, HARLAND W., PH.D. (Anatomy).
MOTE, FREDERICK A., PH.D. (Psychology).
MUCKENHIRN, ROBERT J., PH.D. (Soils).
MUELLER, GERALD C., PH.D. (Oncology).
MUELLER, WILLARD F., PH.D. (Agricultural Economics).
MULVIHILL, EDWARD R., PH.D. (Spanish).
MURPHY, QUILLIAN R., JR., PH.D., M.D. (Physiology).
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MYERS, PHILLIP S., PH.D. (Mechanical Engineering).

NAESETH, GERHARD B., M.A. (Library).
NAFZIGER, RALPH O., PH.D. (Journalism).
NEAL, NORMAN P., PH.D. (Agronomy and Genetics).
NEALE-SILVA, EDUARDO, PH.D. (Spanish).
NEILL, WAYNE K., PH.D. (Chemical Engineering).
NELSON, DELMAR W., M.E., M.S. (Mechanical Engineering).
NELSON, HAROLD L., PH.D. (Journalism).
NESS, ORDEAN G., PH.D. (Speech).
NEWCOMB, ELDON H., PH.D. (Botany).
NICHOLS, ROY E., PH.D., D.V.SC. (Veterinary Science).
NIEDERMEIER, ROBERT P., PH.D. (Diary Science).
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NOLAND, LOWELL E., PH.D. (Zoology).

OBERT, EDWARD F., M.S. (Mechanical Engineering).
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ORTH, O. SIDNEY, M.D., PH.D. (Anæsthesiology).
OSTERBROCK, DONALD E., PH.D. (Astronomy).
OZANNE, ROBERT W., PH.D. (Economics).

PALMERI, JOSEPH, PH.D. (French).
PARENT, ROBERT J., M.S. (Electrical Engineering).
PARSONS, KENNETH H., PH.D. (Agricultural Economics).
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PATAU, KLAUS A., PH.D. (Pathology and Medical Genetics).
PAUL, LESTER W., M.D. (Radiology).
PECKHAM, BEN M., M.D., PH.D. (Obstetrics and Gynæcology).
PELLA, MILTON O., PH.D. (Education).
PENN, RAYMOND J., PH.D. (Agricultural Economics).
PENNIMAN, CLARA, PH.D. (Political Science).
PETERS, HARRY B., MUS.DOC. (Music).
PETERSON, HAROLD A., M.S. (Electrical Engineering).
PETERSON, LEROY J., PH.D. (Education).
PETROVICH, MICHAEL B., PH.D. (History).
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PORTER, JOHN W., PH.D. (Physiological Chemistry).
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POUND, GLENN S., PH.D. (Plant Pathology).
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SANCHEZ-BARBUDO, ANTONIO (Spanish).
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SARIG, EMMETT R., M.M. (Music, Agricultural and Extension Education, and Extension).
SARLES, WILLIAM B., PH.D. (Bacteriology).
SAUER, JONATHAN B., PH.D. (Botany).
SCHAARS, MARVIN A., PH.D. (Agricultural Economics).
SCHEIBE, ELMER H., PH.D. (Electrical Engineering).
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SCHMITZ, NORBERT L., PH.D. (Electrical Engineering).
SCHNORE, LEO F., PH.D. (Sociology).
SCHOLL, JESSE M., PH.D. (Agronomy).
SCHUCK, HARRY M., M.A. (Commerce).
SCHULTZ, LORIS H., PH.D. (Dairy Science).
SCHWALBACH, JAMES A., M.S. (Art Education—Extension Division, and Radio-Television Education).
SCHWERDTFEGER, WERNER, PH.D. (Meteorology).
SCOTT, ADOLFE C., A.R.C.A. (Speech).
SEARLES, JOHN R., PH.D. (Education and English).
SEASTONE, CHARLES V., M.D. (Microbiology).
SENN, HAROLD A., PH.D. (Botany).
SEWELL, WILLIAM H., PH.D. (Rural Sociology).
SHAIN, IRVING, PH.D. (Chemistry).
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SIMS, JOHN L., M.D. (Medicine).
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SLEDGE, GEORGE W., ED.D. (Education and Agricultural and Extension Education).
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UNIVERSITY OF WISCONSIN—Milwaukee

3203 N. DOWNER AVENUE,
MILWAUKEE, WISCONSIN

Provost: J. MARTIN KLOTSCHE, PH.D.

Number of teachers: 481.

Number of students: 7,553 day students, 1,801 evening students.

DEANS, ETC.:

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MARSHALL, JAMES F., PH.D. (French and Italian).
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WEIL, HERMAN, PH.D. (Psychology).
WHITFORD, PHILIP B., PH.D. (Botany).
WILNER, ORTHA L., PH.D. (Classics).
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WITTENBERG UNIVERSITY

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Vice-President and Treasurer: ROLAND C. MATTHIES, J.D.
Registrar: ROBERT DONBAR, M.ED.
Librarian: Miss ILO FISHER.

Number of teachers: 140 full-time, 89 part-time.
Number of students: 1,928 undergraduate, other divisions 2,850.
Publications: *The Wittenberg Bulletin, This is Wittenberg, The Wittenberg Alumnus.*

DEANS:

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Hamma Divinity School: Dr. BERNHARD H. HILLILA, ED.D.
School of Community Education: A. EDWARD PATMOS, M.A.

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Registrar: H. DIXON SMITH, PH.D.
Business Manager: ELLIOTT G. HAYS, B.S.
Librarian: RAY W. FRANTZ, Jr., PH.D.

The library contains 311,973 volumes.
Number of teachers: 348.
Number of students: 3,327 men, 1,522 women, total 4,849.
Publications: University *Bulletin* (four annually), *Agricultural Experimental Station Bulletin* (twelve to twenty annually), *Geological Survey Bulletins, Natural Resources Research Institute Bulletins.*

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Secretary: JEREMIAH J. O'CALLAGHAN, S.J.
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Librarian: ALBERT J. WORST.

The library contains 111,357 volumes.
Number of teachers: 215.
Number of students: 4,004 men, 844 women, total 4,848.
Publications: *Xavier University News, Xavier Athenaeum* (quarterly), *The Musketeer Annual, The Alumni Newsletter, The Athletic Review.*

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YALE UNIVERSITY

NEW HAVEN, CONNECTICUT

Founded in 1701, named Yale College in 1718. Transition to University began in 1810 with the founding of the Medical Institution. In 1861 the Graduate School granted the first Ph.D. degree conferred in America.

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Library: *see* Libraries.
Faculty: Emeritus 133, full-time 1,103, officers of administration, etc. 186.
Number of students: 8,221.
Publications: *Yale Review, Yale Journal of Biology and Medicine, Yale Law Journal, Yale Alumni Magazine, American Journal of Science, Library Gazette, Bulletin of Art Gallery Associates, Studies on International Problems, American Scientist, American Sociological Review, Journal of American Oriental Society, Journal of Biological Chemistry, Yale Divinity News, Review of Metaphysics.*

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Assistant Dean: Nathaniel Reed, b.a.
Dean of Admission: Eugene S. Wilson, b.a.
Assistant Dean of Admission: Cortland van Rensselaer Halsey, ph.d.

The library contains 340,000 volumes.
Number of teachers: 131.
Number of students: 1,080 men only.

Full Professors:

Arons, Arnold B., ph.d. (Physics).
Bain, George William, ph.d. (Mineralogy and Geology).
Baird, Theodore, ph.d. (English).
Beebe, Ralph Alonzo, ph.d. (Chemistry).
Benson, Bruce B., ph.d. (Physics).
Breusch, Robert Hermann, ph.d. (Mathematics).
Brown, Bailey L., m.a. (Mathematics).
Brown, Stephen, m.d. (College Physician).
Commager, Henry Steele, ph.d. (History and American Studies).
Coplin, Haskell Robert, ph.d. (Psychology).
Craig, George Armour, ph.d. (English).
De Mott, Benjamin H., ph.d. (English).
Eckley, Paul W., m.a. (Physical Education).
Epstein, Joseph, ph.d. (Philosophy).
French, Reginald F., ph.d. (Romance Languages).
Funnell, George Banks, m.a. (French).
Havighurst, Alfred Freeman, ph.d. (History).
Humphries, George Rolfe, m.a. (English).
Johnson, Ernest Alfred, ph.d. (Romance Languages).
Kennedy, Gail, ph.d. (Philosophy).
Kennick, William Elmer, ph.d. (Philosophy).
Kidder, George W., ph.d., sc.d. (Biology).
Koester, Theodore, ph.d. (Psychology).
Latham, Earl, ph.d. (Political Science).
Linnell, Albert Paul, ph.d. (Astronomy).
Lumley, Albert E., m.a. (Physical Education).
McKeon, Newton Felch, Jr., b.a. (English).
Marx, Leo, ph.d. (American Studies and English).
McGoun, Ralph Cleland, Jr., m.a. (Dramatic Arts).
Mishkin, Henry George, ph.d. (Music).
Moore, John Andrew, m.a. (Classics).
Morgan, Charles Hill, ph.d., l.h.d. (Fine Arts).
Morgan, F. Bruce, th.d. (Religion).
Morgan, Vincent, mus.m. (Music).
Nelson, James Rodney, ph.d. (Economics).
Peppard, Murray Bisbee, ph.d. (German).
Richardson, Ellsworth Elliott, m.a. (Physical Education).
Rogers, Charles Ensign, m.a. (Fine Arts and Dramatic Arts).
Rostas, Steven Martin, m.ed. (Physical Education).
Rozwenc, Edwin C., ph.d. (History).
Scenna, Anthony, ph.d. (German).
Schotté, Oscar Emile, sc.d. (Biology).
Soller, Theodore, ph.d. (Physics).
Sprague, Atherton Hall, ph.d. (Mathematics).
Taylor, George Rogers, ph.d. (Economics).
Thorp, Willard L., ll.d., ph.d. (Economics).
Towne, Dudley Herbert, ph.d. (Physics).
Trapp, Frank Anderson, ph.d. (Fine Arts).
Turgeon, Frederick King, ph.d. (French).
Warne, Colston Estey, ph.d. (Economics).
Whitney, Robert Byron, ph.d. (Chemistry).
Wilson, Richard E., m.ed. (Physical Education).
Wood, Albert Elmer, ph.d. (Biology).
Ziegler, Benjamin M., ll.b., ph.d. (Political Science).

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ANTIOCH COLLEGE

YELLOW SPRINGS, OHIO

President: James P. Dixon.
Vice-Presidents: J. D. Dawson, Morton Rauh.
Registrar: Miriam Dickinson.
Librarian: Paul Bixler.

Number of students: 1,650.

AUGUSTANA COLLEGE

ROCK ISLAND, ILLINOIS

Founded 1860

President: Clarence W. Sorensen.
Vice-President: Dr. George B. Arbaugh.
Librarian: Ernest Espelie.

The library contains 104,940 volumes.
Number of teachers: 95 full-time, 21 part-time, 26 professors.
Number of students: 1,573.

Deans:

College of Liberal Arts: Dr. George B. Arbaugh.
Women: Miss Betsey Brodahl.
Men: Harry S. B. Johnson.
Public Relations: Frank F. Telleen (*Director*).
Summer School and Teacher Placement Bureau: Dr. Richard A. Barnes (*Director*).
Records and Registration: Mrs. Lucile G. Fryxell (*Director*).
Admissions: Polly Fehlman (*Director*).
Evening School: Donald W. Peterson (*Director*).

AUSTIN COLLEGE

SHERMAN, TEXAS

Founded 1849.

Four-year Liberal Arts Co-educational Christian College.

President: John Dean Moseley.
Dean: Leo L. Nussbaum.
Director of Business Affairs: T. Ellis Lockhart.
Registrar: J. Forrest Bryant.
Dean of Students: Richard E. Bjork.

Number of teachers: full-time, 68; part-time, 11.
Number of students: full-time, 775; part-time, 225.

BARD COLLEGE

ANNANDALE-ON-HUDSON, NEW YORK

Founded 1860

President: Rev. Reamer Kline, M.A., D.D.
Business Manager: William M. Asip, M.A.
Registrar: Elsie L. Quinn.
Dean: Harold L. Hodgkinson.
Director of Admissions: Robert W. Herdman.
Librarian: Marion E. Vosburgh.

The library contains over 69,000 volumes.
Number of teachers: 53.
Number of students: 180 men, 180 women, total 360.

BEAVER COLLEGE

GLENSIDE, PENNSYLVANIA

Founded 1853

President: Edward D. Gates, B.D., Ph.D.
Registrar: Ruth S. Lindemann, A.B.
Director of Admissions: Marjorie Darling, B.S. in Ed.
Comptroller: Thomas Barlow, B.S.
Librarian: Elizabeth L. Hammond, M.S. in Ed.

The library contains approximately 42,269 volumes.
Number of teachers: 68, including 17 professors.
Number of students: 707 women.
Publications: *The Catalog, View Book, Beaver Bulletins, Alumnae Journal.*

Deans:

College: Margaret F. LeClair, Ph.D.
Students: Florence Brown Plummer, M.A.

BELOIT COLLEGE

BELOIT, WISCONSIN

Chartered 1846.

President: Miller Upton, Ph.D.
Vice-President for Business Operations: Donald Marburg, B.S.
Vice-President for Development: Paul A. Pratt, B.A.
Secretary: Arthur B. Adams.
Dean: Ivan M. Stone.
Dean of Students: John P. Gwin.

Number of teachers: 108.
Number of students: 1,046.
Publications: *The Round Table* (weekly), *The Gold* (annual), *The Bulletin of Beloit College* (two monthly), *Alma Mater* (quarterly), *Trends* (quarterly), *President's Report* (annual).

BENNINGTON COLLEGE

BENNINGTON, VERMONT

Chartered 1925.

President: William C. Fels.
Director of Admissions: John L. Handy, Jr.
Director of Student Personnel: Jean E. Miller.
Business Manager: Stanley R. Pike, Jr.
Librarian: Mary S. Hopkins.

The library contains 44,000 volumes.
Number of teachers: 57.
Number of students: 350.

Deans:

Faculty: Harry W. Pearsgn.
Studies: Wallace P. Scott.

BEREA COLLEGE

BEREA, KENTUCKY

Founded 1855

President: Francis S. Hutchins.
Vice-President, Business: Lawrence D. Bibbee.
Registrar: Virginia Auvil.
Librarian: Elizabeth D. Gilbert.

The library contains 148,000 volumes.
Number of teachers: 121, including 26 professors.
Number of students: 654 men, 728 women, total 1,382.

Deans:

College: Louis Smith.
Women: Miriam McReynolds.
Men: James Orwig.
Associate Dean: Kenneth H. Thompson.
Labour: Wilson Evans.

BERRY COLLEGE

MOUNT BERRY, GEORGIA

Founded 1902.

President: John R. Bertrand.
Dean of Students: E. B. Hatcher.
Academic Dean: John R. Timmerman.

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Registrar: D. WILSON.
Business Manager: RICHARD H. MCCLOSKEY.
Dean of Women: BETTY BARBOUR.
Dean of Men: T. C. GLOVER.

Number of teachers: 52.
Number of students: 800.

BETHANY COLLEGE

BETHANY, WEST VIRGINIA

Founded 1840

President: Dr. PERRY EPLER GRESHAM.
Dean of Faculty: DAVID F. ROSS.
Vice-President and Treasurer: WARNER G. PETERSON.
Registrar: LUTA M. GORDON.
Director of Admissions: JOHN GRAHAM.
Librarian: JOHN CLOPINE.

The library contains 75,000 volumes.
Number of teachers: 45, including 16 professors.
Number of students: 850.

Publications: *The Literary Harbinger, The Bethanian, The Tower.*

DEANS:

Students: ROBERT SANDERCOX.
Women: DARLENE NICHOLSON.

BETHEL COLLEGE AND SEMINARY

ST. PAUL, MINNESOTA

Founded 1871

School of the Baptist General Conference.

Four year liberal arts co-educational Christian College and graduate Theological Seminary.

President: CARL H. LUNDQUIST, B.A., B.D., TH.D., D.D.
Dean of Seminary: EDWIN J. OMARK, B.A., TH.B., B.D., M.A.
Dean of College: CLIFFORD E. LARSON, B.A., B.D., PH.D.
Librarian: DAVID GUSTON, B.S., B.D., M.A.L.S.

The library contains 70,000 volumes.

Number of teachers: 48 full-time, 16 part-time.
Number of students: 489 men, 309 women.

Publications: *College Catalog, Theological Seminary Catalog, The Spire* (annual), *Bethel Seminary Quarterly, Faculty Journal, The Clarion* (bi-weekly), *Sketch.*

BIRMINGHAM—SOUTHERN COLLEGE

BIRMINGHAM, ALABAMA

Southern University founded in Greensboro 1856, Birmingham College opened 1898; consolidated as Birmingham—Southern College 1918.

President: (Vacant).
Registrar: RALPH M. TANNER.
Bursar: ROBERT H. WALSTON, A.B.
Treasurer: NEWMAN M. YEILDING, A.B.
Librarian: MARGARET HARVEY HUGHES, M.S.

Number of teachers: 68.
Number of students: 615 men, 474 women, total 1,089.

DEANS:

College: CECIL E. ABERNETHY, A.M., PH.D.
Women: ELIZABETH B. COTHRAN, A.B., M.A.

BOSTON COLLEGE

CHESTNUT HILL, MASSACHUSETTS

Founded 1863 by the Society of Jesus

President: Rev. MICHAEL P. WALSH, S.J., PH.D.
Vice-President and Treasurer: Rev. THOMAS FLEMING, S.J.
Academic Vice-President: Rev. CHARLES J. DONOVAN, S.J.
Director of Libraries: Rev. BRENDAN C. CONNOLLY, S.J.

The library contains 600,098 volumes.
Number of teachers: 710, including 80 full professors.
Number of students: 7,587 men, 4,073 women, total 11,660.

Publications: *Heights, Stylus, Humanities, The Scope, Annual Survey of Massachusetts Law, Industrial and Commercial Law Review, Journal of Business, Cosmos.*

DEANS:

College of Arts and Sciences: Rev. JOHN A. MCCARTHY, S.J., A.M., S.T.L.
Graduate School of Arts and Sciences: Rev. JOSEPH A. DEVENNY, S.J., PH.D.
College of Business Administration: Rev. W. SEAVEY JOYCE, S.J., PH.D.
Graduate School of Business Administration: Rev. W. SEAVEY JOYCE, S.J., PH.D.
Evening College of Arts, Sciences, and Business Administration: Rev. CHARLES M. CROWLEY, S.J., A.M., M.S.
School of Education: Rev. CHARLES F. DONOVAN, S.J., PH.D.
School of Nursing: RITA P. KELLEHER, R.N., M.ED.
Law School: Rev. ROBERT F. DRINAN, S.J., LL.M.
School of Social Work: Rev. JOHN V. DRISCOLL, S.J., PH.D.
Summer Session: Rev. ROBERT F. HOEY, S.J., A.M.
School of Liberal Arts, Lenox, Mass.: Rev. PATRICK A. SULLIVAN, S.J., PH.D.
School of Philosophy, Weston, Mass.: Rev. REGINALD F. O'NEILL, S.J., PH.D.
School of Theology, Weston, Mass.: Rev. LEO J. MCGOVERN, S.J., S.T.D.

PROFESSORS:

ANDREWS, MARIE S., R.N., M.S. (Nursing).
BORNSTEIN, JOSEPH, PH.D. (Chemistry).
BOULANGER, PAUL A., PH.D. (Modern Languages).
BOURNEUF, ALICE E., PH.D. (Economics).
BROCK, Rev. HENRY M., S.J., PH.D. (Physics).
CASPER, LEONARD R., PH.D. (English).
COLLINS, Rev. JOHN J., S.J., S.S.L. (Scripture).
COTTLE, WILLIAM C., D.ED. (Education).
CREEDEN, Rev. DANIEL F., S.J., S.T.D. (Theology).
CROWLEY, Rev. JOHN J., S.J., J.C.D. (Canon Law).
DEBETHUNE, ANDRE J., PH.D. (Chemistry).
DEVLIN, PAUL, M.B.A., C.P.A. (Accounting).
DOLAN, Rev. JAMES H., S.J., PH.D. (Philosophy).
DONAGHY, Rev. WILLIAM A., S.J., PH.L., S.T.L., L.H.D. (HON) (Theology).
DONOVAN, Rev. CHARLES F., S.J., PH.D. (Education).
DONOVAN, JOHN D., PH.D. (Sociology).
DOUGLAS, Rev. EDWARD T., S.J., A.M. (Theology).
DRINAN, Rev. ROBERT F., S.J., LL.M. (Law).
DRUMMOND, Rev. WILLIAM F., S.J., PH.D. (Philosophy).
DUFFY, Rev. JAMES L., S.J., PH.D. (Philosophy).
DULLEA, Rev. MAURICE V., S.J., A.M. (Theology).
DUNCAN, Rev. ALEXANDER G., S.J., PH.D. (Philosophy).
DUNN, JAMES O., M.B.A., C.P.A. (Accounting).
DZIEWANOWSKI, M. KAMIL, PH.D. (History).
EICHORN, JOHN R., ED.D. (Education).
FITZGERALD, Rev. WILLIAM E., S.J., PH.D. (Philosophy).
FLAHERTY, Rev. FRANCIS, S.J., PH.D. (Philosophy).
FLANAGAN, Rev. ROBERT P., S.J., PH.D. (Philosophy).
GALLAGHER, DONALD A., PH.D. (Philosophy).
GLYNN, ARTHUR L., LL.B., M.B.A., C.P.A. (Accounting).
GRIMES, WENDELL F., A.B., LL.B. (Law).
HART, FREDERICK M., LL.M. (Law).
HIRSH, EDWARD L., PH.D. (English).
HUBER, RICHARD G., LL.M. (Law).
HUGHES, KENNETH B., LL.M. (Law).
HUGHES, RICHARD E., PH.D. (English).

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JOSEPHINA, Sister MARY, C.S.J., D.ED. (Education).
KELLEHER, RITA, R.N., M.ED. (Nursing).
KENEALY, Rev. WILLIAM J., S.J., LL.B., PH.D. (Law).
KOCH, EDWARD G., PH.D. (Business Administration).
LINEHAN, Rev. DANIEL, S.J., A.M., M.S., L.H.D. (HON.), D.SC. (HON.) (Geophysics).
LONG, Rev. JOHN J., S.J., A.M., S.T.L. (Theology).
LOW, Rev. FRANCIS E., S.J., PH.D. (Philosophy).
MAGUIRE, JOSEPH P., PH.D. (Classics).
MARCOU, RENE J., PH.D. (Mathematics).
McCAULEY, Rev. LEO P., S.J., PH.D. (Classics).
McCROSSEN, VINCENT A., PH.D. (Modern Languages).
McGUINN, Rev. ALBERT F., S.J., PH.D., D.SC. (HON). (Chemistry).
MORIARTY, Rev. FREDERICK L., S.J., S.T.D. (Scripture).
MOYNIHAN, Rev. JAMES F., S.J., PH.D. (Psychology).
NEHLS, EDWARD H., PH.D. (English).
O'BRIEN, Rev. JOHN A., S.J., PH.D. (Philosophy).
O'CALLAGHAN, Rev. JOHN A., S.J., PH.D. (English).
O'CONNELL, Rev. JOHN C., S.J., PH.D. (Sociology).
O'DONNELL, DAVID C., PH.D. (Chemistry).
O'KEEFE, WILLIAM J., A.B., LL.B., LL.D. (HON.) (Law).
O'MAHONY, Rev. TIMOTHY J., S.J., PH.D. (Philosophy).
O'REILLY, JOHN D., Jr., LL.M. (Law).
POWER, EDWARD J., PH.D. (Education).
QUINLAN, MAURICE J., PH.D. (English).
REINHALTER, Rev. OSWALD A., S.J., A.M. (Classics).
ROACH, STEPHEN F., PH.D. (Education).
ROUSSEVE, FERDINAND L., PH.D. (Fine Arts).
SCHNEIDERS, ALEXANDER A., PH.D. (Education).
SHAW, JAMES E., LL.M., M.B.A. (Business Law).
SHEA, Rev. JOSEPH E., S.J., PH.D. (Theology).
SHEA, Rev. RICHARD G., S.J., A.M., S.T.L. (Theology).
SICILIANO, ERNEST A., PH.D. (Modern Languages).
SLIZEWSKI, EMIL, A.B., LL.B. (Law).
SULLIVAN, JOSEPH A., PH.D. (Mathematics).
SULLIVAN, RICHARD S., LL.M. (Law).
SULLIVAN, Rev. WILLIAM D., S.J., PH.D. (Biology).
TANG, PETER S. H., PH.D. (Government).
TOOLIN, Rev. FRANCIS J., S.J., PH.D. (Philosophy).
VON FELSINGER, JOHN, PH.D. (Psychology).
VON RICHTHOFEN, ERICH, PH.D. (Modern Languages).
WEISER, Rev. FRANCIS X., S.J., S.T.D. (Philosophy).
WHITE, DONALD J., PH.D. (Economics).
WHITE, FREDERICK E., PH.D. (Physics).
WOOD, Lt.-Col. JOHN C., Jr., U.S.A., A.B. (Military Science).

BOWDOIN COLLEGE

BRUNSWICK, MAINE

Incorporated 1794

President: JAMES S. COLES, PH.D., D.SC., LL.D.
Assistant to the President: PHILIP S. WILDER, ED.M.
Treasurer: CHARLES W. ALLEN, A.B., J.D.
Registrar: Miss HELEN B. JOHNSON.
Bursar: THOMAS M. LIBBY, A.B.
Dean of College: NATHANIEL C. KENDRICK, PH.D.
Dean of Students: A. LE ROY GREASON, PH.D.
Librarian: RICHARD B. HARWELL, A.B.L.S.

The library contains 265,000 volumes.
Number of teachers: 80.
Number of students: 825 men.

Publications: *Bowdoin Alumnus* (bi-monthly), *Bowdoin College Bulletin* (yearly).

BROOKLYN COLLEGE

BROOKLYN 10, NEW YORK

Established 1930 by combining Brooklyn Centres of City College and Hunter Colleges.

(*see* City University of New York).

BRYN MAWR COLLEGE

BRYN MAWR, PENNSYLVANIA

Incorporated 1885.

President: KATHARINE E. McBRIDE, PH.D., LL.D., L.H.D., SC.D.
Comptroller: PAUL W. KLUG, C.P.A., B.S.
Librarian: JANET M. AGNEW, M.A.
Recorder: MARIAN C. ANDERSON, B.S.

The library contains 275,000 volumes.

Number of students (1962-63): 714 undergraduates (women only), 312 post-graduates (men and women), total 1,026.

DEANS:

Dean of Graduate School: ELEANOR A. BLISS, SC.D.
Dean of the College: DOROTHY NEPPER MARSHALL, PH.D.
Director of Admissions: ANNIE LEIGH BROUGHTON, M.A.

PROFESSORS:

BERLINER, ERNST, PH.D. (Chemistry).
BERRY, L. JOE, PH.D. (Biology).
BITTERMAN, MORTON E., PH.D. (Psychology).
BLISS, ELEANOR A., SC.D. (Biology).
BROUGHTON, T. ROBERT S., PH.D. (Latin).
COX, RACHEL DUNAWAY, PH.D. (Education).
deLAGUNA, FREDERICA, PH.D. (Anthropology).
DRYDEN, A. LINCOLN, PH.D. (Geology).
FERRATER MORA, JOSÉ, LIC. EN FIL. (Philosophy).
GARDINER, MARY S., PH.D. (Biology).
GOODALE, ROBERT L., B.MUS. (Music).
HUBBARD, JOSHUA, PH.D. (Economics).
JAMBOR, AGI, M.A. (Music).
LANG, MABEL L., PH.D. (Greek).
LATTIMORE, RICHARD, PH.D. (Greek).
LEBLANC, HUGUES, PH.D. (Philosophy).
LEHR, MARGUERITE, PH.D. (Mathematics).
LOGRASSO, ANGELINE, PH.D. (Italian).
LOWER, KATHERINE D. K., PH.D. (Social Work and Research).
MARTI, BERTHE, PH.D. (Latin).
MELLINK, MACHTELD J., PH.D. (Classical and Near Eastern Archæology).
MICHELS, AGNES K. L., PH.D. (Latin).
MICHELS, WALTER C., PH.D. (Physics).
MITCHELL, CHARLES, B.LITT. (History of Art).
NAHM, MILTON C., PH.D. (Philosophy).
NORTHROP, MILDRED B., PH.D. (Economics).
OPPENHEIMER, JANE, PH.D. (Biology).
OXTOBY, JOHN C., M.A. (Mathematics).
ROBBINS, CAROLINE, PH.D. (History).
ROSS, BERNARD, M.S.S.A., PH.D. (Social Work and Social Research).
SPRAGUE, ARTHUR C., PH.D. (English).
STAPLETON, K. LAURENCE, A.B. (English and Political Theory).
STEARNS, ISABEL S., PH.D. (Philosophy).
WATSON, EDWARD H., PH.D. (Geology).
WELLS, ROGER HEWES, PH.D. (Political Science).
WOODWORTH, MARY KATHARINE, PH.D. (English).
WYCKOFF, DOROTHY, PH.D. (Geology).

CARLETON COLLEGE

NORTHFIELD, MINNESOTA

Founded 1866 by Board of Trustees appointed by the Minnesota Conference of Congregational Churches; Independent.

President: JOHN W. NASON, B.A., M.A., LITT.D., L.H.D., LL.D.
Vice-President and Treasurer: FRANK I. WRIGHT, B.A.
Registrar: DONALD H. KLINEFELTER, M.A.
Librarian: JAMES H. RICHARDS, Jr., M.A., B.S.

The library contains 190,000 volumes.
Number of teachers: 115.
Number of students: 784 men, 543 women total 1,327.

DEANS:

College: RICHARD C. GILMAN, B.A., B.D., PH.D.
Men: MERRILL E. JARCHOW, B.A., M.A., PH.D.
Women: M. LEITH SHACKEL, B.A., M.A., PH.D.

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CENTRAL METHODIST COLLEGE
FAYETTE, MISSOURI

Founded 1854

President: Ralph L. Woodward, D.D.
Dean: Everet C. Buckner, PH.D.
Librarian: J. McRee Elrod, A.M.

Number of teachers: 54, including 13 professors.
Number of students: 499 men, 317 women, total 816.
Publication: *Bulletin*.

Deans:

Men: James Thogmorton, A.M.
Women: Margie M. Watson, A.M.

COLLEGE OF CHARLESTON
CHARLESTON, SOUTH CAROLINA

Founded 1770; Chartered 1785.

President: George D. Grice, A.M., LL.D.
Treasurer: Julius E. Burges.
Dean: E. E. Towell, PH.D.
Registrar: (Vacant).
Librarian: Mary Vaughn Powers, M.A., B.S.L.S.

Number of teachers: 24.
Number of students: 582.

CITY COLLEGE OF THE CITY OF NEW YORK
NEW YORK 31, N.Y.

Founded 1847

(*see* City University of New York).

CLAREMONT GRADUATE SCHOOL AND UNIVERSITY CENTER
HARPER HALL, CLAREMONT, CALIFORNIA

Telephone: NATional 6-8511

Founded 1925

President: Dr. Louis T. Benezet.
Assistant to President: W. Mark Durley, Jr.
Registrar: Mrs. Lily Scott.
Librarian: David W. Davies.
Dean of the Graduate School Faculty: Dr. W. Bayard Taylor.

Number of teachers: 184 (including 48 full and associate professors, 28 part-time professors, and 108 part-time professors from the undergraduate colleges).

Number of students: 757.

CLEMSON AGRICULTURAL COLLEGE
CLEMSON, SOUTH CAROLINA

Founded 1889

President: Robert Cook Edwards, B.S., LL.D.
Dean of the College: Jack Kenny Williams, PH.D.
Dean of Student Affairs: Walter Thompson Cox, B.S.
Comptroller: Melford A. Wilson, B.S.
Vice-President of Development: Frank Johnstone Jervey, B.S., D.SC.
Director of Agricultural Training: Jess Willard Jones, PH.D.
Registrar: Kenneth Notley Vickery, B.S.
Librarian: John Wallace Gordon Gourlay, A.M.L.S.

Deans:

School of Agriculture: William Henry Wiley, PH.D.
School of Architecture: Harlan Ewart McClure, M.ARCH.
School of Arts and Sciences: Howard Louis Hunter, PH.D.
School of Engineering: Linvil Gene Rich, PH.D.
School of Textiles: Gaston Gage, M.ED.
Graduate School: Hugh Holleman Macaulay, PH.D.

The library contains over 200,000 volumes.
Number of teachers: 377 (of these 230 are full-time).
Number of students: 4,104.

COLBY COLLEGE
WATERVILLE, MAINE

Founded 1813

President: Robert E. L. Strider.
Vice-President: Ralph S. Williams.
Treasurer: Arthur W. Seepe.
Librarian: John R. McKenna.

Number of teachers: 112, including 25 professors.
Number of students: 765 men, 493 women, total 1,258.
Publications: *Bulletin*, *About Colby*.

Deans:

Faculty: E. Parker Johnson.
Men: George T. Nickerson.
Women: Frances F. Seaman.

COLORADO COLLEGE
COLORADO SPRINGS, COLORADO

Chartered 1874.

President: Dr. Louis T. Benezet.
Business Manager: Robert W. Broughton.
Registrar: Mrs. M. E. Scoggin.

Number of teachers: 107.
Number of students: 1,327.

Deans:

College: Dr. L. E. Worner.
Admissions: Richard E. Wood.
Summer School: Dr. Fred Sondermann (*Director*).
Women: Christine S. Moon.
Men: Juan Reid.

COLORADO SCHOOL OF MINES
GOLDEN, COLORADO

Telephone: CR 9-3381

Founded 1874

A college of mineral engineering.

President: John W. Vanderwilt.
Dean of Faculty: Truman H. Kuhn.
Business Manager: Gurnett Steinhauer.
Assistant to the President for Public Relations and Development: James G. Robinson.
Dean of Graduate School: Raymond A. Jordan.
Dean of Students and Registrar: William V. Burger.
Director of Admissions: H. Dean Burdick.
Librarian: Virginia Lee Wilcox.

Number of teachers: 107.
Number of students: 1,046.
Publication: *Mineral Industries Bulletin* (quarterly).

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COLORADO STATE COLLEGE
GREELEY, COLORADO

Founded 1890 as the State Normal School; name changed by State legislature to Colorado State Teachers' College 1911; in 1935 the name was changed to Colorado State College of Education; present name adopted in 1957 by the State legislature.

President: WILLIAM ROBERT ROSS, PH.D.
Dean of the College: DONALD GILMORE DECKER, PH.D.
Registrar: GEORGE FRANKLIN SANDERSON, A.M.
Controller: GLEN CORBIN TURNER, M.B.A.
Librarian: DANIEL ALBERT SEAGER, A.M.

Number of teachers: 214.
Number of students: 2,062 men, 2,295 women, total 4,357.
Publication: *Bulletin.*

ADMINISTRATION:

Division of Air Science: Lt. Col. CALVIN E. EVANS, U.S.A.F.
Division of the Arts: KENNETH FREDERICK PERRY, PH.D. (*Chairman*).
Division of Education: EDWARD JAMES KELLY, PH.D. (*Chairman*).
Division of Health: LONIS C. BUTLER, ED.D. (*Chairman*).
Division of Humanities: NEAL MILLER CROSS, ED.D. (*Chairman*).
Division of Music: ESTELL ELGAR MOHR, ED.D. (*Chairman*).
Division of Sciences: HARLEY FREMONT GLIDDEN, PH.D. (*Chairman*).
Division of Social Studies: LESLIE DAY ZELENY, PH.D. (*Chairman*).
Graduate Division: SAMUEL GERALD GATES, ED.D. (*Dean*).
College Laboratory School: LEROY RAYMOND KERNS, A.M. (*Director*).
Dean of Students: JACK SHAW, PH.D.
Dean of Men: NORMAN T. OPPELT, PH.D.
Dean of Women: JUNE E. STUCKEY, A.M.

CONNECTICUT COLLEGE FOR WOMEN
NEW LONDON, CONNECTICUT

Chartered as Thames College 1911; name changed same year.
(Non-Sectarian)

President: Dr. CHARLES E. SHAIN.
Bursar: RUTH RABORN, M.A.
Registrar: RITA BARNARD, M.B.A.
Director of Admission: M. ROBERT COBBLEDICK, PH.D.
Director of Graduate Studies: KATHERINE FINNEY, PH.D.
Librarian: HAZEL A. JOHNSON, A.M., B.L.S.

The library contains 190,743 volumes.
Number of teachers: 133.
Number of students: 1,342.

DEANS:

Students and Co-ordinator of Student Advising: GERTRUDE E. NOYES, PH.D.
Freshmen: ALICE JOHNSON, PH.D.
Sophomores: M. GERTRUDE MCKEON, PH.D.
Dean of Administration: WARRINE EASTBURN, M.A.

COOPER UNION FOR THE ADVANCEMENT OF SCIENCE AND ART, THE
COOPER SQUARE, NEW YORK 3, N.Y.

Founded 1859.

President: RICHARD F. HUMPHREYS.
Chairman: ARTHUR A. HOUGHTON, Jr.
Treasurer: SHERIDAN A. LOGAN.
Registrar, Director of Admissions: WALTER S. WATSON.
Secretary and Business Officer: Miss ELIZABETH J. CARBON.
Librarian: FRED H. GRAVES.
Director of the Museum: CALVIN S. HATHAWAY.
Director of Adult Education: JOHNSON E. FAIRCHILD.

The library contains 93,000 volumes.
Number of teachers: 151.
Number of students: 1,300.
Publication: *Annual Report.*

DEANS:

School of Art and Architecture: ESMOND SHAW.
School of Engineering: AARON J. TELLER.

THE CURTIS INSTITUTE OF MUSIC
RITTENHOUSE SQUARE, PHILADELPHIA, 3

President: MARY CURTIS ZIMBALIST.
Director: EFREM ZIMBALIST.
Registrar: Mrs. ANNE O. SMITH.

Number of students: 127.

DARTMOUTH COLLEGE
HANOVER, NEW HAMPSHIRE

Founded 1769.

President: JOHN SLOAN DICKEY, A.B., LL.D.
Provost: JOHN W. MASLAND, PH.D.
Secretary: SIDNEY C. HAYWARD, A.M.
Registrar: ROBIN ROBINSON, PH.D.
Librarian: RICHARD WEDGE MORIN, A.B., LL.B.

Number of teachers: 309, including 170 professors.
Number of students: 3,456 men only.

DEANS:

College: THADDEUS SEYMOUR, PH.D.
Faculty: (To be appointed).
Freshmen: ALBERT I. DICKERSON, A.M., A.B.
Medical School: GILBERT HORTON MUDGE, M.D., MED.SC.D.
Thayer School of Engineering: MYRON TRIBUS, PH.D.
Amos Tuck School of Business Administration: KARL ALLEN HILL, M.C.S.
Admissions: EDWARD T. CHAMBERLAIN, Jr., A.M. (*Director*).

PROFESSORS:

ADAMS, JOHN CLINTON, PH.D. (History).
ALLEN, CHAUNCEY NEWELL, PH.D. (Psychology).
AMSDEN, JOHN PAGE, PH.D. (Chemistry).
ARNOLD, NORMAN KIEFER, PH.D. (Zoology).
BALLARD, WILLIAM WHITNEY, PH.D. (Zoology).
BARCHARD, CHARLES NAAMAN, B.S. (Air Science).
BARRATT, RAYMOND WILLIAM, PH.D. (Botany).
BARTLETT, DONALD, M.A. (Biography).
BEAR, ROBERT MURRAY, PH.D. (Psychology).
BERTHOLD, FRED, PH.D. (Religion).
BOND, HAROLD LEWIS, PH.D. (English).
BORMANN, FREDERICK HERBERT, PH.D. (Botany).
BOWEN, DOUGLAS MALCOMSON, PH.D. (Chemistry).
BOWEN, WILFRED WEDGEWOOD (Zoology).
BROWN, EDWARD STICKNEY, Jr., S.M. (Civil Engineering).
CARLSON, ALBERT SIGFRID, PH.D. (Geography).
CARTER, WILLIAM AMBROSE, A.M. (Economics).
CHAN, WING-TSIT, A.M., PH.D. (Chinese Culture).
CHOUKAS, MICHAEL EUGENE, PH.D. (Sociology).
CHRISTY, ROBERT WENTWORTH, PH.D. (Physics).
CLANCY, JAMES HARVEY, PH.D. (English).
COPENHAVER, JOHN HARRISON, Jr., PH.D. (Biology).
CUSICK, JAMES FRANCIS, PH.D. (Economics).
DANKERT, CLYDE EDWARD, PH.D. (Economics).
DEWING, ARTHUR, A.M. (English).
DILLER, GEORGE E., PH.D. (French).
DIMITROFF, GEORGE Z., PH.D. (Astronomy).
EBERHART, RICHARD GHORMLEY, M.A. (English).
EHRMANN, HENRY WALTER, JUR.D. (Government).
ELDREDGE, HANFORD W., PH.D. (Sociology).

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ENGLAND, CARL DAVID, A.M. (Speech).
ENGLISH, VAN HARVEY, PH.D. (Geography).
ERMENC, JOSEPH JOHN, M.S. (Mechanical Engineering).
FALK, EUGENE H., PH.D. (Romance Languages).
FINCH, JOHN W., M.A. (English).
FOLEY, ALLEN RICHARD, A.M. (History).
FOLGER, JOSEPH BUTLER, Jr., A.M. (Spanish).
FORSTER, ROY PHILIP, PH.D. (Zoology).
GRAMLICH, FRANCIS W., PH.D. (Philosophy).
HALL, VERNON, Jr., PH.D. (Comparative Literature).
HARP, ELMER, Jr., PH.D. (Anthropology).
HARVEY, LAWRENCE ELLIOTT, PH.D. (Romance Languages).
HILL, HERBERT WELLS, A.M. (History).
HINES, LAWRENCE GREGORY, PH.D. (Economics).
HUNTER, EDGAR HAYES, Jr., A.M. (Architectural Design).
HURD, JOHN, A.M. (English).
IVES, ALMON BINGHAM, M.A. (Speech).
JENSEN, ARTHUR EUGENE, PH.D. (English).
KEMENY, JOHN GEORGE, PH.D. (Mathematics).
KIMBALL, WILLIAM PHELPS, A.M. (Civil Engineering).
KING, ALLEN LEWIS, PH.D. (Physics).
KING, FRANCIS W., PH.D. (Psychology).
LATHROP, CHURCHILL PIERCE, A.M. (Art).
LEES, SIDNEY, SC.D. (Engineering).
LINDAHL, MARTIN LE ROY, PH.D. (Economics).
LYONS, JOHN BARTHOLOMEW, PH.D. (Geology).
MCKENNAN, ROBERT ADDISON, PH.D. (Sociology).
MCLANE, CHARLES B., PH.D. (Russian Civilisation).
MCNAIR, ANDREW HAMILTON, PH.D. (Geology).
MARX, DANIEL, Jr., PH.D. (Economics).
MASLAND, JOHN WESLEY, PH.D. (Government).
MERRILL, FRANCIS E., PH.D. (Sociology).
MORGAN, MILLETT GRANGER, PH.D. (Electrical Engineering).
MORRISON, HUGH SINCLAIR, A.M. (Art).
MORTON, LOUIS, PH.D. (History).
NEALE, JOHN VANCE, A.M. (Speech).
PARKER, RICHARD WARREN, B.S. (Naval Science).
PERKINS, FRED WILLIAM, PH.D. (Mathematics).
PIANCA, ALVIN LOUIS, A.M. (Spanish).
RADWAY, LAURENCE I., PH.D. (Government).
RIEGEL, ROBERT EDGAR, PH.D. (History).
RIESER, LEONARD M., Jr., PH.D. (Physics).
ROBINSON, ROBIN, PH.D. (Mathematics).
ROSENBERG, MILTON J., PH.D. (Psychology).
SCHULTZ, HARRY THOMAS, PH.D. (English).
SCOTT, JAMES LANG, A.M. (German).
SCOTT-CRAIG, THOMAS S. K., PH.D. (Philosophy).
SEARS, FRANCIS W., S.M. (Physics).
SENSENIG, HERBERT R., PH.D. (German).
SHAFER, PAUL RICHARD, PH.D. (Chemistry).
SHAW, HARRY FARRAN RANCE, A.M. (Economics).
SHERRARD, EDWIN ATWATER, B.S. (Mechanical Engineering).
SILVERT, KALMAN HIRSCH, PH.D. (Government).
SMEAD, ELMER EMANUEL, PH.D. (Government).
SMITH, WILLIAM MILTON, PH.D. (Psychology).
SNAPPER, ERNST, PH.D. (Mathematics).
SNELL, JAMES LAURIE, PH.D. (Mathematics).
STEARNS, STEPHEN RUSSELL, M.S. (Civil Engineering).
STERLING, RICHARD WHITNEY, PH.D. (Government).
STEWART, JOHN LINCOLN, PH.D. (English).
STOCKMAYER, WALTER HUGO, PH.D. (Chemistry).
STOIBER, RICHARD EDWIN, PH.D. (Geology).
SYKES, JAMES ANDREWS, M.A. (Music).
TAYLOR, GEORGE ALBERT, M.S. (Engineering).
TERRIE, HENRY LARKIN, Jr., PH.D. (English).
THERIAULT, GEORGE FRENCH, PH.D. (Sociology).
TRIBUS, MYRON, PH.D. (Engineering).
UGARTE, FRANCISCO, LIC. EN DER. (Spanish).
UNGER, WILLIAM BYERS, PH.D. (Zoology).
VANCE, THOMAS H., PH.D. (English).
VON MOHRENSCHILDT, DIMITRI S., PH.D. (Russian Civilisation).
WEST, HERBERT FAULKNER, A.M. (Comparative Literature).
WHITEHORNE, JOSEPH W. A., III, A.B. (Military Science).
WILLIAMS, HENRY BEATES, M.F.A. (English).
WILLIAMS, JOHN ROBERT, PH.D. (History).
WILSON, ARTHUR MCCANDLESS, PH.D. (Biography and Government).
WOLFENDEN, JOHN HULTON, M.A. (Chemistry).
WOOD, JAMES ALBERT, Jr., PH.D. (Electrical Engineering).
ZELLER, PAUL R., M.M. (Music).

Thayer School of Engineering:
BROWN, EDWARD STICKNEY, Jr., S.M., A.M. Civil Engineering).
ERMENC, JOSEPH JOHN, M.S., A.M. (Mechanical Engineering).
KIMBALL, WILLIAM PHELPS, C.E., A.M. (Civil Engineering).
LEES, SIDNEY, SC.D. (Engineering).
MORGAN, MILLETT GRANGER, PH.D. (Electrical Engineering).
SHERRARD, EDWIN ATWATER, B.S. IN M.E. (Mechanical Engineering).
STEARNS, STEPHEN RUSSELL, M.S. IN C.E. (Civil Engineering).
TAYLOR, GEORGE ALBERT, M.S. IN M.E. (Engineering and Management).
TRIBUS, MYRON, PH.D. (Engineering).
WOOD, JAMES ALBERT, Jr., E.E., M.SC., PH.D. (Electrical Engineering).

The Amos Tuck School of Business Administration:
BROEHL, WAYNE GOTTLIEB, Jr., D.B.A. (Business Administration).
DAVIS, KENNETH REXTON, PH.D. (Marketing).
GRISWOLD, JOHN A., PH.D. (Finance).
GUEST, ROBERT HENRY, PH.D. (Business Administration).
HENNESSEY, JOHN W., Jr., D.B.A. (Business Administration).
HILL, KARL ALLEN, M.C.S. (Industrial Management).
LENT, GEORGE E., PH.D. (Business Economics).
OLSEN, HERLUF VAGN, A.M. (Business Economics).
WOODWORTH, GEORGE WALTER, PH.D. (Money and Banking).

Dartmouth Medical School:
BALLARD, WILLIAM WHITNEY, PH.D. (Embryology).
BENIRSCHKE, KÜRT, M.D. (Pathology).
BORISON, HERBERT LEON, PH.D. (Pharmacology).
COOPER, KENNETH WILLARD, PH.D. (Cytology).
COYLE, JOHN ALFRED, M.D. (Ophthalmology).
FULLER, RUFUS CLINTON, PH.D. (Microbiology).
GOSSELIN, ROBERT EDMOND, M.D. (Pharmacology).
GRAY, CLARKE THOMAS, PH.D. (Microbiology).
INOUÉ, SHINYA, PH.D. (Cytology).
KING, FRANCIS WALTER, PH.D. (Medical Psychology).
MUDGE, GILBERT HORTON, M.D., MED.SC.D. (Experimental Therapeutics).
MURTAGH, JOHN ANTHONY, Jr., M.D. (Otolaryngology).
NODA, LAFAYETTE HACHIRO, PH.D. (Biochemistry).
SIMPSON, MELVIN VERNON, PH.D. (Biochemistry).
STEWART, COLIN CAMPBELL, III, M.D. (Pediatrics).
SYCAMORE, LESLIE KENNETH, M.D. (Radiology).
SZENT-GVORGYI, ANDREW GABRIEL, M.D. (Biophysics).
TENNEY, STEPHEN MARSH, M.D. (Physiology).
TYSON, M. DAWSON, M.D. (Clinical Surgery).
WEISS, ROBERT J., M.D. (Psychiatry).

DAVIDSON COLLEGE

DAVIDSON, NORTH CAROLINA

Founded 1837

President: D. GRIER MARTIN, B.S., LL.D.
Assistant to the President: EVERETT GOURLEY, Jr., A.B., M.A.
Business Manager: ROBERT A. CURRIE, B.S., M.B.A.
Director of Public Relations and Development: ROBERT J. SAILSTAD, B.S., M.A.
Director of Alumni Activities: WILLIAM LEDOUX BONDURANT, A.B., LL.B.
Director of Admissions and Registrar: FREDERICK W. HENGEVELD, B.S.
Bursar and Assistant Treasurer: MYRON WALLACE MCGILL, B.S.
Director of Library: CHALMERS GASTON DAVIDSON, A.B., M.A., PH.D.

Number of teachers: 84, including 42 professors.
Number of students: 992.
Publications: *Davidson College Bulletin* (monthly); *The Davidsonian* (weekly student newspaper); *Quips and Cranks* (year book); *Scripts and Pranks* (student magazine published three times a year).

DEANS:

Faculty: FRONTIS WITHERS JOHNSTON, A.B., PH.D.
Students: RICHARD CLYDE BURTS, A.B., M.A., ED.D.

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DICKINSON COLLEGE

CARLISLE, PENNSYLVANIA

Founded 1773

President: Howard L. Rubendall, L.H.D.
Treasurer: George Shuman, Jr., LL.D.
Registrar: William H. Benson, B.S.
Librarian: Charles C. Sellers, M.A., LITT.D.

Number of teachers: 95, including 82 professors.
Number of students: 798 men, 420 women, total 1,218.
Publications: *Catalogue, The Dickinson Alumnus.*

Deans:

Men: N. Ronald Pease, M.A.
Women: Barbara S. Wishmeyer, M.S.
Freshman Class: David R. Jefferson, B.D.

EARLHAM COLLEGE

RICHMOND, INDIANA

Founded 1847

President: Landrum R. Bolling.
Business Manager: Harold C. Cope.
General Secretary: Jay Beede.
Librarian: Evan Farber.

Number of teachers: 81, including 22 professors.
Number of students: 588 men, 475 women, total 1,063.
Publications; *Earlhamite, Earlham Report* (quarterly), *Earlham Post* (weekly), *Crucible* (biennial by students), *Sargasso* (annual by students), *Earlham College Bulletin* (annual).

Deans:

College: (Vacant.)
Students: Eric G. Curtis.

ELMIRA COLLEGE

ELMIRA, NEW YORK

Founded 1855

President: Dr. J. Ralph Murray.
Vice-President and Dean of Faculty: Dr. Richard R. Bond.
Dean of Students: Miss Barbara J. Welton.

The library contains 70,000 volumes.

Number of students: 813 full-time and 726 part-time spring semester 1962.

COLLEGE OF EMPORIA

(Presbyterian)

EMPORIA, KANSAS

Founded 1882.

President: Dr. Joseph R. Laughlin.
Dean: Dr. Donald A. Grossman.
Business Manager: J. Irwin Beeson.
Registrar: Lyle W. Hilbert.
Dean of Women: Mrs. Wynona Kirkpatrick.
Dean of Men: David S. Dungan.
Dean of Music: Roger H. Johnson.
Director of Personnel: Ronald A. Ebberts.
Director of Development: Russell L. Gossage.
Director of Admissions: Russell L. Gossage.
Director of Promotion: Edmund A. Shupe.

The library contains 41,000 volumes.
Number of teachers: 46.
Number of students: 625.

EVANSVILLE COLLEGE

EVANSVILLE 4, INDIANA

Founded 1854

President: Dr. Melvin W. Hyde.
Registrar: Kenneth H. Jones.
Business Manager: Ralph Olmsted.
Librarian: Dr. Thomas S. Harding.

Number of teachers: 116, including 27 professors.
Number of students Day: 1,246 men, 699 women; total 1,945; Evening Division: 824 men, 444 women, total 1,268.
Publication: *The Crescent.*

Deans:

Admissions: Thornton B. Patberg.
College: Dr. Nicholas C. Brown.
Evening Division: Dr. Marvin Hartig.
Men: James E. Morlock.
Women: Dr. Virginia Grabill.
Students: Dr. Robert V. Thompson.

FENN COLLEGE

CLEVELAND 15, OHIO

President: G. Brooks Earnest, B.S.C.E., M.S., D.ENG.
Provost: William A. Patterson, M.A., PH.D.
Director of Admissions and Records: V. Richard Gulbenkian, M.A., PH.D.
Dean of Students: Meriam Clay Herrick, M.A.
Librarian: Emil J. Stefancic, B.A., B.S. IN L.S.

Number of teachers: 89, including 23 professors.
Number of students: 1,431 men, 370 women, total 1,801.
Publication: *The Cauldron* (bi-weekly).

Deans:

School of Business Administration: Paul Rollet Anders, A.B.
Dean of Engineering: Burl H. Bush, B.S., M.S.
School of Arts and Sciences: Major B. Jenks, M.A., PH.D.
Co-operative Education: Robert B. Auld, A.B., ED.M., M.A. (*Director*).
Women: Ella R. McKee, M.A., PH.D.

FORT HAYS KANSAS STATE COLLEGE

HAYS, KANSAS

Founded 1902

President: Dr. Morton Christy Cunningham.
Librarian: Mr. Paul Friesner.

Number of teachers: 183, including 35 professors.
Number of students: 2,191 men, 1,374 women, total 3,565.
Publications: *Leader, Reveille.*

Deans:

College: (vacant).
Graduate Division: Dr. Ralph Vernon Coder.
Men: Bill Jellison.
Women: Miss Jean Stouffer.

FRANKLIN AND MARSHALL COLLEGE

LANCASTER, PENNSYLVANIA

Franklin College founded in 1787, Marshall College founded in 1836; merged in 1853.

President: Keith Spalding, A.B.
Treasurer: Paul R. Linfield, B.S. IN B.A., M.B.A.
Dean: G. Wayne Glick, A.B., A.M., PH.D.
Librarian: Herbert B. Anstaett, B.S. IN ED., M.S.

Number of teachers: 140.
Number of students: 1,450 men.

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GEORGE PEABODY COLLEGE FOR TEACHERS
NASHVILLE 5, TENNESSEE

Founded 1875

President: FELIX C. ROBB.
Dean of Administration: W. C. JONES.
Dean of Graduate School: PHILLIP BACON.
The library contains 864,000 volumes and publications.
Number of teachers: 150.
Number of students: 1,800.

THE WOMAN'S COLLEGE OF GEORGIA
MILLEDGEVILLE, GEORGIA

Chartered 1889 as Georgia Normal and Industrial College; name changed 1922 to the Georgia State College for Women. Its present name dates from 1961.

President: Dr. ROBERT E. LEE.
Comptroller: H. A. MEYER.
Registrar: T. E. SMITH.
Director of Admissions: R. LINTON COX, Jr.
Dean of Instruction: DONALD H. MACMAHON.
Dean of Students: BARBARA CHANDLER.
Number of teachers: 62.
Number of students: 831.
Publication: *Bulletin.*

GETTYSBURG COLLEGE
(Lutheran Related)
GETTYSBURG, PENNSYLVANIA

Chartered 1832 as Pennsylvania College; name changed 1921.

President: CARL ARNOLD HANSON.
Dean: CHARLES H. GLATFELTER.
Dean of Students: JOHN W. SHAINLINE.
Dean of Admissions: CHARLES R. WOLFE.
Dean of Women: MARTHA STOREK.
Dean of Men: W. RAMSAY JONES.
Number of teachers (1962-63): 130.
Number of students (1962-63): 1,800.

GOUCHER COLLEGE
TOWSON, BALTIMORE 4, MARYLAND

Founded 1885

President: OTTO FREDERICK KRAUSHAAR.
Registrar: MILDRED COVEY.
Director of Admissions: MARY ROSS FLOWERS.
Librarian: SARAH DOWLIN JONES.
Number of teachers: 85, including 23 professors.
Number of students: 818 women.
Publications: *Weekly, Donnybrook Fair, Preface, Alumnae Quarterly.*

DEANS:

College: ELIZABETH GEEN.
Assistant Deans: ALICE JIMMYER REYNOLDS, RHODA M. DORSEY.
Students: MARTHA ARNOLD NICHOLS.
Assistant Dean of Students: ALMA HULL.

GRINNELL COLLEGE
GRINNELL, IOWA

Founded 1846

President: HOWARD ROTHMANN BOWEN, A.B., M.A., PH.D., LL.D., L.H.D.
Dean of the College: JAMES H. STAUSS, B.A., M.S., PH.D.
Vice-President: MERRITT C. LUDWIG, A.B., M.A.
Librarian: HENRY ALDEN, A.B., M.A., M.S. IN L.S.
Degree granted: Bachelor of Arts.
Number of teachers: 100, including 36 professors.
Number of students: 1,155, (635 men, 520 women).

DEANS:

Men: STEPHEN B. WOOD, M.A.
Women: JEAN M. SLOCUM, B.S., M.A.

HAMILTON COLLEGE
CLINTON, NEW YORK

Founded 1793 as Hamilton-Oneida Academy; Chartered as Hamilton College 1812.

President: ROBERT W. MCEWEN.
Dean: WINTON TOLLES.
The library contains 260,100 volumes.
Number of teachers: 78.
Number of students: 810 (men).

HAMPTON INSTITUTE
HAMPTON, VIRGINIA

Founded 1868

President: JEROME H. HOLLAND.
Business Manager: JAMES W. BRYANT.
Registrar: COLLIS H. DAVIS.
Library of 92,000 vols.
Number of students: 1,668.

DEAN:

Faculty: WILLIAM H. MARTIN.

HANOVER COLLEGE
(Presbyterian)
HANOVER, INDIANA

First instruction 1827; Chartered 1829.

President: JOHN E. HORNER, A.B., M.A., PH.D.
Dean of College: HAROLD J. HAVERKAMP, A.B., M.A., PH.D.
Dean of Women: LAURA L. NORRIS, M.S.
Dean of Men: GLEN L. BONSETT, B.S., M.S., D.P.E.
The library contains 65,000 volumes.
Number of teachers: 57.
Number of students: 900.

THE HARTFORD SEMINARY FOUNDATION
HARTFORD, CONNECTICUT

Founded 1834

The Hartford Seminary Foundation is composed of The Hartford Theological Seminary, The Kennedy School of Missions, The Hartford School of Religious Education, The Institute of Church and Community, and The Case Memorial Library.

President: JAMES N. GETTEMY.
Academic Dean: FORD LEWIS BATTLES.
Librarian: DIKRAN Y. HADIDIAN.
Number of teachers: 40, including 30 professors.
Number of students: 232 men and women.
Publications: *Bulletin* (semi-annual), *The Moslem World* (quarterly).

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DEANS:

Hartford Theological Seminary: ALEXANDER C. PURDY, B.A., B.D., PH.D.
School of Religious Education: WALTER HOUSTON CLARK, A.M., PH.D.
Kennedy School of Missions: ROBERT THOMAS PARSONS, B.D., M.A., PH.D.
Institute of Church Social Service: PETER L. BERGER.
Administration: WILLARD T. CARTER, B.A., B.D.
Women: MRS. ESTELLA LANE.

HAVERFORD COLLEGE
(Society of Friends)
HAVERFORD, PENNSYLVANIA

Founded 1833 as the first college established by the Society of Friends in the U.S.

President: HUGH BORTON, PH.D.
Vice-President and Director of Admissions: ARCHIBALD MACINTOSH, A.M., PH.D.
Dean of the College: WILLIAM E. CADBURY, Jr., PH.D.
Dean of Students: JAMES W. LYONS, ED.D.
Comptroller and Business Manager: ALDO CASELLI, D.S.E. AND C.
Registrar: Mrs. VIRGINIA KLINE.
Librarian: CRAIG R. THOMPSON, PH.D.

The library contains 231,464 volumes.
Number of teachers: 57 full-time, 14 part-time.
Number of students: 474.
Publications: *The Haverford College Bulletin* (quarterly), *Haverford Horizons* (quarterly).

HEADS OF DEPARTMENTS:

COMFORT, HOWARD, PH.D. (Classics).
DE GRAAFF, FRANCES, PH.D. (Russian).
DIAMANT, ALFRED, PH.D. (Political Science).
GREEN, LOUIS C., PH.D. (Astronomy and Physics).
GUTWIRTH, MARCEL M., PH.D. (Romance Languages).
HEATH, DOUGLAS H., PH.D. (Psychology).
HETZEL, THEODORE B., PH.D. (Engineering).
HUNTER, HOLLAND, PH.D. (Economics).
MACCAFFREY, WALLACE T., PH.D. (History).
OAKLEY, CLETUS O., PH.D. (Mathematics).
PARKER, FRANCIS H., PH.D. (Philosophy).
PFUND, HARRY W., PH.D. (German).
RANDALL, ROY E., PH.B. (Physical Education).
REESE, WILLIAM H., PH.D. (Music).
REID, IRA DE A., PH.D. LL.D. (Sociology).
ROSE, EDGAR S., PH.D. (English).
SANTER, MELVIN, PH.D. (Biology).
SPIEGLER, GERHARD E., PH.D. (Religion).
WALTER, ROBERT I., PH.D. (Chemistry).

HOBART AND WILLIAM SMITH COLLEGES
(The Colleges of the Seneca)
GENEVA, NEW YORK

Hobart founded 1822, William Smith founded 1908

President: The Reverend LOUIS M. HIRSHSON.
Provost: BEVERLEY D. CAUSEY, Jr.
Treasurer: HORACE NEWTON HUBBS.
Librarian: ELIZABETH THALMAN.

Number of teachers: 73, including 18 professors.
Number of students: Hobart: 730 men; William Smith: 243 women.
Publications: *Catalogue, Quarterly Bulletin.*

DEANS:

Hobart: BENJAMIN PETER ATKINSON.
William Smith: Mrs. RAYMOND D. HEATH.

HOLLINS COLLEGE
HOLLINS COLLEGE, VIRGINIA

Founded 1842

President: JOHN A. LOGAN, Jr.
Vice-President and Treasurer: WILLARD N. JAMES.
Director of Admission: ANN SPLITSTONE.
Registrar: MARGARET L. ELDRIDGE.
Dean of the College: MARY PHLEGAR SMITH.
Dean of the Faculty: JOHN P. WHEELER, Jr.
Librarian: DOROTHY DOERR.

Number of teachers: 81, including 17 professors.
Number of students: 700 women; graduate students: 9 men, 1 women.
Publications: *Alumnae Bulletin, Hollins Herald, Hollins Bulletin.*

COLLEGE OF THE HOLY CROSS
WORCESTER, MASSACHUSETTS

Founded 1843

President: Very Rev. RAYMOND J. SWORDS, S.J.
Administrator: Rev. THOMAS J. SMITH, S.J.
Executive Assistant to the President: Rev. RICHARD P. BURKE, S.J.
Director of Admissions: Rev. AMBROSE J. MAHONEY, S.J.
Treasurer: Rev. GEORGE W. NOLAN, S.J.
Dean: Rev. MAURICE REIDY, S.J.
Librarian: Rev. WILLIAM L. LUCEY, S.J.

Number of teachers: 168.
Number of students: 1,830 men.

DEANS:

Sophomores and Freshmen: Rev. JOSEPH F. DONAHUE, S.J.
Men: Rev. CHARLES J. DUNN, S.J.

HOOD COLLEGE
FREDERICK, MARYLAND

Founded 1893 as Women's College of Frederick; name changed to above in 1913

President: RANDLE ELLIOTT, B.A., A.M., PH.D.
Vice-President and Treasurer: J. HAROLD HOOPER.
Registrar: GRACE N. BROWN, A.B., A.M.
Librarian: KATHERINE E. DUTROW, A.B., B.S.

Number of teachers: 51, including 29 professors and associate professors.
Number of students: 650.
Publications: *Catalogue, Bulletin, Reporter* (newsletter).

DEANS:

Students: KATHARINE SHERRILL, A.B., A.M.
Faculty: MARY F. KEELER, A.B., A.M., PH.D.

HOWARD COLLEGE
800 LAKESHORE DRIVE, BIRMINGHAM 9, ALABAMA

Founded 1841

President: LESLIE S. WRIGHT, A.B., M.A., LL.D.
Chancellor: HARWELL G. DAVIS, LL.D., L.H.D.
Dean: JOHN A. FINCHER, M.S., PH.D.
Registrar: JAMES A. CLARKE, A.B., M.R.E.
Librarian: F. WILBUR HEMBOLD, B.A., M.A.

Number of teachers 136 including 40 professors.
Number of students: 1,360 men, 828 women, total 2,188.
Publication: *Bulletin.*

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DEANS:

Dean of Students: WILLIAM PRATT DALE, A.M., PH.D.
Women: MARGARET DAVIDSON SIZEMORE, A.M., D.N.
Dean of Religion: GILBERT L. GUFFIN, TH.M., TH.D., D.D.
Dean, Cumberland School of Law: ARTHUR A. WEEKS, LL.B., LL.M.

HUNTER COLLEGE OF THE CITY OF NEW YORK

695 PARK AVENUE, NEW YORK 21, N.Y.

Founded 1870. Chartered 1888.

(*see* City University of New York).

JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA

1025 WALNUT STREET, PHILADELPHIA 7, PENNSYLVANIA

Founded 1825

President: WILLIAM W. BODINE, Jr.
Librarian: ROBERT T. LENTZ.

Number of teachers: 654, including 48 professors.
Number of students: 646 men.
Number of graduate students: 37 men, 3 women.

DEAN:

Faculty: WILLIAM A. SODEMAN, M.D.

JUILLIARD SCHOOL OF MUSIC

120 CLAREMONT AVENUE, NEW YORK 27, N.Y

Founded 1905

President: WILLIAM SCHUMAN.
Dean: MARK SCHUBART.
Registrar: JUDSON EHRBAR.

The library contains: 5,000 volumes on Music and Dance, 4,000 volumes on non-musical subjects, 20,000 music scores.
Number of instructors: 150.
Number of students: 850.

KALAMAZOO COLLEGE

KALAMAZOO, MICHIGAN

Chartered 1833 as Michigan and Huron Institute; name changed to Kalamazoo Literary Institute 1837, to Kalamazoo College 1855.

President: WEIMER K. HICKS.
Vice-President: LLOYD J. AVERILL.
Assistant to the President and Business Manager: STUART H. SIMPSON.
Dean of Men: PAUL E. COLLINS.
Dean of Women: LOUISE S. JOHNSON.

Number of teachers: 60.
Number of students: 900.

KENYON COLLEGE

GAMBIER, OHIO

Founded 1824

President: FRANZE EDWARD LUND, PH.D., LL.D.
Registrar: STUART R. MCGOWAN, M.A.
Librarian: EDWARD C. HEINTZ, A.B.L.S.

The library contains 151,455 volumes.
Number of teachers: 63.
Number of students: 552 men only.
Publication: *The Kenyon Review.*

DEANS:

College: FRANK E. BAILEY, PH.D.
Students: THOMAS J. EDWARDS, M.A.
Bexley Hall, the Divinity School of Kenyon College: The Very Rev. ALMUS M. THORP, D.D.

KNOX COLLEGE

GALESBURG, ILLINOIS

Founded 1837

President: Dr. SHARVY G. UMBECK, A.M., PH.D.
Treasurer and Business Manager: ELMER F. JAGOW, B.S. in ED., M.B.A.
Librarian: WARREN MAC MORRIS.

Number of teachers: 87, including 17 professors.
Number of students: 637 men, 503 women, total 1,140.
Publications: *Curriculum, The Knox Idea, Directory Report* (financial statement), *Knox Now* (quarterly).

DEANS:

College: Dr. HERMANN R. MUELDER, M.A., PH.D.
Students: Dr. WILBUR F. PILLSBURY, M.C.S., D.C.S.

LAFAYETTE COLLEGE

EASTON, PENNSYLVANIA

Founded 1826; named in honour of the Marquis de Lafayette.

President: K. ROALD BERGETHON, M.A., PH.D., LL.D., LITT.D., LIT.D.
Treasurer: JOHN N. SCHLEGEL.
Dean of the College: CHARLES C. COLE, Jr., M.A., PH.D.
Secretary, Board of Trustees: GEORGE C. LAUB, LL.B.
Registrar: JOHN E. BROOKS, Jr., Col., U.S.A. (retd.).
Clerk of the Faculty: HAROLD W. STREETER, M.A., PH.D.
Librarian: CLYDE L. HASELDEN, M.A.

The library contains 158,000 volumes.
Number of teachers: 140.
Number of students: 1,500 men.
Publications: *Catalogue* (annual), *Mélange* (annual), *The Lafayette* (twice weekly), *The Alumnus* (monthly), *The Marquis* (quarterly).

LAKE FOREST COLLEGE

(Corporate title Lake Forest University)

LAKE FOREST, ILLINOIS

Founded 1857

President: WILLIAM GRAHAM COLE, PH.D.
Provost and Dean of the Faculty: WILLIAM L. DUNN, PH.D.
Registrar: RUTH C. VOLPE, M.A.
Business Manager: JOHN MUNSHOWER.
Librarian: MARTHA BIGGS, M.S.

Number of teachers: 70, including 19 professors.
Number of students: 591 men, 480 women, total 1,071.
Publications: *The Stentor* (weekly), *The Forester* (annual), *Tusitala* (annually).

DEAN:

Students: HOWARD HOOGESTEGER, M.ED.

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LAWRENCE COLLEGE

APPLETON, WISCONSIN

Founded 1847

President: Curtis W. Tarr.
Business Manager: Marwin O. Wrolstad.
Librarian: H. A. Brubaker.

Number of teachers: 110, including 23 professors.
Number of students: 616 men, 506 women, total 1,122.
Publications: *Bulletin, Annual Report,* etc.

Deans:

College: Chandler W. Rowe.
Men: Kenneth R. Venderbush.
Women: Mary E. Morton.

LEWIS AND CLARK COLLEGE

PORTLAND, OREGON

Founded 1867

President: Dr. John R. Howard.
Registrar: William Norris.
Comptroller: Charles Haldors.
Dean of Instruction: Dr. Lewis Thayer.
Dean of Students: Dr. Hester Turner.
Librarian: Dr. Laurence Tomlinson.

The library contains 52,000 volumes.
Number of teachers: 70 including 23 professors.
Number of students: 572 men, 515 women, total 1,087.
Publication: *Journal.*

LINDENWOOD COLLEGE

ST. CHARLES, MISSOURI

Founded 1827

President: Franc L. McCluer, A.B., M.A., PH.D., LL.D.
Dean: Paul W. Pixler, A.B., B.D., S.T.M., PH.D.
Dean of the Chapel: C. Eugene Conover, A.B., B.D., A.M., PH.D.
Director of Admissions: Glenn G. Thomas, A.B., M.A.
Dean of Students: Mary Lichliter, A.B., M.A.
Business Manager: Robert C. Colson, B.S.
Registrar: Lula Clayton Beale, A.B., M.A.
Librarian: Mildred D. Kohlstedt, M.A.

The library contains 43,233 books and pamphlets.
Number of teachers: 57.
Number of students: 600 women.
Publications: *The Linden Bark, The Linden Leaves* (yearbook), *The Griffin* (annual).

MACMURRAY COLLEGE

JACKSONVILLE, ILLINOIS

MacMurray College for Women, f. 1846; MacMurray College for Men, f. 1955; now a co-ordinate college.

President: Dr. Gordon E. Michalson, M.A., B.D., PH.D.
Business Manager: E. C. Smith, M.A.
Director of Admissions: Nyles C. Ayers, A.B.
Librarian: Victoria Hargrave, M.A.

Number of teachers: 60, including 15 professors.
Number of students: 928.
Publications: *MacMurray College Greetings, Highland Times, MacMurray Columns, Alumni Bulletin.*

Deans:

College: Wendell S. Dysinger, M.A., PH.D.
Faculty: C. Leplie Kanatzar, M.S., PH.D.
Students: David E. Long, M.S.ED., D.ED.
Women: Louisa Fleming Strong, M.M.ED.
Men: Charles M. Leeds, M.A.

MANHATTAN COLLEGE

NEW YORK 71, N.Y.

Founded as Academy of the Holy Infancy 1853; Chartered as Manhattan College 1863 (Roman Catholic; Men only).

President and Treasurer: Bro. Gregory, F.S.C., PH.D., LL.D.
Business Manager: Brian J. Hansbury.
Bursar: Francis X. Delaney, B.B.A.
Registrar: Bro. Aquilinus Joseph, F.S.C., PH.D.
Director of Library: Bro. Andrew of the Cross, F.S.C., M.A.
Controller: J. Paul Gaffney, B.S.

Number of teachers: 258.
Number of students: 3,530.

Deans:

College: Bro. Casimir Stephen, F.S.C., M.A., S.T.D.
Arts and Sciences: Bro. Abdon Lewis, F.S.C., M.A.
Engineering: Robt. T. Weil, Jr., M.S., P.E.
Business: Bro. C. Francis, F.S.C., M.A., M.B.A.
Graduate Division: Bro. Alban of Mary, F.S.C., PH.D.

MARIETTA COLLEGE

MARIETTA, OHIO

Chartered 1835

President: Frank Edward Duddy, Jr., PH.D.
Dean: Merrill Reeves Patterson, PH.D.
Registrar: Lillian Spindler Sinclair, A.B.
Librarian: Robert Frank Cayton, M.S.

Number of teachers: 76 full-time, 12 part-time, including 21 professors.
Number of students: 812 men, 563 women, total 1,375.
Publications: *Bulletin, The Alumnus.*

Deans:

Men: John E. Sandt, A.M.
Women: Ruth A. Wilcox, A.M.
Division of Evening School: Jack E. Prince, PH.D. (*Director*).

MIDDLEBURY COLLEGE

MIDDLEBURY, VERMONT

Founded 1800.

President: James I. Armstrong.
Vice-President: Walter E. Brooker.
Dean of Men: Thomas H. Reynolds.
Dean of Women: Mrs. Elizabeth B. Kelly.
Dean of the Faculty: John G. Bowker.
Director of Language Schools: Stephen A. Freeman.
Registrar: Marion E. Holmes.

Number of teachers: 91.
Number of students: 1,301.

MILLS COLLEGE

OAKLAND 13, CALIFORNIA

Founded as a Seminary 1852, as a College 1885.

President: C. Easton Rothwell.
Dean of the Faculty: Mary Woods Bennett.
Dean of Students: Patricia Ann Brauel.

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Recorder: Margery Thompson.
Director of Graduated Studies: Barbara M. Garcia.
Librarian: Flora Elizabeth Reynolds.

The library contains 130,000 vols.
Number of teachers: 86.
Number of students: 761.
Publications: *The Mills Stream, The Crest* (annual).

MISSISSIPPI STATE COLLEGE FOR WOMEN
COLUMBUS, MISSISSIPPI

Founded 1884; first State-supported college exclusively for women to be founded in the U.S.

President: Charles P. Hogarth, A.M., PH.D.
Dean of Faculty: S. A. Brasfield, A.M., ED.D.
Registrar: David F. Snipes, A.M.
Recorder: Josephine Watson, A.B.
Comptroller: Joe H. Barber, Jr., B.S.
Librarian: Beverly T. Moss, A.M., PH.D.

Number of teachers: 109.
Number of students: 1,915.
Publication: *Catalogue* (annual).

MOUNT HOLYOKE COLLEGE
SOUTH HADLEY, MASSACHUSETTS.

Founded in 1837 by Mary Lyon.

President: Richard Glenn Gettell, PH.D.
Treasurer: Boardman Bump, M.B.A.
Registrar: Florence S. Kimball, A.B.
Librarian: Flora B. Ludington, A.M., B.L.S.

The library contains 285,000 volumes.
Number of teachers: 170.
Number of students: 1,600 women.
Publications: *Directory, Catalogue, Spring Bulletin.*

Academic Dean: Meribeth E. Cameron, PH.D.
Dean of Residence: Catherine P. Robinson, A.M.
Director of Admissions: Clara Regina Ludwig, A.B., S.B.

PROFESSORS:

Adams, Norma, PH.D. (History).
Bates, Grace Elizabeth, PH.D. (Mathematics).
Bottkol, Joseph McGrath, PH.D. (English).
Boyd, Elizabeth Margaret, PH.D. (Zoology).
Brock, Constance Marianne, PH.D. (English).
Cameron, Meribeth E., PH.D. (History).
Clancy, Edward Philbrook, PH.D. (Physics).
Cogswell, Dorothy McIntosh (Art).
Corbin, Horace Harlan, PH.D. (Psychology).
Dean, Ruth J., PH.D. (French).
Douglass, Ruth E., A.B. (Music).
Durfee, Willian Hetherington, PH.D. (Mathematics).
Eltinge, Ethel Taber, PH.D. (Botany).
Giamatti, Valentine, PH.D. (Italian).
Haff, John Coles, PH.D. (Geology).
Hall, George Elisha, PH.D. (Chemistry).
Harrison, Anne J., PH.D. (Chemistry).
Hayes, Marian, PH.D. (Art).
Holden, David J., S.B. (Music).
Holmes, Roger Wellington, PH.D. (Philosophy).
Kiokemeister, Fred Ludwig, PH.D. (Mathematics).
Lawson, Ruth Catherine, PH.D. (Political Science).
Leedy, Charles Denoe (Music).
Lemaire, Minnie Ethel, PH.D. (Geography).
Lobb, John, PH.D. (Economics and Sociology).
Ludington, Flora Belle, B.L.S. (Librarian).
McGee, Alan Van Keuren, PH.D. (English).
McLean, Sydney Robertson, PH.D. (English).
Morgan, Donald Grant, PH.D. (Political Science).
Muus, Jytte Mario, MAG.SCIENT. (Physiology).
Pickett, Lucy Weston, PH.D. (Chemistry).
Reese, Thomas W., PH.D. (Psychology).
Reid, Ben L., PH.D. (English).
Robinson, Catherine Palmer, A.M.
Rox, Henry (Art).
Runge, Edith Amelie, PH.D. (German).
Saintonge, Paul F., PH.D.(French).
Schuck, Victoria, PH.D. (Political Science).
Shepardson, Nadine, A.M. (Speech and Drama).
Sollenberger, Richard, PH.D. (Psychology).
Stein, Kathryn Forney, PH.D. (Zoology).
Viereck, Peter Robert, PH.D. (History).
Volkmann, John, PH.D. (Psychology).
Williams, John Paul, B.D., PH.D. (Religion).

MOUNT UNION COLLEGE
ALLIANCE, OHIO

Founded 1846

President: Carl C. Bracy, A.M., D.D., LL.D.
Dean: M. Francis Christie, A.M., PH.D., LL.D.
Registrar: James R. Jose, A.M.
Librarian: Newell Yost Osborne, LITT.M., B.L.S.

Number of teachers: 65, including 13 full professors.
Number of students: 550 men, 450 women, total 1,000.
Publications: *Alumni Bulletin, Catalogues.*

Museum College of Art: Broad and Pine Street, Philadelphia 2, Pa.; Dean E. M. Benson.

MUSKINGUM COLLEGE
NEW CONCORD, OHIO

Founded 1837

President: Glenn L. McConagha.
Dean: Howard V. Evans.
Business Manager: Winthrop E. Robinson, B.A.
Librarian: Walter D. Morrill.

Number of teachers 74 including 18 professors.
Number of students: 630 men, 579 women, total 1,209.
Publications: *Catalogue, Faculty News Bulletin, Alumni Bulletin, Pictorial Bulletin.*

NEW ENGLAND CONSERVATORY OF MUSIC
BOSTON, 15

President: Chester W. Williams.

Number of students: 1,966.

COLLEGE OF NEW ROCHELLE
NEW ROCHELLE, NEW YORK

Founded 1904.

President: Mother Mary Robert Falls, O.S.U., PH.D.
Dean: Mother Mary Russo, O.S.U., M.A.
Registrar: Mother M. Paula Bero, O.S.U., M.A.
Treasurer: Mother Mary Rose Cocks, O.S.U., M.S.
Librarian: Mother M. de Montfort Alexander, O.S.U., M.S. in L.S.

The library contains 81,000 volumes.
Number of teachers: 92.
Number of students: 988.
Publication: *Bulletin* (annual).

NEW SCHOOL FOR SOCIAL RESEARCH
66 WEST 12TH STREET, NEW YORK 11, N.Y.

Founded 1919.

President: Henry David.
Vice-Presidents: Clara W. Mayer, Arthur L. Swift, Jr., Curtis Roosevelt.

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The library contains 25,000 volumes.
Number of teachers: 288.
Number of students: 5,200.
Publication: *Social Research* (quarterly).

DEANS:

Graduate Faculty of Political and Social Science: HOWARD WHITE (acting).
New School Adult Education: WILLIAM M. BIRENBAUM.

NORTH CAROLINA COLLEGE AT DURHAM

DURHAM, NORTH CAROLINA

Founded 1909

President: Dr. ALFONSO ELDER.
Business Manager: WILLIAM JONES.
Registrar: FRANCES M. EAGLESON.
Librarian: Dr. BENJAMIN F. SMITH.

Number of teachers: 161, including 65 professors.
Number of students: 1,279 men, 2,166 women, total 3,445.
Publications: *Catalogue, Eagle, Bulletins.*

DEANS:

Undergraduate School: Dr. GEORGE T. KYLE.
Graduate School: Dr. W. H. BROWN.
Library School: D. E. MOORE.
Law School: Dr. ALBERT L. TURNER.

OBERLIN COLLEGE

OBERLIN, OHIO

Founded 1833; named after Alsatian Pastor, John Frederick Oberlin.

President: ROBERT KENNETH CARR, PH.D.
Provost: THURSTON E. MANNING, PH.D.
Director of Admissions and Academic Records: ROBERT L. JACKSON, S.B.
Treasurer: KARL HILL AUGHENBAUGH, A.B.
Secretary: J. ROBERT WILLIAMS, S.B.
Registrar: WILLIAM A. RICHARDSON, MUS.B., ED.MUS.B., MUS.M.
Business Manager: LEWIS RAYMOND TOWER.
Librarian: EILEEN THORNTON, A.M.

The library contains 565,000 volumes.
Number of teachers: 211.
Number of students: 2,400.

DEANS:

College of Arts and Sciences: WILLIAM F. HELLMUTH, Jr., PH.D.
Graduate School of Theology: ROGER HAZELTON, B.D., PH.D.
Conservatory of Music: LLOYD NORMAN.

PROFESSORS:

College of Arts and Sciences:
ANDERSON, DAVID LEONARD, S.B., A.M., PH.D. (Music).
ARNOLD, PAUL BEAVER, A.M., M.F.A. (Art).
BALUM, JOHN DANIEL, A.B., A.M., PH.D. (Mathematics).
BONGIORNO, ANDREW, A.M., PH.D. (English).
BOYERS, WILLIAM HAYDEN, A.M., PH.D. (French).
BROMUND, WERNER HERMANN, A.M., PH.D. (Chemistry).
BUTLER, LYSLE KENDALL, A.M., PH.D. (Physical Education).
CAPPS, EDWARD, Jr., A.M., PH.D. (Art).
CARLSON, ELLSWORTH CLAYTON, A.B., A.M., PH.D. (History).
COLE, LAWRENCE EDWIN, A.M., PH.D. (Psychology).
DOMONKOS, Mrs. HELEN EDWARDS, A.B., S.M. (Physical Education).
ELLIS, WADE, S.M., PH.D. (Mathematics).
FOREMAN, FREDERICK, S.B., PH.D. (Geology and Geography).
GOLDBERG, SAMUEL, PH.D. (Mathematics).
GRUBBS, HENRY ALEXANDER, PH.D. (French).
HELLMUTH, WILLIAM FREDERICK, A.B., PH.D. (Economics).
HOLBROOK, CLYDE A., B.D., PH.D. (Religion).
HOOVER, ANDREW GRAHAM, A.B., PH.D. (English).
HOWE, CARL ELLIS, PH.D. (Physics).
KNELLER, JOHN WILLIAM, A.M., PH.D. (French).
KURTZ, JOHN WILLIAM, A.M., PH.D. (German).
LANYI, GEORGE ALBERT, B.SC., A.M., PH.D. (Government).
LAYCOCK, FRANK, A.B., M.A., PH.D. (Education).
LEDUC, THOMAS H., A.M., PH.D. (History).
LEWIS, BEN WILLIAM, A.M., PH.D., LL.B. (Economics).
LEWIS, JOHN DONALD, A.M., PH.D. (Government).
MCCUE, BETTY FOSTER, S.M., PH.D. (Physical Education).
MANNING, THURSTON EDMOND, A.B., PH.D. (Physics).
MURPHY, CHARLES T., A.M., PH.D. (Classics).
MYERS, RICHARD R., PH.D. (Sociology and Anthropology).
REICHARD, JOSEPH RUCH, A.B., A.M., PH.D. (German).
RENFROW, WILLIAM BURNS, Jr., PH.D. (Chemistry).
ROELLINGER, FRANCIS XAVIER, A.M., PH.D. (English).
ROGERS, PAUL PATRICK, A.M., PH.D. (Spanish).
ROLLINS, CALVIN DWIGHT, A.B., D.PHIL. (Philosophy).
SCHLESINGER, ALFRED CARY, A.B., A.M., PH.D. (Classics).
SCOTT, GEORGE T., A.M., PH.D. (Biology).
SHAVER, CHESTER L., A.M., PH.D. (English).
SIMPSON, GEORGE EATON, A.M., PH.D. (Sociology and Anthropology).
SINGLETON, RALPH HERBERT, A.B., A.M., PH.D. (English).
SPENCER, JOHN R., A.B., M.A., PH.D. (Art).
STEINER, LUKE EBY, A.B., PH.D. (Chemistry).
STOLL, ROBERT R., A.M., PH.D. (Mathematics).
TAYLOR, WARREN, A.M., PH.D. (English).
TUFTS, ROBERT WALRATH, A.B., A.M. (Economics).
TURNER, RALPH HAROLD, A.B., A.M., PH.D. (Psychology).
VANCE, ELBRIDGE PUTNAM, A.M., PH.D. (Mathematics).
WALKER, WARREN W., Jr., S.B., PH.D. (Biology).
WHITAKER, THOMAS RUSSELL, A.B., A.M., PH.D. (English).
YINGER, JOHN M., A.M., PH.D. (Sociology and Anthropology).

Conservatory of Music:
CANIN, STUART VICTOR (Violin).
DANENBERG, EMIL CHARLES, A.M. (Pianoforte).
DANN, ARTHUR (Pianoforte).
DOUGLASS, FENNER, A.B., MUS.B., MUS.M. (Organ).
ELVIN, JOHN E. (Pianoforte).
FOUNTAIN, ROBERT PRATT, MUS.M. (Singing).
FRAZER, JOHN (Violoncello and Ensemble).
HARRIS, DANIEL A., MUS.D. (Singing).
HUNGATE, JOSEPH TERPRENING, MUS.B. (Pianoforte).
MELCHER, ROBERT AUGUSTUS, MUS.SCH.B., ED.MUS.M. (Theory).
RADUNSKY, JACK, MUS.B., A.B. (Pianoforte).
SMITH, WESLEY EUGENE, S.B., MUS.M., ED.D. (Music Education).
WALN, GEORGE ELBRIDGE, S.B., MUS.M. (Wood Wind).
WILLIAMS, ARTHUR LYMAN, A.M. (Wood Wind).

School of Theology:
MAY, HERBERT GORDON, A.M., D.B., PH.D. (Old Testament Language and Literature).
NELSON, JOHN ROBERT, A.B., B.D., DR.THEOL. (Systematic Theology).
WOLF, RICHARD CHARLES, B.D., PH.D. (Church History).

AFFILIATED INSTITUTION:

Dudley Peter Allen Memorial Art Museum.

Director: JOHN R. SPENCER, A.B., M.A., PH.D. (Acting).
Curator: H. CHLOE HAMILTON YOUNG, M.A.

OCCIDENTAL COLLEGE

LOS ANGELES 41, CALIFORNIA

Founded 1887.

President: ARTHUR GARDINER COONS, PH.D., LL.D., SC.D.(ECON.), L.H.D.
Dean of the Faculty: VERNON L. BOLLMAN, PH.D.
Comptroller: JANET B. HOIT, A.B.
Dean of Women: MARY L. SWIFT, M.A.
Dean of Men: BENJAMIN HAYS CULLEY, ED.D.
Director of Admissions: (Vacant).
Registrar: FLORENCE N. BRADY, A.B.

Number of teachers: 120.
Number of students: 1,467.

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OKLAHOMA COLLEGE FOR WOMEN
CHICKASHA, OKLAHOMA

Founded 1908

State-supported women's college.

President: CHARLES GRADY.
Business Manager: JETER D. SNEED, B.S., M.A.
Director of Public Relations: SARAH ELLIS, B.S.
Director of Admissions and Registrar: TRICE L. BROADRICK B.S., M.ED.
Librarian: FRANCES BARNES, M.A., M.L.B.

The library contains 47,381 books.
Number of teachers: 51.
Number of students: 764 women.
Publication: *Trend.*

DEANS:

College: KENNETH D. YOUNG, B.A., M.A., ED.D.
Fine Arts: ROBERT WARNER (*Chairman*).
Students: FONTELLA KIMBELL.

PACIFIC UNION COLLEGE
ANGWIN, CALIFORNIA

Founded 1882

President: R. W. FOWLER, PH.D
Dean: M. E. MATHISEN, PH.D
Registrar: EDWIN C. WALTER, A.M.
Business Manager: W. E. ANDERSON, A.M.
Librarian: LOIS J. WALKER, A.M., B.S. IN L.S.

The library contains 55,000 volumes.
Number of teachers: 75, including 25 professors.
Number of students: 594 men, 524 women, total 1,118.
Publications: *College Bulletin, Student Handbook.*

PEABODY INSTITUTE OF THE CITY OF BALTIMORE
BALTIMORE 2, MARYLAND

President: HERBERT J. WATT.
Director of Music Conservatory: (Vacant).
Registrar: GLENN STROUD.

Number of students: 330.

WOMAN'S MEDICAL COLLEGE OF PENNSYLVANIA
PHILADELPHIA 29, PENNSYLVANIA

Founded 1850

President and Dean: MARION FAY, PH.D.
Comptroller: EDWARD C. KANE, C.P.A.
Librarian: IDA J. DRAEGER, B.S. IN L.S.
School of Nursing: MILDRED M. SWICK, R.N., B.S. (*Director*).

Number of teachers: 290, including 22 professors.
Number of students: 210 women.
Publications: *Current College Bulletin, School of Nursing.*

PEPPERDINE COLLEGE
LOS ANGELES 44, CALIFORNIA

Founded 1937

President: M. NORVEL YOUNG.
Vice-President: WILLIAM J. TEAGUE.
Dean: J. P. SANDERS.
Dean of Students: (vacant).
Business Manager: J. C. MOORE, Jr.
Librarian: Mrs. DOROTHY MOORE.

Number of teachers: 60 full-time including 16 professors, 10 associate and 13 assistant.
Number of students: 616 men, 456 women, total 1,072.
Publications: *Bulletin* (8 times yearly), *Graphic* (weekly), *Promenade* (yearbook).

PHILADELPHIA COLLEGE OF PHARMACY AND SCIENCE
PHILADELPHIA 4, PENNSYLVANIA

President: ALFRED J. D'ANGELO, PH.G. (acting).
Vice-Presidents: WILSON MCNEARY, PH.C., PHAR.D., PH.M., ALFRED D'ANGELO, PH.G.
Secretary: JOSEPH W. E. HARRISSON, P.D., SC.D.

DIRECTORS:

Bacteriology: LOUIS GERSHENFELD, P.D., D.SC., PH.M.
Biological Sciences: MARIN S. DUNN, A.M., M.S. IN ED., PH.D.
Chemistry: ARTHUR OSOL, PH.G., M.S., PH.D.
Languages and Social Sciences: CHARLES E. WELCH, Jr., B.S., M.A.
Mathematics and Physics: ROBERT N. JONES, B.S., M.ED., ED.D.
Pharmacy: LINWOOD F. TICE, PH.G., D.SC.
Physiology, Pharmacology and Allied Subjects: G. VICTOR ROSSI, B.SC., PH.D.

PHILADELPHIA COLLEGE OF TEXTILES AND SCIENCE
PHILADELPHIA 44, PENNSYLVANIA

Telephone: VI 8-1300

Founded 1884

President: BERTRAND W. HAYWARD, B.S., LL.D.
Dean: DONALD B. PARTRIDGE, B.S., ED.M.
Director of Admissions: MOTT R. LINN, B.A., M.S.

Number of teachers: 50.
Number of students: 650.

POMONA COLLEGE
CLAREMONT, CALIFORNIA

Founded 1887.

President: E. WILSON LYON, B.A., PH.D., LL.D., D.LITT., L.H.D.
Dean of the Faculty: ERNEST A. STRATHMANN, M.A., PH.D.
Dean of Students: J. EDWARD SANDERS, M.A., PH.D.
Director of Admissions: WILLIAM L. WHEATON, B.A., M.A.
Dean of Men: SHELTON L. BEATTY, M.A., PH.D.
Dean of Women: JEAN B. WALTON, M.A., PH.D.
Registrar: MASAGO ARMSTRONG, M.A.

Library contains 319,242 volumes.
Number of teachers: 111.
Number of students: 1,100.
Publication: *Bulletin* (six times yearly).

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE
PRAIRIE VIEW, TEXAS

Founded 1876

President: EDWARD B. EVANS, V.M.D., D.SC.
Registrar: LEMMON C. MCMILLAN, M.A.
Business Manager: HORACE D. MURDOCK, M.B.A.
Librarian: ORESTES J. BAKER, M.L.S.

The library contains 67,977 volumes.
Number of teachers: 170.
Number of students: 1,624 men, 1,923 women, total 3,547.

DEANS:

Graduate School: JESSE M. DREW, ED.D.
School of Agriculture: GEORGE L. SMITH, M.S., D.ED. (h.c.)

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School of Arts and Sciences: THOMAS P. DOOLEY, PH.D.
School of Engineering: CLAUDE L. WILSON, M.E., M.S.
School of Home Economics: Mrs. E. MAY GALLOWAY, M.S.
School of Industrial Education: ALVIN I. THOMAS, PH.D.
School of Nursing Education: Mrs. ROSE E. HYNES, M.ED.
Dean of Student Life: THOMAS R. SOLOMON, PH.D.
Men: HARRY E. FULLER.
Women: Mrs. R. L. BLAND EVANS, M.S.

PRATT INSTITUTE

215 RYERSON STREET, BROOKLYN 5, N.Y.

Founded 1887.

President: RICHARD H. HEINDEL, A.B., M.A., PH.D., LITT.D.
Treasurer: FREDERICK C. TANNER, SC.D.
Secretary: RICE ESTES, A.B., B.L.S., M.A.
Registrar: MARY A. MULKEY.
Business Manager: STEPHEN H. MILLARD, B.S.
Comptroller: HUBERT M. RELYEA, B.A.
Vice-President for Student Affairs: LOUIS RABINEAU, B.A., M.A., ED.D.
Dean of Students: LEROY AUSTIN, B.S., M.B.A. (acting).
Librarian: RICE ESTES, A.B., B.L.S., M.A.

Number of teachers: 293.
Number of students: 2,527 day students, 1,254 evening students, total 3,781.
Publication: *Pratt Institute Bulletin.*

DEANS:

Art School: ALBERT CHRIST-JANER.
Engineering School: ROY H. COOK.
School of Continuing Professional Studies: BERNARD W. REED, B.S.
Library School: LOUIS D. SASS, B.A., M.A., PH.D.
School of Architecture: OLINDO GROSSI, A.B., B. OF ARCH., M.S. IN ARCH., N.C.A.R.B.
Division of General Studies: RANSOM E. NOBLE, A.B., M.A., PH.D.

PRINCETON THEOLOGICAL SEMINARY

PRINCETON, NEW JERSEY

Founded 1812

President: JAMES ILEY MCCORD, D.D., TH.D., LL.D., LITT.D., L.H.D.
Treasurer and Business Manager: GEORGE W. LOOS, Jr.
Registrar: JAMES FRANKLIN ARMSTRONG, PH.D.
Dean and Secretary of the Faculty: ELMER GEORGE HOMRIGHAUSEN, TH.D., D.D.
Director of Doctoral Studies: D. CAMPBELL WYCKOFF, PH.D.
Librarian: KENNETH SPERBER GAPP, PH.D.

Number of teachers: 46, including 23 professors.
Number of students: 772 men, 36 women, total 808.
Publications: *Spire, Bulletin, Alumni News.*

THE PRINCIPIA

13201 CLAYTON ROAD, ST. LOUIS 31, MISSOURI

For the sons and daughters of Christian Scientists.
Founded 1898; Incorporated 1912
The college campus is at Elsah, Illinois.

Chairman of Board of Trustees: G. ELDREDGE HAMLIN.
President: DAVID K. ANDREWS, ED.D., M.A.
Registrar: PHYLLIS M. KLEHM, B.A.
Librarian: DOROTHY A. BRADLEY, A.B., M.S., B.A.

The library contains 65,000 volumes.
Number of teachers: 51, including 18 professors.
Number of students: 550 (men and women).

DEANS:

College: C. THEODORE HOUPT, PH.D.
Men: ALLEN BROOKS, B.A.
Women: MARIAN R. WELLS, B.A.

QUEENS COLLEGE OF THE CITY OF NEW YORK

65-30 KISSENA BOULEVARD, FLUSHING, N.Y.

Founded 1937

(*see* City University of New York)

RADCLIFFE COLLEGE

10 GARDEN STREET, CAMBRIDGE 38, MASSACHUSETTS

Founded 1879; Chartered 1894.

President: Mrs. MARY I. BUNTING.
Administrative Vice-President: ARTHUR D. TROTTENBERG.
Registrar: Miss RUTH DAVENPORT.

The library contains 125,000 volumes.
Number of students: approx. 1,160 women.
Publications: *Radcliffe Alumnae Quarterly, Radcilffe: News from the College.*

DEANS:

Graduate Women in Harvard University: Mrs. WILMA ANDERSON KERBY-MILLER.
Instruction: Mrs. VAN COURTLANDT ELLIOTT.
Residence: Miss MARY HEATH WINSLOW.

The Faculty of Arts and Sciences of Harvard University is the Faculty of Radcliffe College.

RANDOLPH-MACON WOMAN'S COLLEGE

LYNCHBURG, VIRGINIA

Founded 1891

President: Dr. WILLIAM F. QUILLIAN, Jr.
Director of Admissions: MARY LEE TILLETTE.
Treasurer: V. HOWARD BELCHER.
Librarian: MARGARET F. THOMAS.

The library contains 96,560 volumes.
Number of teachers 79, including 21 professors.
Number of students 780.
Publications: *Catalogue, Student's Handbook, Pictorial Bulletin.*

DEANS:

College: Dr. HARRIET HUDSON.
Students: ALMEDA J. GARLAND.

REED COLLEGE

PORTLAND 2, OREGON

Founded 1909

President: RICHARD H. SULLIVAN.
Controller: GWEN L. TAYLOR.
Registrar: ELLEN K. JOHNSON.
Director of Alumni Office: FLORENCE W. LEHMAN.
Librarian: LUELLA R. POLLOCK.

The library contains 134,166 volumes.
Number of teachers: 103.
Number of students: 545 men, 367 women, total 912.

Deans of Students: ANN WESTENHAVER SHEPARD, JOHN A. DUDMAN.
Director of Admissions: GEORGE A. HAY, Jr.

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RHODE ISLAND SCHOOL OF DESIGN
PROVIDENCE 3, RHODE ISLAND

Founded 1877.

President: ALFRED BUSH-BROWN.
Vice-President and Dean of the College: DAVID L. STROUT, B.F.A.
Registrar: GEORGE L. BRADLEY, A.B.
Director of Admissions: CHARLES A. DUNN, Jr., B.F.A.
Dean of Students: ALFRED E. HAMMER.
Librarian: ALICE V. MCGRATH, PH.B.

Number of teachers: 100.
Number of students: 825.
Publications: *Annual Catalogue, Alumni Bulletin, Portfolio* (Student Year Book), *Spectrum* (Student Magazine).

RIPON COLLEGE
RIPON, WISCONSIN

Founded 1851

President: FRED O. PINKHAM, ED.D., LL.D.
Vice-President: JAMES L. STONE.
Secretary: GILBERT W. LAMBERT.
Treasurer: RICHARD B. GROUT.
Librarian: WILLIAM R. BRANDT, A.B., B.S.

The library contains 70,000 volumes.
Number of teachers: 67, including 18 full professors.
Number of students: 452 men, 233 women, total 685.

DEANS:

Dean of the College: ROBERT P. ASHLEY, PH.D.
Men: DAVID L. HARRIS, M.A., LITT.M.
Women: JEAN VAN HENGEL, M.A.

ROCKFORD COLLEGE
ROCKFORD, ILLINOIS

Women's College founded 1847, Men's College founded 1955, Co-educational 1959.

President: JOHN A. HOWARD, M.A., PH.D.
Vice-President for Development: LOUIS S. GIBB, M.A.
Director of Admissions: DAN TYSON.
Academic Dean: MARY V. BRAGINTON, PH.D., L.H.D.
Librarian: MARY JANE CARR.

Number of teachers: 42, including 13 professors.
Number of students: 240 women, 240 men, total 480.
Publications: *Bulletin, Information Book, Education for Living.*

ROSARY COLLEGE
RIVER FOREST, ILLINOIS

Founded 1848

President: Sister M. AURELIA, O.P., PH.D.
Dean of Studies: Sister M. FREDERICUS, O.P., PH.D.
Dean of Women: Sister M. MARGARITA, O.P., PH.D.
Registrar: Sister M. LIAM, O.P., A.B.
Business Officer: Sister MARIE MARTINE, O.P., A.B.
Director of Admissions: Sister M. ANNA, O.P., M.A.

The library contains 87,000 volumes.
Number of faculty members: 87.
Number of students: 1,041.

RUSSELL SAGE COLLEGE
TROY, NEW YORK

Founded 1916

President: Dr. LEWIS A. FROMAN.
Dean: VIRGINIA LEE HARVEY.
Business Manager: RICHARD C. DEBUS.
Director of Admissions: SUSAN A. EDWARDS.
Librarian: MARGARET R. MEYER.

Number of teachers: 77.
Number of students: 950 women.

SAINT JOHN'S COLLEGE
ANNAPOLIS, MARYLAND

President: RICHARD D. WEIGLE.
Dean: JOHN S. KIEFFER.
Assistant to the President: THOMAS PARRAN, Jr.
Treasurer: CHARLES T. ELZEY.
Registrar: MIRIAM STRANGE.
Librarian: CHARLOTTE FLETCHER.

Number of students: 300.

SAINT MARY'S COLLEGE
NOTRE DAME, INDIANA

Founded 1844

President: Sister MARIA RENATA, C.S.C.
Vice-President: Sister MARY GRACE, C.S.C.
Treasurer: Sister CHRISTINE MARIE, C.S.C.

The library contains 74,000 volumes.
Number of students: 1,141.
Publications: *Chimes* (quarterly), *Static, The Blue Mantle, Gabrielle, Holy Cross Courier.*

SAINT OLAF COLLEGE
NORTHFIELD, MINNESOTA

Founded 1874

President: Dr. SIDNEY A. RAND.
Vice-Presidents: DAVID JOHNSON, MAURICE KNUTSON.
Librarian: FORREST BROWN.

Number of teachers: 145, including 61 professors.
Number of students: 862 men, 942 women, total 1,804.
Publications: *Bulletin, Alumnus.*

DEANS:

Faculty: Dr. ORIN M. LOFTHUS.
Men: MARK ALMLI.
Women: LAVINIA ANDERSON.

SAN DIEGO STATE COLLEGE
5402 COLLEGE AVENUE, SAN DIEGO 15
CALIFORNIA

Founded 1897

President: MALCOLM A. LOVE.
Assistant to the President: ARVID T. JOHNSON.
Vice-President: ERNEST B. O'BYRNE.
Vice-President, Academic Affairs: DONALD R. WATSON.
Secretary: MAURICE L. CRAWFORD.
Dean of Admissions and Records: MELVIN A. ANDERSON.
Librarian: LOUIS A. KENNEY.

Number of teachers: 780, including 522 professers.
Number of students: 8,213 men, 5,493 women, total 13,706.
Publications: *General Catalogue, Graduate Catalogue, Bulletins, Alumni Quarterly, The Aztec Engineer, Business Inquiry.*

DEANS:

Executive Dean: DARREL C. HOLMES.
Students: HERBERT C. PEIFFER, Jr.
Activities: MARGERY ANN WARMER.
Guidance: DONALD F. HARDER.

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Business Administration: CHARLES W. LAMDEN.
Engineering: MARTIN P. CAPP.
Arts and Science: SIDNEY L. GULICK.
Education: MANFRED H. SCHRUPP.
Graduate Studies: MAURICE M. LEMME.
Faculty: DONALD R. WATSON.

SAN FRANCISCO STATE COLLEGE

SAN FRANCISCO 27, CALIFORNIA

Founded 1899

President: Dr. PAUL A. DODD.
Executive Dean: HARRY E. BRAKEBILL.
Registrar: HAROLD J. SOETERS.
Dean of Instruction: Dr. REGINALD BELL.
Dean of Educational Services and Summer Session: RAYMOND DOYLE.
Dean of Students: Dr. FERD D. REDDELL.
Librarian: Dr. KENNETH BROUGH.

Number of teachers: 715, including 543 professors.
Number of students: 12,448 (men and women).

SARAH LAWRENCE COLLEGE

BRONXVILLE 8, NEW YORK

Provisional Charter 1926; Absolute Charter 1931.
(Women only in undergraduate college; men admitted as graduate students).

President: PAUL L. WARD, A.B., PH.D., LL.D., L.H.D.
Dean of the College: MARJORIE DOWNING, A.B., A.M., PH.D.
Comptroller: EDITH G. MORRISON, A.B.
Director of Admissions: ALICE M. BOVARD, A.M.
Registrar: MURIEL E. HAWKS, A.B.
Librarian: ERMINE STONE, A.B.

The library contains 103,000 volumes.
Number of teachers: 84.
Number of students: 620.

SIMMONS COLLEGE

300 THE FENWAY, BOSTON 15, MASSACHUSETTS

Founded 1899

President: WILLIAM EDGAR PARK, B.D., D.D., S.M., L.H.D., LL.D.
Vice-President and Dean of Instruction: J. GARTON NEEDHAM, PH.D.
Treasurer and Comptroller: RICHMOND KNOWLTON BACHELDER, B.B.A.
Registrar: MARGARET KIMBALL GONYEA, S.B.
Director of the Library: KENNETH RAYMOND SHAFFER, A.B., B.S. IN L.S.

Number of teachers (full-time): 113, including 25 professors; (part-time): 150.
Number of students: 1,709 women, 74 men, total 1,783.
Publications: *Review, News, Outlook, Essays and Studies.*

DEANS:

College: ELEANOR CLIFTON, A.M.
Graduate Division: WYLIE SYPHER, PH.D.

SMITH COLLEGE

NORTHAMPTON, MASSACHUSETTS

Founded 1871.

President: THOMAS C. MENDENHALL, B.LITT., PH.D., L.H.D., LL.D.
Treasurer and Comptroller: WILLIAM A. BODDEN, A.B.
Secretary: FLORENCE MACDONALD, A.B.
Registrar: HELEN B. BISHOP, A.B.
Librarian: MARGARET LOUISE JOHNSON, A.B., B.S.
Dean: DORIS SILBERT, A.M.
Dean of Students: HELEN L. RUSSELL, PH.D.

The library contains 457,527 volumes.
Number of teachers: 260.
Number of students: 2,426 women.

Publications: *Smith College Studies* (4 series) in: *Modern Languages, History, Classical Languages, Social Work.*

PROFESSORS:

AARON, DANIEL, PH.D. (English Language and Literature).
ANSLOW, GLADYS AMELIA, PH.D. (Physics).
AVALLE-ARCE, JUAN BAUTISTA, PH.D. (Spanish Language and Literature).
BACON, DOROTHY CAROLIN, PH.D. (Economics).
BASKIN, LEONARD, B.A. (Art).
BRAGDON, CLIFFORD R., A.M., ED.M. (Education and Child Study).
CANTARELLA, MICHELE F., A.M. (Italian Language and Literature).
CARPENTER, ESTHER, PH.D., SC.D.(HON.) (Zoology).
CARTER, GWENDOLEN M., PH.D., LL.D. (Government).
CHINOY, ELY, PH.D. (Sociology).
COHEN, GEORGE (Art).
COHN-HAFT, LOUIS, PH.D. (History).
COLLIGNON, JEAN, Agrégée de l'Univ. (French Language and Literature).
CORWIN, VIRGINIA, B.D., PH.D. (Religion and Biblical Literature).
DENOOD, NEAL B., PH.D. (Sociology).
DERONDE, MARION, A.B. (Music).
DETRILLAFRANCA, GEORGE, PH.D. (Zoology).
DIMOCK, GEORGE E., Jr., PH.D. (Classical Language and Literatures).
DRIVER, ERNEST CHARLES, PH.D. (Zoology).
DUKE, JOHN WOODS (Music).
DURHAM, GEORGE STONE, PH.D. (Chemistry).
ETLER, ALVIN D., MUS.B. (Music).
FISHER, ALFRED Y., D. DE L'UNIV. (English Language and Literature).
GRAHAM, PAUL GERALD, PH.D. (German Language and Literature).
HILL, CHARLES JARVIS, PH.D. (English Language and Literature).
HITCHCOCK, HENRY RUSSELL, A.M. (Art).
HOBBS, ELIZABETH S., SC.D. (Zoology).
HOLLAND, LOUISE, PH.D. (Classical Languages and Literature).
HORNER, ELIZABETH, PH.D. (Zoology).
JOHNSTON, WILLIAM DENIS, M.A., LL.M. (Theatre and Speech).
JOSEPHS, JESS, PH.D. (Physics).
JULES, MERWIN (Art).
KENYON, CECELIA MARIE, PH.D. (Government).
LARKIN, OLIVER WATERMAN, A.M. (Art).
LAZEROWITZ, ALICE A., PH.D. (Philosophy).
LAZEROWITZ, MORRIS, PH.D. (Philosophy).
LEHMANN, PHYLLIS, PH.D. (Art).
LELAND, MARINE, PH.D. (French Language and Literature).
LINCOLN, ELEANOR TERRY, PH.D. (English Language and Literature).
MACSHERRY, CHARLES W., PH.D. (History).
MCCOY, NEAL HENRY, PH.D. (Mathematics).
MAIR, GEORGE F., PH.D. (Economics).
MANN, ARTHUR, PH.D. (History).
MOTT, JANE, PH.D. (Physical Education).
MOHLER, NORA M., PH.D. (Physics).
MUCHNIC, HELEN, PH.D. (Russian Language and Literature).
PUTNAM, RAYMOND PRENTICE (Music).
OVERSTREET, BURN, PH.D. (Government).
PARIS, JEAN (French Language and Literature).
RANDALL, HELEN WHITCOMB, PH.D. (English Language and Literature).
ROBINSON, ELIZABETH D., PH.D. (Bacteriology and Public Health).
ROOD, LOUISE, M.A. (Music).
RUSSELL, HELEN L., PH.D. (Physical Education).
SALEIL, A. JEANNE, Agrégée de l'Univ. (French Language and Literature).
SALVADORI, MAX, DR.SC.(POL.) (History).
SCHNIEDERS, MARIE, PH.D. (German Language and Literature).
SHEENAN, DONALD H., PH.D. (History).
SHERK, KENNETH W., PH.D. (Chemistry).

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SIIPOLA, ELSA, PH.D. (Psychology).
SILBERT, DORIS, A.M. (Music).
SMITH, ELINOR V., PH.D. (Bacteriology and Public Health).
SMITH, GERTRUDE P., PH.D. (Music).
SOFFER, MILTON D., PH.D. (Chemistry).
TEWINKEL, LOIS E., PH.D. (Zoology).
VAN DER POEL, PRISCILLA PAINE, A.M. (Art).
VON KLEMPERER, KLEMENS, PH.D. (History).
WALSH, DOROTHY, PH.D. (Philosophy).
WEINSTEIN, LEO, PH.D. (Government).
WILLIAMS, EDNA REES, PH.D. (English Language and Literature).
WILSON, JEAN, PH.D. (English Language and Literature).
WRIGHT, KENNETH E., (Botany).
WRINCH, DOROTHY, D.SC. (Physics).

MEDICAL COLLEGE OF SOUTH CAROLINA

CHARLESTON 16, SOUTH CAROLINA

Founded 1823

President: H. RAWLING PRATT-THOMAS, A.B., M.D.
Chancellor: KENNETH M. LYNCH, M.D., D.SC., LL.D.
Registrar: CATHERINE HARPER., A.B.
Librarian: Miss C. DESMOND KOSTER, A.B., B.S. IN L.S.

Number of teachers: 230, including 33 professors.
Number of students: 449 men, 199 women, total 648.
Publication: *Bulletin.*

DEANS:

School of Medicine: CHEVES MCC. SMYTHE, M.D.
School of Pharmacy: W. A. PROUT, PHM.D.
School of Nursing: RUTH CHAMBERLIN, B.S., M.A.
Clinical Medicine: VINCE MOSELEY, A.B., M.D.

SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE AND MECHANIC ARTS

COLLEGE STATION, SOUTH DAKOTA

Chartered as Dakota Agricultural College 1883; name changed 1907.

President: H. M. BRIGGS, B.S., M.S., PH.D.
Director of Finance: WESLEY A. BUGG, B.E., B.J.A.
Director of Admissions and Records: D. B. DONER, B.S.
Dean of Student Personnel: RAYMOND Y. CHAPMAN, M.A.
Librarian: ALFRED G. TRUMP, A.M.

The library contains 140,000 volumes.
Number of teachers: 240.
Number of students: 3,550.

DEANS:

Agriculture: ORVILLE G. BENTLEY, PH.D.
Engineering: MELVIN L. MANNING, M.S.
Science and Applied Arts: FRANK G. SCHULTZ, PH.D.
Nursing: INEZ G. HINSVARK, M.A.
Pharmacy: FLOYD J. LE BLANC, PH.D.
Home Economics: FRANCES M. HETTLER, M.S., PH.D.
Women: VIVIAN V. VOLSTORFF, PH.D.

THE SOUTHERN BAPTIST THEOLOGICAL SEMINARY

LOUISVILLE 6, KENTUCKY

Founded 1859

President: DUKE K. MCCALL, B.A., TH.M., PH.D., D.D. LL.D., LITT.D.
Registrar: THOMAS C. SHERWOOD.
Librarian: LEO T. CRISMON.

The library contains 150,000 volumes.
Number of teachers: 72, including 51 professors.
Number of students: 839 men, 211 women, total 1,050.
Publications: *The Tie* (monthly, except Aug. and Jan.), *The Review and Expositor* (quarterly).

DEANS:

Administration: HUGH R. PETERSON.
Students: W. PEYTON THURMAN.
School of Theology: C. PENROSE ST. AMANT.
School of Religious Education: ALLEN W. GRAVES.
School of Church Music: FORREST H. HEEREN.

SPRINGFIELD COLLEGE

263 ALDEN STREET, SPRINGFIELD, MASSACHUSETTS

Founded 1885

President: GLENN A. OLDS.
Registrar: OLGA E. ELLIS.
Librarian: DORIS FLETCHER.

The library contains 53,000 volumes.
Number of teachers: 90, including 62 professors.
Number of students: 1,459.
Publications: *Catalogue, Alumni Bulletin.*

DEANS:

College: CUMMINS E. SPEAKMAN.
Students: R. WILLIAM CHENEY.

SWARTHMORE COLLEGE

SWARTHMORE, PENNSYLVANIA

Founded 1864 by members of the Religious Society of Friends.

President: COURTNEY C. SMITH, M.A., PH.D., LL.D., L.H.D., LITT.D., O.B.E.
Vice-Presidents: EDWARD K. CRATSLEY, D.C.S., JOSEPH B. SHANE, M.A.
Registrar: JOHN M. MOORE, M.A., PH.D.
Dean: SUSAN P. COBBS, M.A., PH.D.
Librarian: MARTHA A. CONNOR, M.A. (acting).

The library contains 223,000 volumes.
Number of teachers: 106.
Number of students: 515 men, 460 women, total 975.
Publication: *Bulletin.*

PROFESSORS:

ASCH, SOLOMON E., B.S., M.A., PH.D. (Psychology).
BEARDSLEY, MONROE C., B.A., PH.D. (Philosophy).
BECKER, GEORGE J., M.A., PH.D. (English).
BEIK, PAUL H., M.A., PH.D. (History).
BRANDT, RICHARD B., B.A., PH.D. (Philosophy).
BRINKMANN, HEINRICH, JR., PH.D. (Mathematics).
CARPENTER, SAMUEL T., C.E., M.S. (Civil Engineering).
COBBS, SUSAN P., M.A., PH.D. (Classics).
CONARD, JOSEPH W., M.A., PH.D. (Economics).
CRATSLEY, EDWARD K., D.C.S. (Economics).
ELMORE, W. C., B.S., PH.D. (Physics).
ENDERS, ROBERT K., B.A., PH.D. (Biology).
FIELD, JAMES A., JR., M.A., PH.D. (History).
GARRETT, MILAN W., M.A., D.PHIL. (Physics).
JENKINS, HOWARD MALCOLM, B.A., E.E. (Electrical Engineering).
KEIGHTON, WALTER, JR., B.A., PH.D. (Chemistry).
LAFORE, LAURENCE D., M.A., PH.D. (History).
MCCRUMM, JOHN D., M.S. (Electrical Engineering).
MAUTNER, FRANZ, DR.PHIL. (German).
MOORE, JOHN M., M.A., PH.D. (Philosophy).
MORRILL, BERNARD, M.M.E., PH.D. (Mechanical Engineering).
NORTH, HELEN F., M.A., PH.D. (Classics).
PENNOCK, J. ROLAND, M.A., PH.D. (Political Science).
PIERSON, FRANK C., B.A., PH.D. (Economics).
RHYS, HEDLEY, M.A., PH.D. (Fine Arts).
SHANE, JOSEPH B., B.A., M.A. (Education).
SORBER, JAMES D., M.A. (Spanish).
TOLLES, FREDERICK B., M.A., PH.D. (History).
VAN DE KAMP, PETER, M.S., PH.D., D.PHIL. (Astronomy).
WALKER, ROBERT M., B.A., M.F.A., PH.D. (Fine Arts).
WALLACH, HANS, DR.PHIL. (Psychology).
WEBER, NEAL A., M.A., M.S., PH.D. (Zoology).
WILCOX, CLAIR, M.A., PH.D. (Economics).
WRIGHT, ELIZABETH COX, M.A., PH.D. (English).

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SWEET BRIAR COLLEGE

SWEET BRIAR, VIRGINIA

Chartered 1901.

President: Mrs. Anne Gary Pannell.
Dean: Mary J. Pearl.
Assistant Dean: Francis Suter.
Director of Admissions: Jean L. Williams.
Recorder: Jeanette Boone.
Librarian: H. Tyler Gemmell.

The library contains 99,206 volumes.
Number of teachers: 68.
Number of students: 580 women.
Publications: *Catalogue* (annual), *Newsletter*, *Alumnae News*.

TEXAS COLLEGE OF ARTS AND INDUSTRIES

KINGSVILLE, TEXAS

Founded 1917

Established as South Texas Normal School; name changed to South Texas State Teachers' College by law in 1923, and to Texas College of Arts and Industries by law in 1929.

President: J. C. Jernigan, M.S., PH.D.
Dean: Robert D. Rhode, M.A., PH.D.
Registrar and Director of Admissions: George W. McCulley, B.A., M.B.A., PH.D.
Librarian: Ned C. Morris, B.A. (acting).

The library contains 123,500 volumes and receives 900 periodicals.
Number of teachers: 164.
Number of students: 2,270 men, 1,247 women, total 3,517.

Deans:

Men: J. E. Turner, B.S., M.ED.
Women: Carrie Lee Bishop, M.S.
Agriculture: J. W. Howe, M.S., PH.D. (*Director*).
Arts and Sciences: S. Boyd Stewart, M.A., PH.D. (*Director*).
Business Administration: J. R. Manning, B.B.A., M.A., PH.D. (*Director*).
Engineering: F. H. Dotterweich, B.E., PH.D. (*Director*).
Teacher Education: John Glock, B.A., M.A., ED.D.
Graduate Studies: John C. Rayburn, B.S., M.A., PH.D. (*Director*).

TEXAS WESTERN COLLEGE OF THE UNIVERSITY OF TEXAS

EL PASO, TEXAS

Founded 1913

Formerly the College of Mines and Metallurgy

President: Joseph M. Ray.
Director of Admissions: J. M. Whitaker.
Librarian: Baxter Polk.

The library contains 147,000 volumes.
Number of teachers: 218, including 45 professors.
Number of students: 3,544 men, 1,905 women, total 5,449.

Deans:

Students: Clyde E. Kelsey, Jr.
Mines and Engineering: L. L. Abernethy.
Arts and Sciences: Ray Small.
Women: Louise Resley.
Men: Jimmy R. Walker.
Graduate: C. L. Sonnichsen.

TRENTON STATE COLLEGE

TRENTON 5, NEW JERSEY

Founded in 1855

President: Edwin L. Martin, PH.D.
Dean of the College: (vacant).
Dean of Students: Charles W. McCracken, PH.D.
Registrar: James M. Orr, M.A.
Librarian: Felix E. Hirsch, PH.D.

The Library contains 106,000 volumes.
Number of teachers: 145.
Number of students: 1,900 full-time, 2,500 part-time.

TRINITY COLLEGE

HARTFORD 6, CONNECTICUT

Founded 1823

President: Albert C. Jacobs.
Vice-President: Arthur H. Hughes.
Treasurer and Comptroller: J. Kenneth Robertson.
Secretary: Lawrence W. Towle.
Librarian: Donald B. Engley.

The library contains 380,000 volumes.
Number of teachers: 114, including 25 professors.
Number of students: 965.
Publications: *Tripod, Review, Bulletin, Library Gazette.*

Deans:

College: Arthur H. Hughes.
Students: O. W. Lacy.

TRINITY COLLEGE

WASHINGTON 17, D.C.

Founded 1897

President: Sister Margaret, S.N.D.
Vice-President for Academic Affairs: Sister Columba, S.N.D.
Vice-President for Development: Sister Martha Julie, S.N.D.
Dean of Students: Sister Mary Joan, S.N.D.
Assistant Dean of Students: Sister Janice Marie, S.N.D.
Director of Admissions: Sister Sheila, S.N.D.
Librarian: Sister Helen, S.N.D.
Registrar: Jane M. O'Boyle.
Business Officer: Sister Alice Clement, S.N.D.

The library contains over 80,000 vols.
Number of teachers: 61 full-time, 17 part-time.
Number of students: 4,400.
Publications: *Trinity College Catalogue, Trinity College Record, Trinity Times, Trinilogue, Alumnae Journal.*

UNION THEOLOGICAL SEMINARY

3041 BROADWAY, NEW YORK 27, N.Y.

Founded 1836

President: Rev. Henry P. Van Dusen, PH.D., D.D.
Dean of Faculty: Rev. John C. Bennett, M.A., D.D.
Registrar: Henrietta Harvin, M.A.
Librarian: Robert F. Beach, B.A., M.S.

The library contains 360,000 books, pamphlets and microfilms.
Number of teachers: 70, including 30 full professors. In addition the School of Sacred Music has 18 teachers.
Number of students: 526 men, 139 women, total 665.
Publication: *The Quarterly Review.*

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DEANS:
Students: Rev. JAMES MASE ALUT, B.D.
Women Students: HELEN SHERRILL.
Auburn Seminary: Rev. ROBERT W. LYNN, B.D.

DIRECTORS:
School of Sacred Music: ROBERT S. BAKER, S.M.D.
Studies: Rev. ROBERT T. HANDY, B.D., PH.D.
Graduate Studies: Rev. CYRIL C. RICHARDSON, TH.D., D.D.
Field Work: Rev. JOHN L. CASTEEL, PH.D., LL.D.
Summer Courses: Rev. FRANK O. REED, B.TH., B.LITT.
Auburn Programme: Rev. FRANK O. REED, B.TH., B.LITT.

ASSOCIATED SEMINARY:
Auburn Theological Seminary.

VASSAR COLLEGE
POUGHKEEPSIE, NEW YORK
Chartered 1861.

President: SARAH GIBSON BLANDING, A.M., LL.D., L.H.D.
Chairman of the Board of Trustees: JOHN WILKIE, A.B., M.B.A.
Treasurer: NORMAN C. SMITH, A.B.
Secretary: THEODORE H. ERCK, PH.D.
Dean of Faculty: MARION TAIT, PH.D.
Dean of Studies: INEZ NELBACH, M.A.
Librarian: JEAN MCFARLAND, M.A.

The library contains 350,000 volumes.
Number of teachers: 185, including 56 professors.
Number of students: 1,500 women.

PROFESSORS:
ASPREY, WINIFRED, PH.D. (Mathematics).
BAKER, FRANCES E., PH.D. (Mathematics).
BAKER, GLADYS E., PH.D. (Plant Science).
BARBER, LEILA COOK, A.M. (Art).
BROOKS, RICHARD A. E., PH.D. (English).
CHAPMAN, DWIGHT W., JR., PH.D. (Psychology).
CHURCH, JOSEPH, PH.D. (Child Study).
CLAFLIN, AGNES RINDGE, PH.D. (Art).
CLARK, EVALYN A., PH.D. (History).
CRABB, CECIL A., PH.D. (Political Science).
CRAWFORD, H. MARJORIE, PH.D. (Chemistry).
CROUCH, JOHN (Music—Piano).
DEGLER, CARL N., PH.D. (History).
ELLIS, RUTH H., PH.D. (Chemistry).
ERCK, THEODORE, PH.D. (Classics).
GRIFFIN, CHARLES CARROLL, PH.D. (History).
GROVES, EARL W., MUS.M. (Music).
HILLIS, MARY, PH.D. (Chemistry).
HOUGHTON, NORRIS, A.B. (Drama).
KEMPTON, RUDOLF T., PH.D. (Zoology).
KOEMPEL, LESLIE A., PH.D. (Sociology).
LINNER, EDWARD R., PH.D. (Chemistry).
MCDONALD, JANET, PH.D. (Mathematics).
MACMAHON, EDNA C., PH.D. (Economics).
MADARIAGA, PILAR DE, M.A., D.L.M. (Spanish).
MERCER, CAROLINE G., PH.D. (English).
MOLIN, ALMA, PH.D. (History).
MYERS, MARGARET G., PH.D. (Economics).
NEWTON, ABBA, PH.D. (Mathematics).
NOVOA, SOFÍA, PH.D. (Spanish).
PAMPLUNE, LOUIS, AGR.DES L. (French).
PARRISH, CARL, PH.D. (Music).
PEARSON, DONALD, MUS.M., M.A. (Music).
PEARSON .HOMER, A.M. (Music).
PFUETZE, PAUL E. (Religion).
PICCIRILLI, MARIA DE'N., PH.D. (Italian).
PIERCE, MADALENE E., PH.D. (Zoology).
POLTORATZKY, MARIANNA A., PH.D. (Russian).
POST, CHARLES G., PH.D. (Political Science).
RANZONI, FRANCIS, PH.D. (Plant Science).
ROSS, JAMES B., PH.D. (History).
ROSS, JANET, PH.D. (French).
ROWLEY, JEAN B., PH.D. (Psychology).
RUBENSTEIN, LEWIS, A.B. (Art).
RYBERG, INEZ SCOTT, PH.D. (Classics).
STAVRIDES, RIA, PH.D. (Philosophy).
STONE, L. JOSEPH, PH.D. (Child Study).
TAIT, MARION, PH.D. (Classics).
TOKAY, ELBERT, PH.D. (Physiology).
TURNER, SUSAN JANE, PH.D. (English).
VENABLE, RUTH DILLARD, A.B., LIC. ÈS L. (French).
VENABLE, VERNON, PH.D. (Philosophy).
WARTHIN, ALDRED SCOTT, JR., PH.D. (Geology).
WHEELER, HELEN, A.M. (English).
WRIGHT, MARGARET, PH.D. (Zoology).
ZORZOLI, ANITA, PH.D. (Physiology).

MEDICAL COLLEGE OF VIRGINIA
RICHMOND, VIRGINIA
Founded 1838

President: R. BLACKWELL SMITH, JR.
Assistant President: Col. JOHN H. HEIL, JR.
Vice-President and Director of Hospitals: Dr. C. P. CARDWELL, JR.
Comptroller: L. DANIEL CROOKS.
Librarian: Mrs. JUNE LEATH HUNTLEY.

The library contains 70,771 books and periodicals.
Number of teachers: 696.
Number of students: approximately 1,188.

DEANS:
School of Medicine: KINLOCH NELSON.
School of Dentistry: HARRY LYONS.
School of Pharmacy: WARREN E. WEAVER.
School of Nursing: DORIS B. YINGLING.
School of Graduate Studies: EBBE C. HOFF.

VIRGINIA STATE COLLEGE
PETERSBURG, VIRGINIA

Founded by State of Virginia as Virginia Normal and Collegiate Institute 1882; opened 1883; name changed to Virginia Normal and Industrial Institute 1902; to Virginia State College for Negroes 1930; to Virginia State College 1946.

President: ROBERT PRENTISS DANIEL.
Treasurer and Comptroller: JAMES B. CEPHAS.
Dean: JOHN M. HUNTER.
Registrar: J. LOUISE BARRETT.

Number of teachers: 306.
Number of students: 7,877.
Includes the Norfolk Division at Norfolk, Va., the Extension Department, Summer School, and Laboratory Schools.

DIRECTORS OF SCHOOLS AND DIVISIONS:
Agriculture: MILLARD T. CARTER.
Arts and Sciences: REUBEN R. MCDANIEL.
Commerce: GEORGE G. SINGLETON.
Education: ALBERT T. HARRIS.
Graduate: J. M. HUNTER.
Home Economics: MILDRED N. JORDAN.
Industries: PAUL R. MILLER.
General Education: J. W. WALLACE.
Field Services: SAMUEL A. MADDEN.
Norfolk Division: L. B. BROOKS (*Provost*).

PERSONNEL DEANS:
Men: H. COLSON JACKSON.
Women: BEATRICE B. MATTOX.

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WASHINGTON AND JEFFERSON COLLEGE

WASHINGTON, PENNSYLVANIA

Washington Academy chartered 1787, rechartered as Washington College 1806; Jefferson Academy (Canonsburg) chartered 1794, rechartered as Jefferson College 1802; Colleges united 1865.

President: Boyd Crumrine Patterson, ph.d.
Dean of College: John W. May, ph.d.
Dean of Students: Dudley R. Johnson, ph.d.
Dean of Student Personnel: Frederick J. Frank, m.s.
Business Manager: W. Stewart McCready, b.a.

Number of teachers: 63.
Number of students: 793 (men).

WELLESLEY COLLEGE

WELLESLEY 81, MASSACHUSETTS

Chartered 1870; opened 1875.

President: Margaret Clapp.
Business Manager: Robert J. Schneider.
Treasurer: Henry A. Wood, Jr.
Acting Dean of Faculty: Virginia Onderdonk.
Dean of Students: Teresa Frisch.
Director of Admissions: Barbara Clough.
Librarian: Helen M. Brown.

The library contains 365,000 volumes.
Number of teachers: 175.
Number of students: 1,700 women.

WELLS COLLEGE

AURORA, NEW YORK

Founded 1868

President: Louis Jefferson Long, ph.d.
Dean of the Faculty: Robert Gordon Hallwachs, ph.d.
Dean of Students: Rose Christopher Miller, m.a.
Vice-President for Fund Development: Vincent Claud de Baun, ph.d.
Treasurer: William Edward Camp, b.a.
Registrar: Ruth Wyckoff Moe, b.a.
Director of Admissions: Jurgen A. Thomas, m.a.

The library contains 130,700 volumes.
Number of teachers: 62.
Number of students: 502.
Publications: *Wells Express, Wells College Catalogue.*

WESTMINSTER COLLEGE

NEW WILMINGTON, PENNSYLVANIA

Founded 1852

President: Will W. Orr, a.b., b.d., d.d., litt.d., ll.d.
Registrar: William T. Bolyard, a.b., m.s.
Executive Secretary of Alumni: David L. Colton, b.a.

Number of teachers: 97, including 21 professors.
Number of students: 837 men, 694 women, total 1,531.

Deans:

College: Charles F. Saylor, m.a., d.ed.
Men: Graham M. Ireland, m.b.a.
Women: Catherine T. McClure, m.a., r.n., m.n., m.litt., ph.d.
Chapel: Judson C. McDonnell, a.b., b.d.

WEST VIRGINIA STATE COLLEGE

INSTITUTE, WEST VIRGINIA

Founded 1891 as a land-grant college by West Virginia Legislature.

President: William J. L. Wallace, ph.d.
Dean: Harrison H. Ferrell, ph.d.
Business Manager: R. B. Welch.
Registrar: Daniel P. Lincoln.
Librarian: John E. Scott.

The library contains 59,085 volumes.
Number of teachers:: 119.
Number of students: 1,631 men, 871 women, total 2,502.

Deans:

Summer Session: Harrison H. Ferrell, ph.d. (*Director*).
Men: James Kelly, Jr.
Women: Willie P. Russell.

WHEATON COLLEGE

NORTON, MASSACHUSETTS

Founded 1834

President: William C. H. Prentice, ph.d.
Registrar: Leah Margaret Dearden, a.m.
Comptroller: Peter Wieliczko, b.s.
Director of Admissions: Barbara Ziegler, a.m.
Librarian: Hilda Frame Harris, a.b., b.s.

The library contains 100,000 volumes.
Number of teachers: 90, including 29 professors.
Number of students: 870.
Publications: *Bulletin, Newsletter.*

Deans:

Dean of the College: Elizabeth Stoffregen May, ph.d.
Students: Leota Carolene Colpitts, a.m.

WHEATON COLLEGE

WHEATON, ILLINOIS

Founded 1860

President: Dr. V. Raymond Edman, ph.d., ll.d., d.d.
Registrar: Dr. Enock C. Dyrness, a.m., ll.d.
Business Manager: Harold G. Faulkner.
Dean: Dr. John H. Fadenrecht, ed.d.
Director of Admissions: Charles W. Schoenherr, a.m.
Director of Conservatory: Edward A. Cording, b.s.
Librarian: Robert A. Golter, m.s. in l.s.

Number of teachers: 148, including 46 professors.
Number of students: 1,041 men, 851 women, total 1,892.
Publications: *Bulletin* (8 times a year), *Kodon, Record, Tower* (yearbook).

Deans:

Students: Dr. Arthur H. Volle, ph.d.
Women: Mrs. Jean R. Kline, a.m.
Graduate School: Dr. Merrill C. Tenney, th.b., ph.d.
Director of Nursing: Miss Mary Mitchell, r.n., a.m.

WHEELING COLLEGE

WHEELING, WEST VIRGINIA

Founded 1954

President: Very Rev. William F. Troy, s.j.
Registrar: (Vacant).
Business Officer: George Zorn.
Dean: John J. Schneider.
Librarian: Josephine Shuaro.

Number of students: 515.

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DEANS:
Students: WILLIAM K. MCGROARTY.
Women: ANNE M. BARRY.
Summer Session: JOHN J. SCHNEIDER.

COLLEGE OF WILLIAM AND MARY IN VIRGINIA
WILLIAMSBURG, VIRGINIA

Founded 1693.

President: DAVIS YOUNG PASCHALL, A.M., PH.D.
Bursar: ROBERT T. ENGLISH, JR.
Registrar: J. WILFRED LAMBERT, A.B.
Librarian: JAMES A. SERVIES, PH.B., A.M.

The library contains 296,638 volumes.
Number of teachers: 224.
Number of students: 2,670.
Publication: *The William and Mary Quarterly.*

DEANS:
Faculty: W. MELVILLE JONES, PH.D.
Students: J. WILFRED LAMBERT, A.B.
Men: CARSON H. BARNES, JR., A.B., M.ED.
Women: BIRDENA ESTHER DONALDSON, ED.D.
Marshall-Wythe School of Law: DUDLEY WARNER WOODBRIDGE, A.B., J.D., JOSEPH CURTIS, B.S., LL.B., LL.M. (*Acting Dean*).

WILLIAMS COLLEGE
WILLIAMSTOWN, MASSACHUSETTS

Chartered as Free School 1785; College Charter granted 1793.

President: JOHN E. SAWYER, B.A., M.A., LL.D.
Secretary of Faculty: CHARLES D. COMPTON, PH.D.
Treasurer: CHARLES A. FOEHL, B.A., LL.B.
Dean: ROBERT R. R. BROOKS, PH.D.
Director of Admissions: FREDERICK C. COPELAND, PH.D.
Registrar: KATHRYN MCCRAW.
Librarian: WYLLIS E. WRIGHT, M.A., B.S.

The library contains 240,000 volumes.
Number of teachers: 146.
Number of students: 1,150 men.

WILSON COLLEGE
CHAMBERSBURG, PENNSYLVANIA

Founded 1869

President: PAUL SWAIN HAVENS.
Business Manager: ALFRED DOANE STOUT.
Librarian: HELEN IDE BORNEMAN.

The library contains 82,100 volumes.
Number of teachers: 56, including 14 professors.
Number of students: 568.
Publication: *Catalogue.*

DEANS:
Dean of the College: MARGARET CRISWELL DISERT.
Dean of Residence: CATHARINE LUELLA HICKS.
Dean of Freshmen: MARY JO CLARK.

COLLEGE OF WOOSTER
WOOSTER, OHIO

Founded 1866

President: HOWARD F. LOWRY, PH.D., LITT.D., LL.D., D.C.L., L.H.D.
Vice-President: WINSLOW S. DRUMMOND, B.TH., D.D.
Secretary: RODNEY S. WILLIAMS, B.A.
Registrar and Director of Admissions: ROBERT S. COPE, PH.D.
Librarian: MAUDIE L. NESBITT, B.A., B.S. IN L.S.

The library contains 153,425 volumes.
Number of teachers: 110.
Number of students: 1,420.
Publications: *Scot Calendar, Catalog, Wooster Voice, Wooster Alumni, Bulletin from Wooster,* etc.

DEANS:
College: J. GARBER DRUSHAL, PH.D.
Women: EDITH TURNER FREY, B.A., M.A.
Men: RALPH A. YOUNG, B.A., B.D.

TECHNOLOGICAL INSTITUTES

CALIFORNIA INSTITUTE OF TECHNOLOGY
PASADENA, CALIFORNIA

Founded 1891

President: LEE A. DUBRIDGE, PH.D., SC.D., LL.D., L.H.D.
Vice-President for Business Affairs: R. B. GILMORE, B.S., C.P.A.
Provost: R. F. BACHER, PH.D., SC.D.
Dean of Graduate Studies: FREDERIC BOHNENBLUST, PH.D.
Dean of Admissions: L. W. JONES, A.B.
Dean of Students: P. C. EATON, A.M.
Dean of Freshmen: T. F. STRONG, M.S.
Comptroller: ROBERT T. BAKER.
Secretary: H. H. G. NASH.
Registrar: HENRY I. WEITZEL, PH.D.
Librarian: HARALD OSTVOLD, M.A.

The library contains 143,815 volumes.
Number of teachers: 530.
Number of students: 1,400.

CHAIRMEN OF DIVISIONS:
Biology: RAY D. OWEN, PH.D.
Chemistry and Chemical Engineering: JOHN D. ROBERTS, PH.D.
Engineering and Applied Science: FREDERICK C. LINDVALL, PH.D.
Geological Sciences: ROBERT P. SHARP, PH.D.
Humanities: HALLETT D. SMITH, PH.D.
Physics, Mathematics and Astronomy: CARL D. ANDERSON, PH.D.

PROFESSORS:

ANDERSON, CARL D., PH.D., SC.D., LL.D. (Physics).
APOSTOL, TOM M., PH.D. (Mathematics).
BACHER, R. F., PH.D., SC.D. (Physics).
BADGER, RICHARD M., PH.D. (Chemistry).
BARNES, CHARLES A., PH.D. (Physics).
BENIOFF, V. H., PH.D. (Seismology).
BOEHM, FELIX, PH.D. (Physics).
BOHNENBLUST, H. FREDERIC, PH.D. (Mathematics).
BONNER, JAMES F., PH.D. (Biology).

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BORSOOK, HENRY, PH.D., M.D. (Biochemistry).
BROOKS, N. H., PH.D. (Civil Engineering).
BROWN, HARRISON S., PH.D. (Geochemistry).
CAMPBELL, D. H., PH.D. (Immunochemistry).
CAUGHEY, T. K., PH.D. (Applied Mechanics).
CHRISTY, ROBERT, PH.D. (Theoretical Physics).
CLARK, DONALD S., PH.D. (Mechanical Engineering).
CLARK, J. KENT, PH.D. (English).
COLE, JULIAN D., PH.D. (Aeronautics).
CORCORAN, WILLIAM H., PH.D. (Chemical Engineering).
COREY, R. B., PH.D. (Structural Chemistry).
COWAN, EUGENE W., PH.D. (Physics).
CREDE, CHARLES E., M.S. (Mechanical Engineering and Applied Mechanics).
DAVIDSON, NORMAN R., PH.D. (Chemistry).
DAVIS, LEVERETT, Jr., PH.D. (Theoretical Physics).
DELBRÜCK, MAX, PH.D. (Biology).
DEPRIMA, CHARLES R., PH.D. (Applied Mechanics).
DILWORTH, ROBERT P., PH.D. (Mathematics).
DIX, CHARLES H., PH.D. (Geophysics).
DREYER, WILLIAM J., PH.D. (Biology).
DUWEZ, POL, D.SC. (Materials Science).
EAGLESON, HARVEY, PH.D. (English).
EGGEN, OLIN J., PH.D. (Astronomy).
ELLIOT, DAVID C., PH.D. (History).
EMERSON, STERLING, PH.D. (Genetics).
EPSTEIN, SAMUEL, PH.D. (Geochemistry).
ERDELYI, A., D.SC. (Mathematics).
FEYNMAN, R. P., PH.D. (Theoretical Physics).
FOWLER, WILLIAM ALFRED, PH.D. (Physics).
FRIEDLANDER, SHELDON K., PH.D. (Chemical Engineering and Environmental Health Engineering).
FUNG, YUAN-CHENG, PH.D. (Aeronautics).
GELL-MANN, MURRAY, PH.D. (Theoretical Physics).
GILBERT, HORACE N., M.B.A. (Business Economics).
GOULD, ROY W., PH.D. (Electrical Engineering and Physics).
GRAY, ROBERT D., B.S. (Economics and Industrial Relations).
GREENSTEIN, J. L., PH.D. (Astrophysics).
HAAGEN-SMIT, ARIE JAN, PH.D. (Bio-Organic Chemistry).
HALL, MARSHALL, Jr., PH.D. (Mathematics).
HAMMOND, GEORGE S., PH.D. (Organic Chemistry).
HODGE, ALAN J., PH.D. (Biology).
HOROWITZ, NORMAN H., PH.D. (Biology).
HOUSNER, GEORGE W., PH.D. (Civil Engineering and Applied Mechanics).
HUDSON, DONALD E., PH.D. (Mechanical Engineering and Applied Mechanics).
KAMB, W. BARCLAY, PH.D. (Geology).
KING, ROBERT B., PH.D. (Physics).
KLEIN, ARTHUR L., PH.D. (Aeronautics).
KUPPERMANN, ARON, PH.D. (Chemical Physics).
LAGERSTROM, PACO, PH.D. (Aeronautics).
LANG, ANTON, PH.D. (Biology).
LANGMUIR, ROBERT V., PH.D. (Electrical Engineering).
LAURITSEN, THOMAS, PH.D. (Physics).
LEES, LESTER, M.S. (Aeronautics).
LEIGHTON, ROBERT B., PH.D. (Physics).
LEWIS, EDWARD BUTTS, PH.D. (Biology).
LIEPMANN, H. W., PH.D. (Aeronautics).
LINDVALL, FREDERICK C., PH.D. (Electrical and Mechanical Engineering).
LOWENSTAM, HEINZ. PH.D. (Palæoecology).
LUXEMBURG, W. A. J., PH.D. (Mathematics).
MCCANN, GILBERT D., PH.D. (Electrical Engineering).
MCCONNELL, HARDEN M., PH.D. (Chemistry and Physics).
MCKEE, JACK E., SC.D. (Environmental Health Engineering).
MARBLE, FRANK E., PH.D. (Jet Propulsion and Mechanical Engineering).
MIKLOWITZ, JULIUS, PH.D. (Applied Mechanics).
MILLIKAN, CLARK B., PH.D. (Aeronautics).
MITCHELL, HERSCHEL K., PH.D. (Biology).
MOSSBAUER, R. L., DR. RER. NAT. (Physics).
MORELLI, DINO A., PH.D. (Engineering Design).
MUNCH, GUIDO, PH.D. (Astronomy).
MUNGER, EDWIN S., PH.D. (Geography).
NEHER, HENRY VICTOR, PH.D. (Physics).
NIEMANN, CARL G., PH.D. (Organic Chemistry).
OWEN, RAY D., PH.D. (Biology).
PAPAS, CHARLES H., PH.D. (Electrical Engineering).
PAUL, RODMAN W., PH.D. (History).
PAULING, LINUS, PH.D., SC.D., L.H.D., U.J.D. (Chemistry).
PICKERING, WILLIAM HAYWARD, PH.D. (Electrical Engineering).
PLESSET, MILTON S., PH.D. (Engineering Science).
PRESS, FRANK, PH.D. (Geophysics).
RANNIE, W. DUNCAN, PH.D. (Jet Propulsion).
RICHTER, CHARLES F., PH.D. (Seismology).
ROBERTS, JOHN D., PH.D. (Organic Chemistry).
ROBINSON, G. WILSE, PH.D. (Physical Chemistry).
ROSHKO, ANATOL, PH.D. (Aeronautics).
SABERSKY, ROLF H., PH.D. (Mechanical Engineering).
SAGE, BRUCE H., PH.D., D.ENG. (Chemical Engineering).
SECHLER, ERNEST E., PH.D. (Aeronautics).
SHARP, ROBERT P., PH.D. (Geology).
SINSHEIMER, ROBERT L. (Biophysics).
SMITH, HALLETT D., PH.D. (English).
SMYTHE, WILLIAM RALPH, PH.D. (Physics).
SPERRY, ROGER W., PH.D. (Psychobiology).
STANTON, ROGER F., PH.D. (English).
STERN, ALFRED, PH.D. (Languages and Philosophy).
STEWART, H. J., PH.D. (Aeronautics).
STROUT, S. C., PH.D. (History).
STURDIVANT, JAMES H., PH.D. (Chemistry).
SUTTON, RICHARD M., PH.D. (Physics).
SWEEZY, A. R., PH.D. (Economics).
SWIFT, ERNEST H., PH.D. (Analytical Chemistry).
TODD, JOHN, B.SC. (Mathematics).
TOLLESTRUP, A. V., PH.D. (Physics).
TYLER, A., PH.D. (Embryology).
UNTEREINER, RAY E., PH.D. (Economics).
VAN HARREVELD, ANTHONIE, PH.D., M.D. (Physiology).
VANONI, VITO A., PH.D. (Hydraulics).
WALKER, ROBERT L., PH.D. (Physics).
WASER, JURG, PH.D. (Chemistry).
WASSERBURG, G. J., PH.D. (Geology).
WAYLAND, J. HAROLD, PH.D. (Engineering Science).
WHALING, WARD, PH.D. (Physics).
WHITHAM, G. B., PH.D. (Aeronautics and Mathematics).
WIERSMA CORNELIS A. G., PH.D. (Biology).
WILLIAMS, MAX L., Jr., PH.D. (Aeronautics).
WILTS, CHARLES H., PH.D. (Electrical Engineering).
WOOD, DAVID S., PH.D. (Mechanical Engineering).
WU, THEODORE Y-T., PH.D. (Applied Mechanics).
YOST, DON M., PH.D. (Inorganic Chemistry).
ZWICKY, FRITZ, PH.D. (Astrophysics).

CALIFORNIA STATE POLYTECHNIC COLLEGE

SAN LUIS OBISPO, CALIFORNIA

Founded 1901

President: JULIAN A. MCPHEE, B.S., M.A., LL.D.
Vice-President: ROBERT E. KENNEDY, A.B., M.A.

Number of teachers: 547, including 103 full professors.
Number of students: 9,215.

DEANS:

Executive Dean, Planning and Development: HUGH O. LABOUNTY, B.A., M.A., ED.D.
Executive Dean, Operations Analysis: HAROLD O. WILSON, B.S.
San Luis Obispo Campus:
College: DALE W. ANDREWS, B.S., M.A., PH.D.
Students: EVERETT M. CHANDLER, A.B.
Agricultural Division: WARREN T. SMITH, B.S., M.S.
Engineering Division: HAROLD P. HAYES, B.M.E.
Applied Arts Division: CARL C. CUMMINS, A.B., M.S., ED.D.
Applied Science Division: CLYDE P. FISHER, A.B., M.A., PH.D.
Kellogg Campus (Pomona):
College: CHESTER O. MCCORKLE, B.S., M.S.
Students: THOMAS H. MCGRATH, B.A., M.A.
Agriculture Division: CARL R. ENGLUND, B.S.
Engineering Division: HAROLD P. SKAMSER, B.E., M.A., B.S.E.E.
Arts and Sciences Division: ROBERT L. MAURER, B.A., M.A., PH.D.

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CARNEGIE INSTITUTE OF TECHNOLOGY

SCHENLEY PARK, PITTSBURGH 13, PENNSYLVANIA

Founded 1900.

President: JOHN C. WARNER, A.M., PH.D., LL.D.
Vice-President—Development: H. RUSSELL BINTZER, M.S.
Vice-President for Business Affairs: R. D. STRATHMEYER, B.S.
Librarian: KENNETH H. FAGERHAUGH, A.B., A.B.L.S.

The library contains 200,000 volumes.
Number of teachers: 331.
Number of students: 2,699 men, 930 women, total 3,629.

DEANS, ETC.

College of Engineering and Science: B. RICHARD TEARE, Jr., M.S., D.ENG.
Division of Humanities and Social Sciences: JOHN R. COLEMAN, M.A., PH.D.
Evening Classes: KENNETH R. BURCHARD, A.B. (*Director*).
Summer Session: KENNETH R. BURCHARD, A.B. (*Director*).
Margaret Morrison Carnegie College: ERWIN STEINBERG, PH.D.
College of Fine Arts: NORMAN L. RICE, B.A.
Graduate School of Industrial Administration: RICHARD M. CYERT, B.S., PH.D.
Associate Dean for Graduate Studies: CHARLES L. MCCABE, D.SC.
Dean of Research: EDWARD R. SCHATZ, M.S., D.SC.
Dean of Men: EARLE R. SWANK, A.B., M.A.
Dean of Women: VIRGINIA B. MILLIGAN, A.B., M.R.E.
Division of Student Personnel and Welfare: GEORGE K. BROWN, PH.D.
Department of Public Relations: DENTON BEAL, A.B., M.A. (*Director*).

FULL PROFESSORS:

College of Engineering and Science:

ASHKIN, JULIUS, PH.D. (Physics).
CANJAR, LAWRENCE N., M.S., D.SC. (Chemical Engineering).
CARLIN, ROBERT B., PH.D. (Chemistry).
CUTKOSKY, RICHARD E., M.S., PH.D. (Physics).
DE BENEDETTI, SERGIO, D.SC. (Physics).
DERGE, GERHARD J., M.A., PH.D. (Metallurgical Engineering).
DUFFIN, RICHARD J., PH.D. (Mathematics).
FORSTALL, WALTON, Jr., M.E., M.S., SC.D. (Mechanical Engineering).
FOX, JOHN G., M.S., PH.D. (Physics).
FINZI, LEO A., M.E.E., D.ING. (Electrical Engineering).
FRIEDBERG, SIMEON A., M.S., D.SC. (Physics).
FUGASSI, JAMES P., M.S., PH.D. (Chemistry).
KOHMAN, TRUMAN P., PH.D. (Chemistry).
LONGINI, RICHARD L., M.S., PH.D. (Solid State Electronics).
MCCABE, CHARLES L., D.SC. (Metallurgical Engineering).
MCKINNEY, DAVID S., M.S., D.SC. (Chemistry).
MEHL, ROBERT FRANKLIN, SC.D., PH.D., D.ENG. (Metallurgical Engineering).
MILNES, ARTHUR G., M.SC., D.SC. (Electrical Engineering).
MONRAD, CARL C., M.S., PH.D. (Chemical Engineering).
MOSKOVITZ, DAVID, M.S., PH.D. (Mathematics).
NEHARI, Z., M.SC., PH.D. (Mathematics).
NEWELL, ALLAN, PH.D. (Systems and Communication Sciences).
NOLL, WALTER, PH.D. (Mathematics).
OSTERLE, J. F., D.SC. (Mechanical Engineering).
PAXTON, HAROLD W., M.SC., PH.D. (Metallurgical Engineering).
PENNEY, G. W., M.S. (Electrical Engineering).
PERLIS, ALAN J., M.S., PH.D. (Mathematics).
PHILBROOK, W. O., B.S. (Metallurgical Engineering).
POPLE, JOHN A., M.A., PH.D. (Chemical Physics).
POUND, GUY M., M.S., PH.D. (Metallurgical Engineering).
PUGH, E. M., M.S., PH.D. (Physics).
ROTHFUS, ROBERT R., M.S., D.SC. (Chemical Engineering).
SCHATZ, EDWARD R., M.S., D.SC. (Electrical Engineering).
SHAW, MILTON C., M.S., PH.D. (Mechanical Engineering).
SOUTHWICK, P. L., M.A., PH.D. (Chemistry).
STELSON, THOMAS E., M.S., D.SC. (Civil Engineering).
SUTTON, ROGER B., M.A., PH.D. (Physics).
TEARE, BENJAMIN RICHARD, Jr., M.S., D.ENG. (Electrical Engineering).
TOOR, HERBERT L., M.S., PH.D. (Chemical Engineering).
WILLIAMS, EVERARD M., B.E., PH.D. (Electrical Engineering).
WOLFENSTEIN, LINCOLN, M.S., PH.D. (Physics).

College of Fine Arts:

BENN, OLETA A., M.F.A. (Music Education).
BOETTCHER, HENRY F., M.A., PH.B., M.F.A. (Drama).
CARRA, LAWRENCE, B.A., M.F.A. (Drama).
CORRIGAN, ROBERT W., M.A., PH.D. (Drama).
DORIAN, F., PH.D. (Music).
HARTH, SYDNEY, B.M. (Music).
LEPPER, ROBERT L., B.A. (Design).
LEWIS, DAVID, DIPL.ARCH. (Architecture).
LOPATNIKOFF, N., DIP. ING. (Music Composition).
PEKRUHN, JOHN E., B.ARCH. (Architecture).
RICE, NORMAN L., B.A. (Painting).
ROBERTSON, JAMES, M. OF ARCH. (Architecture).
ROSENBERG, JAMES L., M.A., PH.D. (Drama).
ROSENBERG, SAMUEL, A.B. (Painting).
SCHWEIKHER, PAUL, M.F.A., M.A. (HON.) (Architecture).
SKINNER, EDITH W., M.A. (Voice and Speech).
TAYLOR, ROBERT W., M.F.A. (Architecture).

Division of Humanities and Social Sciences:

BACH, G. L., PH.D., LL.D. (Economics).
BRONFENBRENNER, MARTIN, A.B., PH.D. (Economics).
COLEMAN, JOHN R., M.A., PH.D. (Economics).
COOPER, W. W., A.B. (Economics).
CYERT, RICHARD M., PH.D. (Economics).
GENSCHMER, FRED, M.A., PH.D. (Language).
GILMER, B. VON H., M.S., PH.D. (Psychology and Education).
GREEN, BERT F., Jr., M.A., PH.D. (Psychology and Education).
GREGG, LEE W., M.S., PH.D. (Psychology and Education).
KARN, HARRY W., M.A., PH.D. (Psychology and Education).
LEAVITT, HAROLD J., M.S., PH.D. (Economics).
MOYER, KENNETH E., M.A., PH.D. (Psychology and Education).
SCHMITT, GLADYS, A.B. (English).
STEINBERG, ERWIN R., M.S., PH.D. (English).
WRIGHT, AUSTIN, A.M., PH.D. (English).

Margaret Morrison Carnegie College:

BAKKIE, MELVA B., B.A., M.S. (Home Economics).
LABARTHE, JULES, PH.D. (Textiles).
MYERS, DORIS E., B.S., A.M. (Home Economics).

Graduate School of Industrial Administration:

BACH, G. L., A.B., PH.D., LL.D. (Economics).
BRONFENBRENNER, MARTIN, A.B., PH.D. (Economics).
COLEMAN, JOHN R., M.A., PH.D. (Economics).
COOPER, W. W., A.B. (Economics).
CYERT, RICHARD M., P.HD. (Economics and Industrial Administration).
LEAVITT, HAROLD J., M.S., PH.D. (Economics).
MARCH, JAMES G., M.A. PH.D. (Industrial Administration).
NEWELL, ALLEN, B.S., PH.D. (Systems and Communication Sciences).
SIMON, H. A., A.B., PH.D. (Management).
THOMPSON, GERALD L., B.S., PH.D. (Industrial Administration).

CASE INSTITUTE OF TECHNOLOGY

10900 EUCLID AVENUE, CLEVELAND 6, OHIO

Telephone: SW-5-1060

Founded in 1880 by Leonard Case, Jr.; formerly Case School of Applied Science.

President: T. KEITH GLENNAN, B.S., D.SC., D.ENG., LL.D.
Vice-President for Development: JAMES C. HARDIE, M.L.
Vice-President for Academic Affairs: JOHN A. HRONES, M.D., D.SC.
Dean of Graduate Studies: LOUIS GORDON, PH.D.
Director of Research Administration: ROBERT H. THOMAS, PH.D.
Director of Public Relations: GEORG K. F. MANN, B.A.
Director of Computing Center: RAYMOND J. NELSON, PH.D.

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Director of the Systems Research Center: ELLIS A. JOHNSON, SC.D.
Director of the Engineering Design Center: JAMES B. RESWICK, SC.D.
Director of Clinical Laboratory for Materials: DONALD F. GIBBONS.
Dean of Instruction: KARL B. MCEACHRON, JR., B.S.
Registrar: RICHARD T. PAUMEN, B.B.A.
Director of Admissions: FRANK S. BADGER.
Dean of Students: THOMAS E. BAKER, PH.D.
Director of the Library: FREDERICK L. TAFT, PH.D.
Director of the Observatory: S. W. MCCUSKEY, PH.D.

The library contains 96,000 volumes.
Number of teachers: 210 (full-time).
Number of students: 1,590 (2,484 including graduate and summer students).

PROFESSORS:

ACKOFF, RUSSELL L., PH.D. (Operations Research).
BACON, CHAS. S., PH.D. (Geology).
BARROW, GORDON M., PH.D. (Chemistry).
BLANCO, VICTOR M., PH.D. (Astronomy).
BOLZ, RAY E., D.ENG. (Aeronautical Engineering).
CAMP, GLEN D., PH.D. (Operations Research).
COVER, GERALD M., PH.D. (Metallurgical Engineering).
DONNER, HENRY F., SC.D. (Astronomy and Geology).
FOLDY, LESLIE L., PH.D. (Physics).
GIBBONS, DONALD F., PH.D. (Materials).
GORDON, LOUIS, PH.D. (Chemistry).
HEHEMANN, ROBERT F., PH.D. (Physical Metallurgy).
HOOVER, PAUL L., D.SC. (Electrical Engineering).
JOHNSON, ELLIS A., SC.D. (Management).
KLEIN, MARTIN J., PH.D. (Physics).
KRANZBERG, MELVIN, PH.D. (History).
KUERTI, GUSTAV, PH.D. (Aerodynamics).
MACNEILLE, HOLBROOK M., PH.D. (Mathematics).
MCCUSKEY, SIDNEY W., PH.D. (Astronomy).
MARON, SAMUEL H., PH.D. (Physical Chemistry).
MAWARDI, OSMAN K., PH.D. (Plasma Dynamics).
MICKELSON, VERNON C., M.A. (Organisational Behaviour).
MOSZYNSKI, JERZY R., PH.D. (Mechanical Engineering).
NARA, HARRY R., PH.D. (Structures and Mechanics).
NELSON, RAYMOND J., PH.D. (Mathematics).
OSTRACH, SIMON, PH.D. (Applied Mathematics).
REIN, DAVID M., PH.D. (English).
REINES, FREDERICK, PH.D. (Physics).
REITZ, JOHN R., PH.D. (Physics).
RESWICK, JAMES B., SC.D. (Engineering Design).
RINEHART, ROBERT F., PH.D. (Mathematics).
SCANLAN, ROBERT H., PH.D. (Engineering Mechanics).
SEELY, SAMUEL, PH.D. (Electrical Engineering).
SHANKLAND, ROBERT S., PH.D. (Physics).
SHELTON, J. REID, PH.D. (Organic Chemistry).
SHEPARD, HERBERT A., PH.D. (Organisational Behaviour).
SHRADER, ERWIN F., PH.D. (Physics).
SHURTER, ROBERT L., PH.D. (English).
SLAYMAKER, ROBERT R., M.S. (Machine Design).
SMITH, CHARLES S., SC.D. (Physics).
STEHLI, FRANCIS G., PH.D. (Geology).
SYMONDS, GIFFORD H., M.A.
TAFT, FREDERICK L., PH.D. (English).
TROIANO, ALEXANDER R., SC.D. (Physical Metallurgy).
TUVE, GEORGE L., M.E. (Mechanical Engineering).
VARGA, RICHARD S., PH.D. (Mathematics).
WALLACE, JOHN F., S.M. (Process Metallurgy).
WRIGHT, DANIEL K., M.S. (Machine Design).

CLARKSON COLLEGE OF TECHNOLOGY

POTSDAM, NEW YORK

Founded 1896

President: WILLIAM LOUIS WHITSON, B.S., M.A., PH.D.
Registrar: FREDERICK ALLEN RAMSDELL, B.S., M.S.
Business Manager and Treasurer: DONALD FREDERICK MCINTYRE, B.M.E.
Librarian: CHARLES PENROSE, A.B., LL.B., A.B. IN L.S.

The library contains 55,000 volumes.
Number of teachers: 106, including 27 professors.
Number of students: 1,626.
Publications: *Clarkson Integrator, Clarksonian, Clarkson Comment.*

DEANS:

Students: F. GORDON LINDSEY, B.S., M.ED.

DETROIT INSTITUTE OF TECHNOLOGY

131 EAST ADAMS, DETROIT 26, MICHIGAN

Founded 1891

President: DEWEY F. BARICH.
Vice-President for Academic Affairs: Dr. A. T. LIU.
Dean of Student Affairs and Admissions: JAMES S. YOUNG.
Vice-President for Development: C. F. BRODERSEN.
Business Manager: LOUIS A. RUBINO.
Number of teachers: 114.
Number of students: 1,959 men, 266 women, total 2,225.

DEANS:

Arts and Sciences: Dr. M. PATERSON.
Business Administration: JAMES V. STONEMAN.
Engineering: A. T. LIU.

DREXEL INSTITUTE OF TECHNOLOGY

32ND AND CHESTNUT STREETS, PHILADELPHIA 4, PENNSYLVANIA

Founded 1891.

President: JAMES CREESE, LITT.B., M.A., LL.D., PH.D., L.H.D.
Registrar: JOHN W. NEAL, JR., B.S. IN M.E.
Librarian: JOHN F. HARVEY, A.B., B.S. IN L.S., PH.D.
Curator: GERALDINE PETERSON STAUB.

The library contains 180,000 volumes.
Number of teachers: 450 day, 285 evening.
Number of students: day: 5,230 men, 1,062 women, total 3,292; grand total 9,295.

DEANS:

Business Administration College: KENNETH G. MATHESON, JR., B.S., M.B.A., PH.D.
Engineering College: LEROY A. BROTHERS, B.S. IN C.E., D.SC.
Home Economics College: MARJORIE E. RANKIN, B.S. IN H.EC., M.S.
School of Library Science: JOHN F. HARVEY, A.B., B.S. IN L.S., PH.D.
Evening College: STANLEY J. GWIAZDA, B.S. IN M.E., M.S. IN M.E.

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA

Chartered 1885

President: EDWIN D. HARRISON, PH.D.
Registrar: WILLIAM LAWSON CARMICHAEL, M.S.
Comptroller: JAMES R. ANTHONY.
Librarian: Mrs. JAMES H. CROSLAND.
Executive Secretary: ELIZABETH KOENIG.

The library contains 275,000 volumes.
Number of teachers: 474.
Number of students: 5,982.
Publications: *The Technique, Engineer, Blue Print, Rambler.*

DEANS, ETC.:

Dean of Faculties: PAUL WEBER, PH.D.
Engineering: JESSE W. MASON, PH.D.

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General College: RALPH A. HEFNER, PH.D.
Graduate Studies: MARIO J. GOGLIA, PH.D.
Students: GEORGE C. GRIFFIN, M.S.
Public Relations: FRED W. AJAX, A.M.

ILLINOIS INSTITUTE OF TECHNOLOGY
CHICAGO 16, ILLINOIS

Formed 1940 by consolidation of Armour Institute of Technology (founded 1892), Lewis Institute (founded 1896). Affiliated organisations: IIT Research Institute (formerly Armour Research Foundation) (founded 1936) and Institute of Gas Technology (founded 1941).

President: JOHN T. RETTALIATA, B.E., D.ENG.
Academic Vice-President: MARTIN A. ELLIOTT, B.E., PH.D.
Vice-President and Treasurer: JAMES J. RITTERSKAMP, Jr., B.S.B.A., LL.B.
Vice-President for Institutional Development: ROBERT E. NELSON, B.A.
Registrar: FREDERICK R. ECKFORD, A.B.
Librarian: WILLIAM H. HYDE, B.A., M.S.

The library contains 1,000,000 volumes.
Number of teachers: 217 full-time, 267 part-time, total 7,109.
Publications: *Bulletins of Illinois Institute of Technology, Research Publications of Illinois Institute of Technology, The Technometer,* miscellaneous research publications.

DEANS:

College of Engineering and Physical Sciences: RALPH G. OWENS, B.E.E., M.S., PH.D.
College of Liberal Arts: HANS O. MAUKSCH, M.A., PH.D.
Graduate School: MARION H. GROVES, A.B., PH.D. (acting).
Evening Divisions: WILLIAM W. COLVERT, M.A.
Dean of Students: THOMAS E. HOGAN, B.A., M.A., PH.D.
Admissions: DAVID A. DUDLEY, B.S.

LOUISIANA POLYTECHNIC INSTITUTE
RUSTON, LOUISIANA

Chartered 1894 as Louisiana Industrial Institute and College; name changed to Louisiana Industrial Institute 1898; to present name 1921.

President: F. JAY TAYLOR.
Business Manager: W. H. MCLAURIN, B.S.
Auditor: J. W. EVANS, B.S.
Registrar: MABEL MAY, M.A.
Librarian: E. J. SCHEERER, M.A., M.S.

The library contains 83,617 volumes.
Number of teachers: 240.
Number of students: 2,419 men, 1,079 women, total 3,498.

DEANS:

School of Agriculture and Forestry: M. HAYNE FOLK, Jr., M.S.
School of Arts and Sciences: JOHN B. WILSON, M.A., PH.D.
School of Business Administration: BURTON R. RISINGER, M.B.A.
School of Education: CLIFFORD T. WOODARD, M.A.
School of Engineering: BEN T. BOGARD, M.S.
School of Home Economics: ALICE MILLETT GRAHAM, M.S.

LOWELL TECHNOLOGICAL INSTITUTE
LOWELL, MASSACHUSETTS

Founded 1895

President: Dr. MARTIN J. LYDON.
Dean of Faculty: Dr. CHAPIN A. HARRIS.
Registrar: WALTER M. DROHAN.
Librarian: JOSEPH V. KOPYCINSKI.

Number of teachers: 127 day, 129 evening.
Number of students: 1,600 day, 2,400 evening.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
CAMBRIDGE 39, MASSACHUSETTS
Telephone: UNiversity 4-6900

Founded 1861

President: JULIUS A. STRATTON, SC.D., D.ENG., LL.D., L.H.D.
Vice-President and Treasurer: JOSEPH J. SNYDER, B.S., M.B.A.
Provost: CHARLES HARD TOWNES, PH.D., D.LITT., SC.D.
Vice-President: JAMES MCCORMACK, S.M., A.M.
Vice-President, Research Administration: CARL F. FLOE, SC.D.
Vice-President, Operations and Personnel: PHILIP A. STODDARD, S.B.
Vice-President, Academic Administration: MALCOLM G. KISPERT, S.M., SC.D.
Chairman of the Corporation: JAMES R. KILLIAN, Jr., LL.D., SC.D., D.ENG., D.APP.SCI., ED.D.
Secretary of the Corporation: JOHN J. WILSON, S.B.
Director of Libraries: WILLIAM N. LOCKE, PH.D.
Registrar: ROBERT E. HEWES, S.B.

Teaching staff: 2,441 including 773 professors.
Number of students: 3,553 undergraduates, 3,142 graduate, total 6,695.

DEANS:

Engineering: GORDON S. BROWN, SC.D., D.ENG.
Science: GEORGE R. HARRISON, PH.D., D.SC., LL.D., D.ENG.
Architecture and Planning: PIETRO BELLUSCHI, Dott. Ing., LL.D., SC.D., D.F.A.
Industrial Management: HOWARD W. JOHNSON, M.A.
Humanities and Social Science: JOHN E. BURCHARD, L.H.D., D.ARCH.
Graduate School: HAROLD L. HAZEN, SC.D.
Student Affairs: KENNETH R. WADLEIGH, SC.D.

HEADS OF DEPARTMENTS:

Architecture: LAWRENCE BERNHART ANDERSON, M.ARCH.
Aeronautics and Astronautics: CHARLES STARK DRAPER, SC.D.
Biology: IRWIN WHITING SIZER, PH.D.
Chemical Engineering: EDWIN RICHARD GILLILAND, SC.D., D.ENG.
Chemistry: ARTHUR CLAY COPE, PH.D., SC.D.
City and Regional Planning: JOHN TASKER HOWARD, M.C.P.
Civil Engineering: CHARLES LESLIE MILLER, S.M.
Economics and Social Science: ROBERT LYLE BISHOP, PH.D.
Electrical Engineering: PETER ELIAS, PH.D.
Geology and Geophysics: ROBERT RAKES SHROCK, PH.D.
Humanities: RICHARD MATEER DOUGLAS, PH.D.
Mathematics: WILLIAM TED MARTIN, PH.D.
Mechanical Engineering: HORTON GUYFORD STEVER, PH.D., SC.D.
Metallurgy: THOMAS BURNESS KING, PH.D.
Meteorology: HENRY GARRETT HOUGHTON, SC.D.
Modern Languages: WILLIAM NASH LOCKE, PH.D.
Naval Architecture and Marine Engineering: HORTON GUYFORD STEVER, PH.D., SC.D.
Nuclear Engineering: MANSON BENEDICT, PH.D.
Nutrition and Food Science: NEVIN STEWART SCRIMSHAW, PH.D., M.D., D.P.S.
Physics: WILLIAM WEBER BUECHNER, PH.D., SC.D.

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HEADS OF OTHER ACADEMIC ACTIVITIES:

Center for Materials, Science and Engineering: ROBERT ALLAN SMITH, PH.D.
Center for Space Research: JOHN VINCENT HARRINGTON, SC.D.
Cambridge Electron Accelerator: MILTON STANLEY LIVINGSTON, PH.D.
Center for International Studies: MAX FRANKLIN MILLIKAN, PH.D.
Computation Center: PHILIP MCCORD MORSE, PH.D., SC.D.
Joint Center for Urban Studies: JAMES WILSON, PH.D.
Laboratory for Nuclear Science: BERNARD TAUBELD, PH.D.
National Magnet Laboratory: BENJAMIN LAX, PH.D.
Operations Research Center: PHILIP MCCORD MORSE, PH.D., SC.D.
Research Laboratory of Electronics: HENRY JOSEPH ZIMMERMANN, S.M.
Spectroscopy Laboratory: RICHARD COLLINS LORD, PH.D., SC.D.

PROFESSORS:

ABKOWITZ, MARTIN A., PH.D. (Naval Architecture).
ADAMS, FREDERICK J., B.ARCH. (City Planning).
ADELMAN, MORRIS ALBERT, PH.D. (Economics).
ADLER, RICHARD BROOKS, SC.D. (Electrical Engineering).
ALEXANDER, J. D., M.A., M.B.A. (Air Science).
ALEXANDER, SIDNEY STUART, PH.D. (Industrial Management).
ALLIS, WILLIAM P., SC.D. (Physics).
AMBROSE, WARREN, PH.D. (Mathematics).
AMDUR, ISADOR, PH.D. (Physical Chemistry).
ANDERSON, LAWRENCE B., M.ARCH. (Architectural Design).
ASHLEY, HOLT, SC.D. (Aeronautics and Astronautics).
AVERBACH, BENJAMIN L., SC.D. (Metallurgy).
BACKER, STANLEY, SC.D. (Mechanical Engineering).
BARTLETT, HOWARD RUSSELL, A.M. (English and History).
BECKWITH, HERBERT LYNES, M.ARCH. (Architecture).
BELLUSCHI, PIETRO, DOTT.ING., LL.D. (Architecture).
BENEDICT, MANSON, PH.D. (Nuclear Engineering).
BEVER, MICHAEL BERLINER, DR.IUR., SC.D. (Metallurgy).
BISHOP, ROBERT L., PH.D. (Economics).
BISPLINGHOFF, RAYMOND LEWIS, M.SC. (Aeronautics and Astronautics).
BITTER, FRANCIS, PH.D. (Physics).
BOLT, RICHARD HENRY, PH.D. (Acoustics).
BOTTIGLIA, WILLIAM F., PH.D. (Modern Languages).
BOWLES, EDWARD L., D.SC. (Industrial Management).
BROWN, DOUGLASS V., PH.D. (Industrial Management).
BROWN, E. CARY, PH.D. (Economics).
BROWN, GORDON STANLEY, SC.D. (Electrical Engineering).
BROWN, SANBORN C., PH.D. (Physics).
BRUYN, PHILIP LOUIS DE, SC.D. (Mineral Engineering).
BUCHANAN, JOHN MACHLIN, PH.D. (Bio-Chemistry).
BÜCHI, GEORGE H., SC.D. (Chemistry).
BUECHNER, WILLIAM WEBER, PH.D., SC.D. (Physics).
BUERGER, MARTIN J., PH.D. (Mineralogy and Crystallography).
BURCHARD, JOHN E., L.H.D. (Humanities).
CAMINOS, HORATIO (Architecture).
CATALANO, EDUARDO FERNANDO, M.ARCH. (Architecture).
CARRITT, DAYTON E., PH.D. (Chemical Oceanography).
CHANDLER, ALFRED D., JR., PH.D. (History).
CHARNEY, JULE GREGORY, PH.D. (Meteorology).
CHIPMAN, JOHN, PH.D., SC.D (Metallurgy).
CHOMSKY, NOAM A., PH.D. (Modern Languages).
CHU, LAN JEN, SC.D. (Electrical Engineering).
COHEN, MORRIS, SC.D. (Physical Metallurgy).
COLLINS, CARVEL, PH.D. (English).
COLLINS, SAMUEL C., PH.D. SC.D. (Mechanical Engineering).
COPE, ARTHUR CLAY, PH.D. (Organic Chemistry).
CORYELL, CHARLES DUBOIS. PH.D. (Chemistry).
COTTON, FRANK A., PH.D. (Chemistry).
CRANDALL, STEPHEN H., PH.D. (Mechanical Engineering).
DAHL, NORMAN CHRISTIAN, SC.D. (Mechanical Engineering).
DAILY, JAMES WALLACE, PH.D. (Civil and Sanitary Engineering).
DAVENPORT, WILBUR B., JR., SC.D. (Electrical Engineering).
DEMOS, PETER T., PH.D. (Physics).
DEUTSCH, MARTIN, PH.D. (Physics).
DIAZ DE SANTILLANA, GIORGIO, PH.D. (History and Philosophy of Science).
DIETZ, ALBERT G. H., SC.D. (Structural Engineering).
DOMAR, EVSEY D., PH.D. (Economics).
DOUGLASS, RAYMOND DONALD, PH.D., SC.D. (Mathematics).
DRAPER, CHARLES STARK, SC.D. (Aeronautics and Astronautics).
DURAND, DAVID, PH.D. (Industrial Management).
EDGERTON, HAROLD E., SC.D., D.ENG. (Electrical Measurements).
ELIAS, PETER, PH.D. (Electrical Engineering).
ELLIOTT, JOHN F., SC.D. (Metallurgy).
EPSTEIN, DAVID J., SC.D. (Electrical Engineering).
EVANS, JOHN H., B.ENG. (Naval Architecture).
EVANS, ROBLEY DUNGLISON, PH.D. (Physics).
FAIRBAIRN, HAROLD WILLIAMS, PH.D. (Geology).
FANO, ROBERT MARIO, SC.D. (Electrical Communications).
FAY, JAMES ALAN, PH.D. (Mechanical Engineering).
FELD, BERNARD T., PH.D. (Physics).
FESHBACH, HERMAN, PH.D. (Physics).
FINBERG, IRVING W., S.B. (Military Science).
FLOE, CARL F., SC.D. (Metallurgy).
FORRESTER, JAY WRIGHT, D.ENG. (Industrial Management).
FRANK, NATHANIEL H., SC.D. (Physics).
FRANKLIN, PHILIP, PH.D. (Mathematics).
FRAZIER, RICHARD H., S.M. (Electromechanics).
FREEMAN, HAROLD A., S.B. (Statistics).
FREEMAN, RALPH EVANS, M.A., B.LITT. (Economics).
FRIEDMAN, FRANCIS L., PH.D. (Physics).
FRISCH, DAVID H., PH.D. (Physics).
GARDNER, MURRAY F., S.M. (Electrical Engineering).
GAUDIN, ANTOINE MARC, E.M., SC.D. (Mineral Engineering).
GILLILAND, EDWIN R., SC.D., D.ENG. (Chemical Engineering).
GOETZ, BILLY EARL, PH.D. (Industrial Management).
GOLDBLITH, SAMUEL ABRAHAM, PH.D. (Food Technology).
GRANT, NICHOLAS JOHN, SC.D. (Metallurgy).
GRAY, TRUMAN S., SC.D. (Engineering Electronics).
GREELEY, ROLAND B., M.C.P. (Regional Planning).
GREENE, FREDERICK D., II, PH.D. (Chemistry).
GREENE, WILLIAM C., M.A. (Literature).
GUILLEMIN, ERNST A., PH.D. (Electrical Communications).
HAGEN, EVERETT EINAR, PH.D. (Economics).
HALLE, MORRIS, PH.D. (Modern Languages).
HAMILTON, LEICESTER F., S.B. (Analytical Chemistry).
HANSEN, ROBERT J., SC.D. (Structural Engineering).
HARRIS, ROBERT SAMUEL, PH.D. (Biochemistry of Nutrition).
HARRISON, GEORGE RUSSELL, PH.D., D.SC., LL.D. (Physics).
HARTOG, JACOB P. DEN, PH.D. (Mechanical Engineering)
HARVEY, GEORGE G., PH.D. (Physics).
HAUS, HERMAN A., SC.D. (Electrical Engineering).
HAZEN, HAROLD LOCKE, SC.D. (Electrical Engineering).
HIDE, RAYMOND, PH.D. (Geophysics).
HILL, ALBERT GORDON, PH.D. (Physics).
HIPPEL, ARTHUR ROBERT VON, PH.D. (Electrophysics).
HOLLAND, DANIEL M., PH.D. (Finance).
HOLLEY, MYLE J., JR., S.M. (Structural Engineering).
HOLT, JAMES, S.B. (Mechanical Engineering).
HOTTEL, HOYT C., A.B., S.M. (Fuel Engineering).
HOUGHTON, HENRY GARRETT, D.SC. (Meteorology).
HOWARD, JOHN T., M.C.P. (City Planning).
HUDGINS, HOULDER, A.B., B.CHEM. (Industrial Management).
HUFFMAN, DAVID A., SC.D. (Electrical Engineering).
HUME, DAVID NEWTON, PH.D. (Chemistry).
HURLEY, PATRICK MASON, PH.D. (Geology).
INGRAM, VERNON M., PH.D., D.SC. (Biochemistry).
IPPEN, ARTHUR T., PH.D. (Hydraulics).
IRVINE, JOHN W., JR., PH.D. (Chemistry).
ISELIN, COLUMBUS O'DONNELL, D.SC. (Oceanography).
IWASAWA, KENKICHI, SC.D. (Mathematics).
JAKOBSON, ROMAN, M.D. (Institute Professor).
JOHNSON, HOWARD WESLEY, M.A. (Industrial Management).
KAPLAN, IRVING, PH.D. (Nuclear Engineering).
KAUFMANN, WILLIAM, PH.D. (Political Science).
KEENAN, JOSEPH HENRY, S.B. (Mechanical Engineering).
KEPES, GYORGY, M.A. (Visual Design).
KINDLEBERGER, CHARLES P. PH.D., (Economics).
KING, THOMAS B., PH.D. (Metallurgy).
KOPPEN, OTTO CARL, S.B. (Aeronautical Engineering).
KOSTANT, BERTRAM, PH.D. (Mathematics).
KUH, EDWIN, PH.D. (Economics).
LAMBE, THOMAS WILLIAM, SC.D. (Soil Engineering).
LAMSON, ROY, PH.D. (English).
LARSON, LEWIS E., JR., S.M. (Naval Science).
LEE, YUK-WING, SC.D. (Electrical Engineering).
LERNER, DANIEL, PH.D. (Sociology).
LEVINSON, NORMAN, SC.D. (Mathematics).
LEVINTHAL, CYRUS, PH.D. (Biophysics).
LI, YAO TZU, SC.D. (Aeronautics and Astronautics).

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LIEPMANN, KLAUS (Music).
LIN, CHIA-CHIAO, PH.D. (Mathematics).
LIVINGSTON, MILTON STANLEY, PH.D. (Physics).
LOCKE, WILLIAM NASH, PH.D. (Modern Languages).
LORD, RICHARD COLLINS, PH.D. (Chemistry).
LORENZ, EDWARD N., SC.D. (Meteorology).
LOW, FRANCIS E., PH.D. (Physics).
LURIA, SALVADOR EDWARD, M.D. (Microbiology).
MCCLINTOCK, ALAN S., SC.D. (Chemical Engineering).
MCGREGOR, DOUGLAS MURRAY, PH.D., LL.D. (Industrial Management).
MAGASANIK, BORIS, PH.D. (Microbiology).
MAHONEY, THOMAS H. D., PH.D. (History).
MARQUIS, DONALD GEORGE, PH.D. (Industrial Management).
MARTIN, WILLIAM TED, PH.D. (Mathematics).
MASON, SAMUEL JEFFERSON, SC.D. (Electrical Engineering).
MEISSNER, HERMAN P., D.SC. (Chemical Engineering).
MICHAELS, ALAN S., SC.D. (Chemical Engineering).
MICKLEY, HAROLD S., SC.D. (Chemical Engineering).
MILLER, CHARLES L., S.M. (Civil Engineering).
MILLER, RENE H., M.A. (Aeronautical Engineering).
MILLIKAN, MAX F., PH.D. (Economics).
MODIGLIANI, FRANCO, D.IUR., D.SOC.SCI. (Industrial Management).
MOLLÖ-CHRISTENSEN, ERIC L., SC.D. (Aeronautics and Astronautics).
MORISON, ELTING ELMORE, A.M. (Industrial History).
MORSE, PHILIP MCCORD, PH.D., SC.D. (Physics).
MUELLER, HANS, D.SC. (Physics).
MURRAY, WILLIAM MACGREGOR, SC.D. (Mechanical Engineering).
MYERS, CHARLES A., PH.D. (Industrial Relations).
NICHOLSON, WILLIAM M., S.M. (Naval Construction).
NORTON, JOHN TORREY, SC.D. (Physics of Metals).
NOTTINGHAM, WAYNE B., PH.D. (Physics).
OROWAN, EGON, D.ENG. (Mechanical Engineering).
PADELFORD, NORMAN J., PH.D., LL.D. (Political Science).
PIGORS, PAUL, PH.D. (Industrial Relations).
POOL, ITHIEL D., PH.D. (Political Science).
PUTNAM, HILARY, PH.D. (Philosophy of Science).
PYE, LUCIAN W., PH.D. (Political Science).
RADFORD, WILLIAM H., S.M. (Electrical Communications).
REISSNER, ERIC, DR.ING., PH.D. (Mathematics).
REINTJES, JOHN F., M.E.C. (Electrical Engineering).
RODWIN, LLOYD, PH.D. (Land Economics).
RICH, ALEXANDER, M.D. (Biophysics).
RIGHTMIRE, BRANDON G., SC.D. (Mechanical Engineering).
ROHSENOW, WARREN MAX, D.ENG. (Mechanical Engineering).
ROSE, DAVID J., PH.D. (Nuclear Engineering).
ROSENBLITH, WALTER A., Ing. Radio Electrician (Communications Biophysics).
ROSENSTEIN-RODAN, PAUL N., DR. RER. POL. (Economics).
ROSSI, BRUNO BENEDETTO, PH.D. (Physics).
ROSTOW, WALT WHITMAN, PH.D. (Economic History).
RULE, JOHN THOMAS, S.B. (Engineering Graphics).
SAMUELSON, PAUL ANTHONY, PH.D. (Economics).
SANDORFF, PAUL E., S.B. (Aeronautics and Astronautics).
SATTERFIELD, CHARLES NELSON, SC.D. (Chemical Engineering).
SCHAFER, RICHARD DONALD, PH.D. (Mathematics).
SCHMITT, FRANCIS OTTO, PH.D., SC.D. (Biology).
SCRIMSHAW, NEVIN S., PH.D., M.D., D.P.S. (Nutrition).
SEGAL, IRVING, PH.D. (Mathematics).
SHANNON, CLAUDE E., PH.D. (Mathematics and Electrical Engineering).
SHAPIRO, ASCHER H., SC.D. (Mechanical Engineering).
SHAPIRO, ELI, PH.D. (Finance).
SHEEHAN, JOHN C., PH.D. (Organic Chemistry).
SHERWOOD, THOMAS KILGORE, SC.D., ENG.D. (Chemical Engineering).
SCHOEMAKER, DAVID P., PH.D. (Chemistry).
SHROCK, ROBERT R., PH.D. (Geology).
SHULL, CLIFFORD GLENWOOD, PH.D. (Physics).
SIZER, IRVIN WHITING, PH.D. (Biochemistry).
SLATER, JOHN CLARKE, PH.D., SC.D. (Solid State).
SMAKULA, ALEXANDER, PH.D. (Crystal Physics).
SMITH, CYRIL STANLEY, SC.D. (History of Science and Technology).
SMITH, HUSTON C., PH.D. (Philosophy).
SMULLIN, LOUIS D., S.M. (Electrical Engineering).
SOLOW, ROBERT M., PH.D. (Economics).
STARR, VICTOR PAUL, PH.D. (Meteorology).
STEPHENSON, CLARK CONKLING, PH.D. (Chemistry).
STEVER, HORTON GUYFORD, PH.D. (Aeronautical Engineering).
STRANDBERG, MALCOLM W. P., PH.D. (Physics).
SVENSON, CARL L., S.M. (Mechanical Engineering).
SWAIN, C. GARDNER, PH.D. (Chemistry).
TAYLOR, EDWARD STORY, S.B. (Aircraft Engines).
TEUBER, HANS L., PH.D. (Psychology).
THOMAS, GEORGE B., Jr., PH.D. (Mathematics).
THOMPSON, THEOS J., PH.D. (Nuclear Engineering).
TISZA, LASZLO, PH.D. (Physics).
TOWNES, CHARLES H., PH.D., D.LITT. (Physics).
TRUMP, JOHN G., SC.D. (Electrical Engineering).
TUCKER, CARLTON E., S.B. (Electrical Engineering).
UHLIG, HERBERT HENRY, PH.D. (Metallurgy).
VALLEY, GEORGE E., Jr., PH.D. (Physics).
VILLARS, FELIX M. (Physics).
VIVIAN, JOHNSON EDWARD, SC.D. (Chemical Engineering).
VON ARX, WILLIAM STELLING, PH.D. (Oceanography).
WADLEIGH, KENNETH R., SC.D. (Engineering).
WALL, PATRICK DAVID, M.D. (Physiology).
WARREN, BERTRAM EUGENE, SC.D. (Physics).
WAUGH, DAVID FLOYD, PH.D. (Biophysics).
WAUGH, JOHN S., PH.D. (Chemistry).
WEISSKOPF, VICTOR F., (Physics).
WHITE, DAVID C., PH.D. (Electrical Engineering).
WHITEHEAD, GEORGE W., PH.D. (Mathematics).
WIENER, NORBERT, PH.D., SC.D. (Mathematics).
WIESNER, JEROME B., PH.D. (Electrical Engineering).
WILLETT, HURD CURTIS, PH.D. (Meteorology).
WILLIAMS, GLENN CARBER, SC.D. (Chemical Engineering).
WILSON, CARL L., SC.D. (Industrial Management).
WOOD, ROBERT C., PH.D. (Political Science).
WRIGLEY, WALTER, SC.D. (Aeronautical Engineering).
WULFF, JOHN, D.SC. (Metallurgy).
ZACHARIAS, JERROLD REINACH, PH.D. (Physics).
ZIMMERMANN, HENRY JOSEPH, S.M. (Electrical Engineering).

MICHIGAN COLLEGE OF SCIENCE AND TECHNOLOGY

HOUGHTON, MICHIGAN

Founded 1885

President: J. R. VAN PELT
Vice-President: E. T. WILLIAMS.
Registrar: T. C. SERMON.
Dean of the Faculty: FRANK KEREKES.
Dean of Students: HAROLD MEESE.
Director of Library: MICHAEL V. KRENITSKY.

Number of teachers: 187, including 56 professors.
Number of students: 2,629 men, 136 women, total 2,765.
Publication: *Bulletin.*

SAULT STE. MARIE BRANCH

Director: HARRY L. CRAWFORD.
Branch Registrar: JAMES C. MYERS.

Number of teachers: 38.
Number of students: 523 men, 85 women, total 608.

MONTANA SCHOOL OF MINES

BUTTE, MONTANA

Founded 1893

President: EDWIN G. KOCH.
Vice-President and Dean of the College: D. CHARLES MCAULIFF.
Registrar and Business Manager: W. MILTON BROWN.
Librarian: Mrs. LORETTA B. PECK.

Number of teachers: 34.
Number of students: (1962-63) 412.
Publications: *Annual Catalog, The Magma, The Amplifier.*

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NEWARK COLLEGE OF ENGINEERING

323 HIGH STREET, NEWARK 2, NEW JERSEY

Founded 1881

President: ROBERT W. VAN HOUTEN, B.S., C.E., SC.D., D.ENG., LITT.D.
Vice-President: WILLIAM HAZELL, Jr., B.S., M.ENG.ED.

Number of teachers: 219, including 45 professors.
Number of students: 3,824.
Publications: *Bulletins, Programmes.*

HEADS OF DEPARTMENTS:

Industrial and Management Engineering: OLIVER J. SIZELOVE, B.S., M.AD.ENG.
Professional Development and Industrial Relations: ROBERT E. KIEHL, M.A., ED.D.
Civil Engineering: WILLIAM S. LALONDE, Jr., S.B., M.S.
Chemical Engineering: CHARLES L. MANTELL, B.A., B.S., M.A., PH.D.
Electrical Engineering: FREDERICK A. RUSSELL, B.S., E.E., M.S., ENGR.SC.D.
Mechanical Engineering: GEORGE B. THOM, M.E., M.S., M.A.
Engineering Graphics: FRANCIS J. BURNS, B.S., M.A.
Chemistry: M. LELYA BRAHIN, B.S., A.M., PH.D.
English and Humanistic Studies: SAMUEL K. WORKMAN B.A., M.A., PH.D.
Mathematics: HENRY ZATZKIS, B.S., M.S., PH.D.
Physics and Mechanics: PAUL O. HOFFMANN, B.S., A.M., PH.D.
Air Science: Col. MAURICE A. BERRY, B.S.

POLYTECHNIC INSTITUTE OF BROOKLYN

333 JAY STREET, BROOKLYN 1, NEW YORK

Telephone: Ulster 5-8000

Founded 1854

President: ERNST WEBER.
Administrative Vice-Presidents: Prof. CHARLES E. SCHAFNER and Prof. WARREN L. MCCABE.
Academic Vice-President: Prof. JOHN G. TRUXAL.
Research Vice-President: Prof. N. MARCUVITZ.
Comptroller: A. E. SPRUCK.
Registrar: GEORGE S. EATON.
Librarian: WARREN N. BOES.

Number of teachers: 500.
Number of students: 5,500.

DEANS:

Graduate School: A. B. GIORDANO.
Students: HENRY Q. MIDDENDORF.

RENSSELAER POLYTECHNIC INSTITUTE

110 8TH STREET, TROY, N.Y.

Telephone: Ashley 2-3000

Founded 1824.

President: RICHARD G. FOLSOM, PH.D.
Vice-Presidents: HOWELL A. JONES, B.S., CLAYTON O. DOHRENWEND, PH.D., W. NOEL HUDSON, B.A.
Provost: CLAYTON O. DOHRENWEND, PH.D.
Registrar: JOHN A. DUNLOP, C.E., M.C.E.
Librarian: EDWARD A. CHAPMAN, B.S.E., M.L.S.

The library contains 100,000 volumes.
Number of teachers: 689.
Number of students: 4,473 men, 59 women, total 4,532.
Publications: *General Catalogue, Graduate Catalogue. Register of Students.*

DEANS:

Science: WALTER H. BAUER, PH.D.
Engineering: ARTHUR A. BURR, PH.D.
Humanities and Social Sciences: RONALD A. MUELLER, PH.D.
Architecture: GEORGE A. DUDLEY, M.F.A.
Graduate School: EDWIN B. ALLEN, PH.D.
Students: IRA E. HARROD, M.S.

ROCHESTER INSTITUTE OF TECHNOLOGY

65 PLYMOUTH AVENUE SOUTH,
ROCHESTER 8, NEW YORK

Founded in 1829 as the Rochester Athenaeum.

President: MARK ELLINGSON, A.B., M.A., PH.D., LL.D.
Vice-President, Academic Administration: LEO F. SMITH, A.B., M.A., PH.D.
Vice-President, Business and Finance: FRANK P. BENZ, B.A., M.B.A.
Vice-President, Development and Public Relations: ALFRED L. DAVIS, A.B., M.A.
Vice-President, Student Personnel Services: JAMES B. CAMPBELL, M.S., ED.D.

The library contains 48,000 volumes.
Number of teachers: 181 day, 325 evening.
Number of students: 2,200 day, 6,000 evening.

DEANS:

Applied Science: EARLE M. MORECOCK, B.S., M.E., E.E., M.A., P.E.
Business: EDWINA B. HOGADONE, B.A., M.A.
Fine and Applied Arts: HAROLD J. BRENNAN, B.A., M.A.
Graphic Arts and Photography: C. B. NEBLETTE, HON. P.S.A., F.R.P.S.
General Studies: JAMES W. WILSON, B.S., M.A., PH.D.
Evening College: ROBERT D. PEASE, B.S., M.A., ED.D.

ROSE POLYTECHNIC INSTITUTE

5500 WABASH AVE., TERRE HAUTE, INDIANA

Founded 1874

President: Dr. JOHN A. LOGAN.
Dean: HERMAN A. MOENCH.
Bursar: GERORGE H. MOENCH.
Registrar: J. GORDON LEE.
Librarian: CARSON W. BENNETT.

Number of teachers: 50.
Number of students: 600.
Publication: *Bulletin* (annually).

STEVENS INSTITUTE OF TECHNOLOGY

HOBOKEN, NEW JERSEY

Founded 1870

President: JESS H. DAVIS.
Business Manager: FRANK Q. LANE.
Dean of Faculty: LYNN L. MERRILL.
Dean of Graduate Studies: RALPH A. MORGEN.
Dean of Students and Admissions: CHARLES R. WELLHAUSEN.
Executive Secretary: NICHOL H. MEMORY.
Librarian: FRANCES I. DUCK.

The library contains 42,547 volumes.
Number of teachers: 150.
Number of students: 2,170.
Publication: *The Indicator.*

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TEXAS TECHNOLOGICAL COLLEGE
LUBBOCK, TEXAS

Founded by Texas Legislature 1923.

President: R. C. GOODWIN, PH.D.
Registrar: FLOYD BOZE, ED.D.
Librarian: R. C. JANEWAY, M.S.
Curator: W. C. HOLDEN, PH.D.

The library contains 560,739 volumes.
Number of teachers: 670.
Number of students: 7,361 men, 3,822 women, total 11,183.

DEANS:

Faculty of Agriculture: GERALD W. THOMAS, PH.D.
Faculty of Arts and Sciences: S. M. KENNEDY, PH.D.
Faculty of Commerce: GEORGE G. HEATHER, PH.D.
Faculty of Engineering: JOHN ROSS BRADFORD, PH.D.
Graduate Division: FRED D. RIGBY, PH.D.
Faculty of Home Economics: WILLA VAUGHN TINSLEY, PH.D.

VIRGINIA POLYTECHNIC INSTITUTE
BLACKSBURG, VIRGINIA

Established 1872; opened to women 1921.

Chancellor: JOHN R. HUTCHESON.
President: T. MARSHALL HAHN, Jr.
Vice-President: LOUIS A. PARDUE.
Business Manager: S. K. CASSELL.
Registrar: CLARICE SLUSHER.
Librarian: FRANK SHIRK (acting).

Number of teachers: 312, including 83 professors.
Number of students: 2,135 men, 169 women, total 2,304.
Publications: *Bulletin, The Techgram.*

DEANS:

Agriculture: L. B. DIETRICK.
Applied Science and Business Administration: G. BURKE JOHNSTON.
Engineering and Architecture: J. W. WHITTEMORE.
Graduate: LOUIS A. PARDUE.

Radford College: Radford.

Chancellor: WALTER S. NEWMAN.
President: CHARLES K. MARTIN, Jr.
Business Manager: G. P. GERRETT.
Treasurer: W. S. WEAVER.
Dean of Women: M'LEDGE MOFFET.
Dean of Instruction: R. J. YOUNG.
Registrar: BETTY STEVENS.

WORCESTER POLYTECHNIC INSTITUTE
WORCESTER 9, MASSACHUSETTS

President: HARRY P. STORKE.
Vice-President and Dean of Faculty: M. LAWRENCE PRICE.
Registrar: ATHENA PAPPAS.
Dean of Students and Admission: DONALD G. DOWNING.
Librarian: BONNIE-BLANCHE SCHOONOVER.

Number of students: 1,195.

UNITED STATES AIR FORCE ACADEMY
COLORADO SPRINGS, COLORADO

Founded 1955

Superintendent: Maj. Gen. ROBERT H. WARREN.
Dean of the Faculty: Brig.-Gen. ROBERT F. MCDERMOTT, B.S., M.B.A., LL.D.
Commandant of Cadets: Brig.-Gen. ROBERT W. STRONG, B.S.
Registrar: Col. VIRGIL J. O'CONNOR, B.A., M.A., ED.D.
Director of Athletics: Col. EDMUND A. RAFALKO, B.S., M.A.
Director of the Library: Lieut.-Col. GEORGE V. FAGAN, B.S., M.A., M.A.L.S., PH.D.

The library contains 165,000 volumes.
Number of teachers: 355.
Number of cadets (1963): 2,618.

UNITED STATES MILITARY ACADEMY
WEST POINT, NEW YORK

Founded 1802

Superintendent: Major-Gen. J. B. LAMPERT, U.S. Army.
Commandant: Brig.-Gen. MICHAEL S. DAVISON, U.S. Army.
Dean: Brig.-Gen. WILLIAM W. BESSELL, Jr., U.J. Army.
Adjutant-General: Col. EARL F. COLE.
Director of Admissions and Registrar: Lt.-Col. ROBERT S. DAY, U.S. Army.
Librarian: E. A. WEISS.

The library contains 232,000 volumes.
Number of teachers: 388.
Number of cadets: 2,536.

DEPARTMENTS:

Tactics: Brig.-Gen. MICHAEL S. DAVISON.
Military Art and Engineering: Col. VINCENT J. ESPOSITO.
Mechanics: Col. ELVIN R. HEIBERG.
Mathematics: Col. C. P. NICHOLAS.
Earth, Space and Graphic Sciences: Col. CHARLES R. BROSHOUS.
Foreign Languages: Col. WALTER J. RENFROE, Jr.
Law: Col. FREDERICK C. LOUGH.
Ordnance: Col. JOHN D. BILLINGSLEY.
English: Col. RUSSEL K. ALSPACH.
Social Sciences: Col. GEORGE A. LINCOLN.
Physics and Chemistry: Col. EDWARD C. GILLETTE, Jr.
Electricity: Col. ELLIOTT C. CUTLER, Jr.

OFFICES:

Military Instruction: Col. R. M. GLESZER.
Military Psychology and Leadership: Col. A. P. HAUSER.
Physical Education: Col. FRANK J. KOBES, Jr.

THE CITADEL
(Military College of South Carolina)
CHARLESTON, SOUTH CAROLINA

Founded 1842

President: General MARK W. CLARK.
Administrative Dean: Major-Gen. GEORGE HONNEN.
Academic Dean: Col. R. M. BYRD.
Admissions Dean: Col. J. W. DUCKETT.
Adjutant: Col. C. J. HOY.
Director of Cadet Affairs: Col. D. S. MCALISTER.
Registrar: Cdr. ROBERT B. FOLSOM.
Librarian: Major J. M. HILLARD.

The library contains 80,000 volumes.
Number of teachers: 138 including 22 professors.
Number of students: 2,000.
Publications: *Sphinx, Brigadier, Guidon, Shako.*

U.S. MERCHANT MARINE ACADEMY
KING'S POINT, LONG ISLAND, NEW YORK

Superintendent: GORDON MCLINTOCK.
Dean: A. SANFORD LIMOUZE.
Admissions: JOHN G. STEIN.
Registrar: K. A. GEARY.

Number of students: 960.

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UNITED STATES NAVAL ACADEMY
ANNAPOLIS, MARYLAND

Founded 1845

Superintendent: C. C. KIRKPATRICK.
Commandant of Midshipmen: CHARLES S. MINTER, Jr.
Secretary, Academic Board, and Aide: R. W. MCNITT.
Assistant Secretary, Academic Board, and Educational Adviser: Senior Prof. WILLIAM S. SHIELDS, M.A., PH.D.
Registrar: W. S. SHIELDS.
Director of Museum: Capt. WADE DEWEESE, B.S., U.S. Navy (Retd.).
Librarian: Prof. VERNON D. TATE, A.B., M.A., PH.D.

The library contains 150,600 volumes.
Number of teachers: 472.
Number of students (midshipmen): 3,777.
Publications: *Annual Register, Catalogue of Information.*

DIRECTORS:

Naval Science: Capt. HARRY B. HAHN, B.S., U.S. Navy.
Science and Engineering: Capt. WALTER L. SMALL, Jr., B.S., U.S. Navy.
Social Sciences and Humanities: Capt. JOHN N. MYERS, B.S., U.S. Navy.

HEADS OF DEPARTMENTS:

Executive: Capt. JAMES H. MINI, B.S., U.S. Navy.
Physical Education: Capt. ASBURY COWARD, B.S., U.S. Navy.
Command: Capt. WILLIAM E. LAMB, B.S., U.S. Navy.
Weapons: Capt. STOUGHTON STERLING, Jr., B.S., U.S. Navy.
Naval Hygiene: Capt. WALTER WELHAM, M.D., M.C., U.S. Navy.
Mathematics: Capt. JOSEPH E. HOKR, B.S., U.S. Navy.
Science: Cdr. FRANK A. ANDREWS, B.S., PH.D., U.S. Navy.
Engineering: Capt. JOHN M. REIGART, B.S., U.S. Navy.
English, History and Government: Capt. DAVID M. RUBEL, B.S., U.S. Navy.
Foreign Languages: Capt. DEMETRUIS J. VELLIS, B.S., U.S. Navy.

U.S. NAVAL POSTGRADUATE SCHOOL
MONTEREY, CALIFORNIA

Founded 1909

Superintendent: Rear Admiral MARSHALL E. DORNIN, U.S. Navy.
Academic Dean: Dr. ALLEN E. VIVELL.
Librarian: GEORGE R. LUCKETT.

The library contains 300,000 volumes (including reports and microcards).
Number of teachers: 220.
Number of students: 1,400.
Publications: *U.S. Naval Postgraduate School Catalogue* (annual), *This Week in the Library* (weekly), *Technical Reports, Research Papers* (irregular).

VIRGINIA MILITARY INSTITUTE
LEXINGTON, VIRGINIA

Founded 1839

Superintendent: Maj.-Gen. GEORGE R. E. SHELL.
Dean of Faculty: Brig.-Gen. LLOYD J. DAVIDSON.
Commandant: Col. JEFFREY G. SMITH.
Treasurer: Lt.-Col. R. MARLOWE HARPER.
Librarian: Lt.-Col. SIDNEY E. MATTHEWS.

The library contains 108,000 volumes.
Number of teachers: 99 academic (of whom 28 are professors), 13 military.
Number of students: 1,100 men.
Publication: *Catalogue.*

WEBB INSTITUTE OF NAVAL ARCHITECTURE
GLEN COVE, LONG ISLAND, N.Y.

Founded 1889

President: Dr. WILLIAM T. ALEXANDER.
Registrar: Mrs. CAROL S. LONG.
Librarian: FRED H. FORREST.

Number of teachers: 12.
Number of students: 70.

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URUGUAY

Population 2,860,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Montevideo

Academia Nacional de Letras: Calle 25 de Mayo, No. 376; f. 1943.

President: Ariosto D. González.
First Vice-President: José Pereira Rodríguez.
Second Vice-President: José G. Antuna.
Secretary: Adolfo Berro García.
Treasurer: Carlos Rodríguez Pintos.
Librarian: Clemente Estable.

Members (by seniority):

Barbieri, Antonio María
Blanco Acevedo, Eduardo
Castellanos, Daniel
Carbajal Victorica, Juan José
Oribe, Emilio
Regules, Dardo
Sabat Ercasty, Carlos
Silva Valdés, Fernán
Vasseur, Alvaro Armando
Zum Felde, Alberto
De Cáceres, Esther.
Frugoni, Emilio.
Montiel Ballesteros, Adolfo.

Alliance Française: Colonia 1013.

Asociación de Ingenieros del Uruguay (*Association of Uruguayan Engineers*): Avda. Agraciada 1464; f. 1905; 700 mems., also hon. and corresp. abroad; Pres. Ing. Civil Omar Paganini; affiliated to the Unión Panamericana de Asociaciones de Ingenieros; publ. *Ingeniería*; library of 2,000 vols.

Asociación de Química y Farmacia del Uruguay (*Chemical and Pharmaceutical Association*): Av. Agraciada 1464, Piso 14; f. 1888; 600 mems.; Pres. José R. Díaz; Sec.-Gen. Aníbal Moll; publs. *Anales* (occasional), *Química y Farmacia* (quarterly).

Asociación Odontológica Uruguaya (*Odontological Association*): Avda. Agraciada 1464, Piso 13; f. 1946 by fusion of Centro de Odontología del Uruguay, Sociedad de Estudios Odontológicos Sindicato Odontológico del Uruguay and Asociación Odontológica Nacional; 800 mems.; comprises 5 depts. and 7 sections; Dir. Dr. Eduardo Lopez Martinez; Secs. Dr. Walter Garcia, Dr. José Zinemanas; publs. *Odontología Uruguaya* (scientific), *Gremial e Informativa* (bi-monthlies); museum; library of 1,000 vols.

Asociación Rural del Uruguay (*Rural Association*): Uruguay 864; f. 1871; Pres. Benito Medero; Sec.-Manager Juan Carlos Estevez; publs. *Revista* (monthly), *Boletín*; library of 6,470 vols.

Ateneo de Clínica Quirúrgica (*Athenæum of Clinical Surgery*): f. 1934; Dir. Prof. Dr. Eduardo Blanco Acevedo; publ. *Anales*.

British Council, The (*El Consejo Británico*): Avenida Agraciada 1464, Piso 1°; co-operates with Instituto Cultural Anglo-Uruguayo in Montevideo, Fray Bentos, Las Piedras, Paysandu, Rivera and Salto; information on education in the United Kingdom; scholarships and bursaries to United Kingdom; exhibitions of art and science; educational film department and reference library. Rep. P. J. Seccombe.

Centro de Documentación y Divulgación Pedagogicas (*Pedagogic Publications Centre*): Plaza Cagancha 1175; f. 1888; library and museum *q.v.* Dir. Sra. Armonia Etchepare de Henestrosa.

Consejo Nacional de Higiene (*National Health Council*): Av. 18 de Julio 1892, Ministerio de Salud Pública; Minister Dr. Carlos Stajano; publ. *Memoria Anual*.

Dirección General de Estadística y Censos (*Statistical Office*): Cuareim 2052; f. 1829; Dir. Dr. Eduardo Fonticelli; publs. *Anuario Estadístico, Boletín Informativo de Hacienda, Indice de Precio de Artículos de Consumo*.

Dirección General de Meteorología del Uruguay (*National Meteorological Service*): Juan Lindolfo Cuestas No. 1525, Casilla de Correo 64; f. 1900; Dir. Capitán de Navío Alfonso Delgado Pealer; publs. *Boletín, Anuario, Revista Meteorológica* (quarterly).

Goethe Institut: c/o German Embassy, Casilla de Correo 414; Dir. Dr. Hans-Werner Wasmuth.

Instituto Cultural Anglo-Uruguayo (*Anglo-Uruguayan Cultural Institute*): Agraciada 1464, Piso 1°; f. 1934; library of 19,662 vols. of English literature; 1,400 records of English music; 4,600 students of English; lectures, films, musical, dramatic and social activities; Dir. P. J. Seccombe.

Instituto de Estudios Superiores (*Institute of Higher Studies*): Constituyente 1711; f. 1928; Pres. Dr. Carlos M. Fein; Sec. Luis P. Barattini; divided into sections: Music (Dir. Prof. Lauro Ayestarán); Phonetics (Dir. Dr. Adolfo Berro García); Experimental Philology (Dir. Dr. Aquiles Terrá); Geography and Geomorphology (Dir. Prof. Jorge Chebataroff); Geology (Dir. Ing. Jorge Aznárez); Palaeontology (Dir. Dr. Rodolfo Méndez Alzola); Spanish-American Literature (vacant); Biological Climatology (Dir. Dr. Manuel Silva Ferrer); Mathematics (Dir. Prof. Carlos A. Infantozzi); Oriental Culture (Dir. Prof. Nicholás Altuchov); Affiliated society: Meteorological Society: Dir. Prof. Néstor Píriz.

Instituto Geológico del Uruguay (*Geological Institute*): Calle Julio Herrera y Obes 1239; f. 1912; library of 12,650 vols.; Dir. Dr. Eduardo Terra Arocena; Geologists Ings. Nicolás Serra and Juan H. Caorsi; Palæontologist Dr. R. Méndez Alzola; Chief Engineer Hydrological Section Lorenzo Buquet; Chief Engineer Well-Boring Section E. E. Magnano; Inspector of Mines Ing. Mario Gil Nin; publs. *Boletín*, geological maps.

Instituto de Higiene de Montevideo: Américo Ricaldoni 3051; publ. *Anales*.

Instituto Histórico y Geográfico: 18 de Julio 1195, Montevideo; f. 1843; 32 mems.; Pres. Ariosto D. Gonzalez; publs. *Revista* (XXI vols.).

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Instituto Interamericano del Niño (*Inter-American Child Institute*): Avenida 8 de Octubre 2882; f. 1927 by Prof. Dr. Luis Morquio; all the States of the Americas are members; specialised library of 35,000 vols.; open to the public; Pres. Dr. MARCO TULIO MAGAÑA; Vice-Pres. Dr. FRED DELLI QUADRI; Sec. Dr. LUIS MONTAÑO ROLDÁN; Dir.-Gen. Dr. VÍCTOR ESCARDÓ Y ANAYA; publs. *Boletín, Noticiario, Informativo y libros y folletos especializados.*

Istituto Italiane di Cultura: Calle Paraguay 1177; Dir. SALVATORE CANDIDO.

Liga Uruguaya contra la Tuberculosis (*Anti-Tuberculosis League*): Magallanes 1320; f. 1902; Pres. Dr. CARLOS M. MURGUÍA; Sec. RAFAEL R. AMETRANO; owns an Observation Hospital for 400 child patients, a Dispensary, Preventive and Dental Centres.

Observatorio Astronómico (*Astronomical Observatory*): Casilla de Correo 867; f. 1928; Dir. Prof. CARLOS A. ETCHECOPAR.

Servicio Geográfico Militar (*Military Geographical Institute*): Avenida 8 de Octubre 3255; f. 1913; Director Col. ARTIGAS LOPÉZ; publ. *Boletín del Servicio Geográfico Militar*, scale and aerial maps.

Sociedad de Amigos de Arqueología (*Archæological Society*): Buenos Aires 652, Casilla 399; f. 1926; 70 mems., 16 foreign mems.; publ. *Revista.*

Sociedad de Arquitectos del Uruguay (*Society of Architects*): Av. Agraciada 1464, Piso 14; f. 1914; Pres. Arq. HECTOR A. GUERRA; publs. *Boletín, Arquitectura.*

Sociedad de Biología (*Biological Society*): Casilla 567; f. 1927; 190 mems., 20 hon. mems. affiliated to the Société de Biologie de Paris; library of 6,000 vols.; Pres. Prof. C. ESTABLE; Sec. Dr. C. GALEANO; publ. *Archivos de la Sociedad de Biología de Montevideo.*

Sociedad de Cirugía del Uruguay (*Surgical Society*): Av. Agraciada 1464, Piso 13; f. 1920; Pres. Dr. JUAN SOTO BLANCO; Vice-Pres. Dr. FERNANDO ETCHEGORRY; Sec.-Gen. Dr. ARMANDO LOUBEJAC; publ. *Boletín.*

Sociedad Uruguaya de Pediatría (*Pædiatrics Society*): Av. Agraciada 1464, Piso 13; f. 1915; 200 mems., affiliated to the Confederación de Sociedades Sudamericanas de Pediatría; Pres. Dr. JOSE A. SOTO; Sec. Dr. CARLOS A. BAUZÁ; publ. *Archivos de Pediatría del Uruguay*; library of 2,100 vols.

U.S. Information Center: Calle Yi 1327.

La Estanzuela, Dpto. Colonia

Instituto Fitotécnico y Semillero Nacional "Alberto Boerger" (*National Plant Breeding and Plant Research Institute*): f. 1914; library of 5,000 vols.; Dir. Ing. Agr. J. CANAL; publs. *Archivo Fitotécnico del Uruguay*, technical papers, etc.

Tacuarembo

Instituto del Indio: Institute for the study and improvement of the condition of Indians; attached to the Instituto de Estudios Superiores, Montevideo.

LIBRARIES

Montevideo

Archivo General de la Nación (*National Archives*): Calle Convención 1474; f. 1926; 14,000 vols.; Librarian ARBELIO RAMÍREZ; publ. *Revista.*

Biblioteca Nacional del Uruguay (*National Library*): Guayabo 1793; f. 1816; Dir. DIONISIO TRILLO PAYS; 500,000 vols.; comprises departments of catalogues, classification, bibliography, co-ordination and library of periodicals; publ. *Anuario Bibliográfico Uruguayo.*

Biblioteca Artigas-Washington (*U.S. Information Centre*): Calle Yi 1327; f. 1943; Dir. FRANCIS A. COOKE; 16,931 vols., mainly by modern United States authors, with special reference to technical works; 1,442 musical scores, 1,044 records, 4,518 pamphlets, 159 periodical subscriptions; publ. *Artigas-Washington.*

Biblioteca de los Maestros: f. 1920; 20,000 vols.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Ituzaingó 1379; Dir. Dr. SAUL PEREZ CASAS; Sec. ATILIO GIACOSA; 25,000 volumes.

Biblioteca del Museo Histórico Nacional (*Library of the National Historical Museum*): Casa Lavalleja, Zabala 1469, and Casa Rivera, Rincón 437; f. 1940; Dir. JUAN E. PIVEL DEVOTO; 33,836 vols., 1,352 vols. of MSS.; iconographs, engravings, maps, numismatics; the entire library and Uruguayan collections of Dr. Pablo Blanco Acevedo given to the State by his widow in 1942.

Biblioteca Pedagogica Central (*Pedagogic Library*): Plaza Cagancha 1175; f. 1888; library of 80,000 vols.; Dir. CARMEN SÁMANO DE BERMÚDEZ.

Biblioteca del Poder Legislativo (*National Congress Library*): Dir. S. VÁZQUEZ; 90,000 vols.

MUSEUMS

Montevideo

Museo Nacional de Bellas Artes (*National Museum of Fine Arts*): Parque Rodó, Casilla 271; f. 1911; 1,720 original paintings and 392 reproductions; Dir. JOSÉ LUIS ZORRILLA DE SAN MARTÍN; Deputy Dir. LEONARDO CANTÚ SIERRA.

Museo Histórico Nacional (*National Historical Museum*): Casa Rivera, Calle Rincón 437; f. 1900; sectional collections of local Indian cultures (prehistoric); colonial epoch, development and political and social history of the country; portraits, relics, arms, documents, coins, medals, etc., relating to the Wars of Independence, British invasion, early revolutions, etc. *Casa Lavalleja:* Independence period, 1825-28; donated collections: engravings from Robert Pietracaprina, "gaucho" objects from Dr. Roberto J. Bouton, archives, library and collections from Dr. Pablo Blanco Acevedo, and other testamentary donations. *Casa de Montero*, 25 de Mayo 428; also Museo Romantico 1830–1890: musicology; Dir. JUAN E. PIVEL DEVOTO; publs. *Revista Histórica*, catalogues, related leaflets.

Museo Nacional de Historia Natural (*Natural History Museum*): Casilla 399; f. 1837 as National Museum; herbarium with about 70,000 exhibits; archæological, native cultures, flora and fauna exhibits; zoological laboratory; library of 80,000 vols.; Dir. C. DIEGO LEGRAND; Sub-Dir. FERNANDO MAÑÉ-GARZÓN; Head of Laboratories: MIGUEL A. KLAPPENBACH; publs. *Anales, Comunicaciones Zoológicas, Comunicaciones Botánicas, Comunicaciones Antropologicas.*

Museo del Instituto Geológico del Uruguay (*Museum of Geological Institute*): f. 1912; rocks and fossils.

Museo Municipal (*Municipal Museum*): Camino Castro 153; Uruguayan ethnology.

Museo Pedagógico (*Pedagogic Museum*): Plaza Cagancha 1175; f. 1888; Dir. Srta. MARIA CARBONELL Y MIGAL.

Tacuarembo

Museo del Indio: Calle 25 de Mayo 315; founder Washington Escobar; affiliated to the Instituto de Estudios Superiores de Montevideo; large collection representing ancient native crafts, weapons and other implements of the aboriginal Indians.

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UNIVERSITIES

UNIVERSIDAD DE LA REPÚBLICA

MONTEVIDEO
AV. 18 DE JULIO 1824,
Telephone: 42021

Founded 1833.

Rector: Dr. MARIO A. CASSINONI.
Secretary-General: Dr. ORESTES ARAÚJO.

The University Council is composed of the Rector of the University, the Deans of Faculties, and a Delegate from each Faculty Council.

Number of teachers: 1,400.
Number of students: 11,500.

Faculty Libraries: Agronomy (16,000 vols. and periodicals); Architecture (15,000 vols. approx.); Economics (40,000 vols. and periodicals); Law (120,000 vols.); Humanities (49,000 vols.); Engineering (35,000 vols.); Medicine (215,000 vols.); Dentistry (7,000 vols.); Chemistry and Pharmacy (10,000 vols.); Veterinary Medicine (7,000 vols.).

DEANS:

Faculty of Medicine: Dr. JULIO C. GARCÍA OTERO.
Faculty of Economics and Business Administration: Dr. AGUSTÍN LAXALDE.
Faculty of Law and Social Sciences: Dr. RODOLFO MEZZERA ALVÁREZ.
Faculty of Odontology: Dr. HUGO C. AMORÍN.
Faculty of Agronomy: Ing. Agr. CARLOS FYNN.
Faculty of Chemistry and Pharmacy: Dr. Q. I. F. ITUZAINGÓ ALVARIZA.
Faculty of Engineering: Ing. CARLOS E. BERTA.
Faculty of Architecture: Arq. AURELIO LUCCHINI.
Faculty of Veterinary Science: Dr. ALFONSO H. GAGGERO.
Faculty of Humanities and Science: Dr. CARLOS VAZ FERREIRA.

As no professor list has been received this year or last from the Universidad de la República, the list has been deleted from the present edition.

UNIVERSIDAD DEL TRABAJO DEL URUGUAY
(Technical University)

CALLE SAN SALVADOR 1674, MONTEVIDEO

Founded 1942.

President: Ing. AGUSTIN MAGGI.

Publication: *Revista Voluntad.*

The University organises and controls a number of industrial and night schools in Montevideo and other centres in the country, which provide technological education and training in various trades. The main industrial schools in Montevideo are:

Escuela Industrial de Mecánica y Electrotecnia (*Mechanics and Electrotechnics*): Gonzalo Ramírez 1675; also Ensina 1564, esq. Salto.
Director: FELIPE J. RAFFINI.

Escuela de Industrias de la Construcción (*Building*): Arenal Grande 1604, esq. Dante; number of teachers 86.
Director: JORGE GALUP.

Escuela de Industrias Femeninas (*Women's Trades and Domestic Economy*): San Salvador 1674; number of teachers 34.
Director: Prof. NELSON LÓPEZ HÚBERT.

Escuela de Artes Aplicadas (*Applied Arts*): Durazno 1557.
Director: Prof. LUIS A. GENTIEU.

Escuela de Artes Gráficas (*Graphic Arts*): Durazno 1555.
Director: RENÁN E. LAMAS.

Escuela de Industrias Navales (*Boatbuilding*): Juan L. Cuestas 1525.
Director: Com. Ing. RODOLFO GASDIA.

Escuela de Enseñanza Comercial (*Business Training*): San Salvador 1674.
Director: Cont. EDUARDO NOUGRERES.

Escuela Industrial de la Unión: Larravide esq. Joanicó;
Director: Arq. JOSÉ R. AMELA.

Escuela Industrial del Cerro: Agraciada 2544 esq. General Aguilar.
Director: Arq. EDUARDO G. VILLAVERDE.

There are industrial schools affiliated to the University at: Artigas, Canelones, Cardona, Carmelo, Colonia, Dolores, Durazno, Florida, Fraile Muerto, Fray Bentos, Fray Marcos, Guichón, Las Piedras, Maldonado, Melo, Mercédes, Minas, Pan de Azúcar, Pando, Paysandú, Rio Branco, Rivera, Rocha, Rosario, Salto, San Carlos, San José, San Ramón, Santa Lucía, Sarandí del Yí, Tacuarembó, Treinta y Tres, Trinidad, Young and Villa Soriano.

And agricultural schools at: Artigas, La Concordia, Durazno, Florida, Fray Bentos, Melo, Minas de Corrales, Pirarajá, Rivera, Rocha, Rosario, San Carlos, San Ramón, Sarandí Grande, Tacuarembó and Trinidad.

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VATICAN CITY STATE

ACADEMIES

Pontificia Academia Scientiarum (*Pontifical Academy of Science*): Casina di Pio IV, Vatican Gardens; f. 1603 as *Linceorum Academia*; reorganised by Pope Pius IX in 1847 as *Pontificia Accademia dei Nuovi Lincei*; reconstituted with present title by Pius XI in his Motu Proprio "In multis solaciis", 1936. The Academy is directly subject to the Sovereign Pontiff, and it is composed of seventy Pontifical Academicians, nominated by the Holy Father himself, proposed by the Academical Body and chosen without any discrimination from amongst the most famous experts in mathematical and experimental sciences in all countries. The seventy Pontifical Academicians are supplemented by Supernumerary Academicians, who are such by reason of their office, and by Honorary Academicians, chosen for their services to the Academy itself. An Apostolic Brief of 1940 granted to Pontifical Academicians the title of "Excellency"; publs. *Commentarii, Scripta varia.*

President: Prof. Georges Lemaitre.
Chancellor: Dr. Pietro Salviucci.

I. Honorary Academicians:

Cardinal Eugenio Tisserant.
Cardinal Giuseppe Pizzardo.
Cardinal Giovanni Amleto Cigognani.
Cardinal Anselmo Albareda.
Prof. Vittorio Valletta.

II. Pontifical Academicians:

Albareda-Herrera, José (Spain).
Appleton, Sir Edward (United Kingdom).
Best, Herbert Charles (Canada).
Boldrini, Marcello (Italy).
Bonino, Giovanni Battista (Italy).
Brück, Hermann Alexander (United Kingdom).
Buytendijk, F. J. J. (Holland).
Castellani, Aldo (Portugal).
Chadwick, Sir James (United Kingdom).
Chagas-Filho, Carlos (Brazil).
Colonnetti, Gustavo (Italy).
Conway, Edward Joseph (Ireland).
Crocco, Gaetano Arturo (Italy).
Cruz-Coke, Eduardo (Chile).
Dainelli, Giotto (Italy).
De Almeida, Antonio (Portugal).
de Broglie, Prince Louis (France).
Debye, Peter (U.S.A.).
de Hevesy, Georges (Sweden).
Dirac, Paul Adrian Maurice (United Kingdom).
Doisy, Edward Adelbert (U.S.A.).
Eccles, Sir John Carew (Australia).
Garcia Otero, Cesar Julio (Uruguay).
García Siñériz, José (Spain).
Gherzi, Ernesto, s.j. (Canada).
Ghigi, Alessandro (Italy).
Giacomello, Giordano (Italy).
Hahn, Otto (Germany).
Heisenberg, Werner Carl (Germany).
Hess, Victor Francis (U.S.A.).
Hess, Walter Rudolf (Switzerland).
Heymans, Corneille (Belgium).
Hinshelwood, Sir Cyril Norman (United Kingdom).
Hörstadius, Sven (Sweden).
Houssay, Bernardo (Argentina).
Hurtado, Alberto (Peru).
Julia, Gaston Maurice (France).
Lemaitre, D. Georges (Belgium).
Leprince-Ringuet, Louis (France).
Marotta, Domenico (Italy).
Michotte van den Berch, Albert (Belgium).
Mizushima, Sanichiro Paul (Japan).
Niehans, Paul (Switzerland).
Oort, Jan Hendrik (Holland).
Pensa, Antonio (Italy).
Pistolesi, Enrico (Italy).
Raman, Sir Chandrasekhara Venkata (India).
Rasetti, Franco (U.S.A.).
Ruzicka, Leopold (Switzerland).
Sandoval-Vallarta, Manuel (Mexico).
Speri Sperti, George (U.S.A.).
Taylor, Hugh Stott (U.S.A.).
Tiselius, Arne (Sweden).
Virtanen, Artturi Ilmari (Finland).
Yukawa, Ydeki (Japan).

III. Supernumerary Academicians:

Giusti, Martino.
Junkes, Giuseppe, s.j.
O'Connell, Daniel.
Raes, Alphonse, s.j.
Schulien, Michele, s.v.d.

Accademia Romana di S. Tommaso d'Aquino e di Religione Cattolica (*Roman Academy of St. Thomas Aquinas*): 1 Piazza della Cancelleria, Rome; f. 1879; theological, philosophical and juridico-economic sections; Presidency Council consists of Cardinals Clemente Micara, Giuseppe Pizzardo, Sec. Father Carlo Boyer, s.j.

Pontificia Accademia dell' Immacolata (*Academy of the Immaculate Conception*): 51 Piazza SS. Apostoli, Rome; f. 1835; Protector Card. Clemente Micara; Pres. Most Rev. Mgr. Pietro Sigismondi; Sec. and Archivist Fr. Lorenzo Di Fonzo, o.f.m.conv.; publs. *Studi Mariani, Vol. I*, 1944, *Alma Socia Christi, Vol. IX*, 1953, *Virgo Immaculata*, Vol. XV, 1958, *Maria et Ecclesia*, Vol. XV, 1960.

Cardinal Academicians:

Pizzardo, Giuseppe.
Spellman, Francesco.
Ruffini, Ernesto.
Ciriaci, Pietro.
Ottaviani, Alfredo.
Confalonieri, Carlo.
Roberti, Francesco.

Pontificia Accademia Mariana Internazionale (*Pontifical International Marian Academy*): via Merulana 124, Rome (Telephone 770551); f. 1946, Pontifical since 1959; Protector Cardinal Alfredo Ottaviani; Pres. Carlo Balic, o.f.m.; Sec. Paolo Melada, o.f.m.

Pontificia Accademia Romana di Archeologia (*Pontifical Roman Academy of Archæology*): Palazzo della Cancelleria Apostolica; f. 1740; 127 mems.; Pres. Prof. Pietro Romanelli; Vice-Pres. Prof. Gioacchino Mancini; Sec. Dr. Deoclecio Redig de Campos; publs. *Rendiconti, Memorie.*

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Pontificia Insigne Accademia Artistica dei Virtuosi al Pantheon: Palazzo della Cancelleria Apostolica, Piazza della Cancelleria, Rome; f. 1542; Protector Cardinal CLEMENTE MICARA; Pres. Principe URBANO BARBERINI; Sec. Prof. GIULIO R. ANSALDI.

Accademia Liturgica: 21 Via Pompeo Magno, Rome; f. 1740, reconstituted 1840; Pres. and Protector Cardinal CLEMENTE MICARA; Dir. Most Rev. GIUSEPPE PIZZONI, C.M.; Sec. (vacant).

Pontificia Accademia Teologica Romana: attached to the Pontifical University of the Lateran; 4 Piazza S. Giovanni in Laterano, Rome; f. 1718; 34 hon. mems., 40 ordinary mems., 20 being normally resident in Rome, 10 from the rest of Italy and 10 from other countries, and 12 corres. mems.; Protector Cardinal GIUSEPPE PIZZARDO; Sec. Rt. Rev. Mgr. ANTONIO PIOLANTI; publs. *Divinitas*.

Collegium Cultorum Martyrum: 1 Via Napoleone III, Rome; f. 1879; *circa* 850 mems.; Curator and Master Mgr. PIO PASCHINI; Sec. Dr. VALERIO POLACCO.

LIBRARIES

Biblioteca Apostolica Vaticana (*Vatican Apostolic Library*): Over the centuries, the Papal Library was several times dispersed and reconstructed; the present library was founded by Pope Nicholas V about the middle of the 15th century; at his death the Library contained 1,209 codices (414 Greek, 795 Latin); at the present time it contains some 60,000 MSS., 100,000 engravings, 5,000 incunabula, and 900,000 other volumes; among famous collections which have helped to build up the Library are those of the Dukes of Urbino (1657), of Queen Christina of Sweden (1690), of the Florentine Marquis Capponi (1745), of Barberini (1902), of Chigi (1923), and the Borghese collection, which included many items housed in the Papal Library at Avignon; the Sistine Chapel collection is of the greatest importance to historians of music; among the many rare and precious MSS. in the Library are a Greek Bible of the 4th century, Vergils of the 4th and 6th centuries, a 4th-5th-century palimpsest of Cicero's *Republic*, autographs of St. Thomas Aquinas, Tasso, Petrarch, Boccaccio, Poliziano, Michaelangelo, and Luther; Cardinal Protector EUGENE TISSERANT; Prefect Fr. ALPHONSE RAES; Vice-Prefect Can. ARNOLD VAN LANTSCHOOT.

The **Museo Sacro** (f. 1745); the **Museo Profano** (f. 1767; Hon. Conservator Dom GUIDO FERRARI), and the **Gabinetto Numismatico** (f. 1738; Hon. Conservator Dr. LUIGI MICHELINI-TOCCI), now form part of the Library.

Archivio Segreto Vaticano (*Papal Archives*): estab. by Pope Paul V in 1611; opened to students in 1880; publ. (jointly with Vatican Library) *Studi e Testi pubblicati per cura degli Scrittori della Biblioteca Vaticana e degli Archivisti dell' Archivio Vaticano*; Archivist Cardinal EUGÈNE TISSERANT; Prefect MARTINO GIUSTI; Vice-Prefect HERMANN HOBERG.

In addition to these two important libraries there is a library attached to each of the Papal Colleges and Seminaries.

MUSEUMS

Director-General of the Pontifical Monuments, Museums and Galleries: Count Dr. PAOLO DALLA TORRE DI SANGUINETTO (Acting).

Treasurer: Gr. Uff. Rag. GIUSEPPE CARLOTTI.

The Vatican Museums and Galleries contain the following sections:

Musei di Scultura: Museo Pio-Clementino; f. by Pope Clement XIV (1770-1774), and enlarged by his successor, Pius VI; exhibits include the Apollo of Belvedere, the Apoxyomenos by Lysippus, the Laocoon Group, the Nile and portraits of Homer, Pericles, Socrates and Plato; the original Vatican Museum was begun with the Apollo—already in possession of Pope Julius II when he was still a Cardinal, at the end of the 15th century—and the Laocoon Group, found in 1506.

Museo Chiaramonti and Braccio Nuovo: f. by Pope Pius VII at the beginning of the 19th century, to house the many new findings excavated in that period; exhibits include the statues of Demosthenes and of the Augustus "of Primaporta".

Museo Gregoriano Etrusco: inaugurated by Pope Gregory XVI in 1838; contains Tomba Regolini Galassi, bronze vases, terra-cotta and sepulchral urns.

Museo Gregoriano Egizio: inaugurated by Pope Gregory XVI in 1839; contains Egyptian papyri, mummies, sarcophagi and statues, including statue of Queen Tua (1300 B.C.).

Cappelle, Sale e Gallerie Affrescate: Cappella del Beato Angelico (o di Niccolò V, 1448-1450); Cappella Sistina constructed for Sixtus IV (1471-1484); Cappella di Urbano VIII (1625-1644); Le Stanze e Le Logge di Raffaello, etc.

Pinacoteca Vaticana: inaugurated by Pope Pius XI in 1932; includes paintings by Fra Angelico, Raphael, Leonardo Da Vinci, Titian and Caravaggio, and the Raphael Tapestries.

General Director: Count Dr. PAOLO DALLE TORRE DI SANGUINETTO; Inspector for the Medieval and Modern Section Dr. DEOCLECIO REDIG DE CAMPOS.

The Lateran Museums, Piazza San Giovanni in Laterano, Rome, consist of:

Museo Profano Lateranense: inaugurated 1844; includes statue of Sophocles found at Terracina; Curator: Prof. ENRICO JOSI.

Museo Cristiano Pio Lateranense: the largest and most important collection of Christian sarcophagi and inscriptions in existence; arranged 1854-1954; Curator Prof. ENRICO JOSI.

Museo Missionario-Etnologico: inaugurated 1927 by Pope Pius XI; Dir. MICHELE SCHULIEN; Asst. Dirs. P. PANCRAZIO MAARSCHALSKERWEERD, Conte Dr. PAOLO DALLA TORRE; publ. *Annali Lateranensi*.

Publs. for all except the Missionary Museum: *Relazioni dei Monumenti, Musei, Gallerie Pontificie, nei Rendiconti della Pontificia Accademia Romana di Archeologia.*

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UNIVERSITIES AND COLLEGES

PONTIFICIA UNIVERSITAS GREGORIANA
(Pontifical Gregorian University)

4 PIAZZA DELLA PILOTTA, ROME

Founded by St. Ignatius Loyola and St. Francis Borgia, and constituted by Pope Julius III in 1553; confirmed and established by Pope Gregory XIII in 1582.

The central university for ecclesiastical studies **Pontificio Istituto Biblico** and **Pontificio Istituto per gli Studi Orientali** are autonomous colleges associated with the University.

Grand Chancellor: Cardinal GIUSEPPE PIZZARDO.
Vice-Grand Chancellor: Most Rev. Father GIOVANNI B. JANSSENS.
Rector Magnificus: Most Rev. Father PAOLO MUÑOZ VEGA.
Prefect-General of Studies: EDOARDO DHANIS.
Secretary-General: LUDOVICO SANSCHAGRIN.
Librarian: MARCUS DYKMANS.

The library contains 400,500 volumes.
Number of teachers: 137.
Number of students: 3,006.
Publications: *Gregorianum, Periodica de re morali, canonica, liturgica, Analecta Gregoriana, Textus et documenta, Miscellanea Historiae Pontificiae, Studia Missionalia, Sint Unum, Collectanea Spiritualia, Studia Socialia, Liber Annualis et Vita Nostra.*

DEANS:

Faculty of Theology: RENATO LATOURELLE.
Faculty of Canon Law: PIETRO HUIZING.
Faculty of Philosophy: FILIPPO SELVAGGI.
Faculty of Ecclesiastical History: VINCENZO MONACHINO.
Faculty of Missionary Work: PRUDENZIO DAMBORIENA.
Institute of Social Sciences: TEODORO MULDER.

PROFESSORS:

ALFARO, JUAN (Dogmatic Theology).
ALSZEGHY, ZOLTAN (Dogmatic Theology).
ASENSIO, FELIX (Exegesis).
BELTRÃO, PEDRO (Demography and Family Sociology).
BERNARD, CHARLES (Spiritual Theology).
BERNINI, GIUSEPPE (Exegesis and Introduction to Holy Scripture).
BERTRAMS, WILHELM (Text of Canon Law and Philosophy of Law).
BEYER, JOANNES (Canon Law Texts).
BIDAGOR, RAMÓN (Text of Canon Law).
BLET, PIERRE (Historical Method and Chronology).
BORTOLOTTI, ROBERTO (Church Public Law and Concordat Law).
BOYER, CHARLES (Dogmatic Theology).
DE BROGLIE, GUY (Dogmatic Theology).
BUIJS, LUDOVICUS (Text of Canon Law).
CARRIER, HERVÉ (Introduction to Social Sciences and Sociology).
CERECEDA, RAOUL (Comparative Constitutional Law).
COFFEY, EDWARD (Ethics).
COPLESTON, FREDERICK (Metaphysics and History of Philosophy).
CRONIN, TIMOTHY (History of Mediaeval Philosophy).
CRUCHON, GEORGES (Educational Psychology).
DAMBORIENA, PRUDENCIO (General Mission History, Protestant Mission Theology, and Mission Geography).
DELANNOYE, GEORGES (Rational Psychology and Methodology).
DHANIS, EDOUARD (Fundamental Theology).
DIAZ DE CERIO, FRANCO (Philosophy of History).
DIEZ ALEGRÍA, JOSÉ (Church Social Doctrine and Introduction to Law).
DROULERS, PAUL (Modern History).
DUMEIGE, GERVAIS (History of Spirituality).
FABREGAS, MIGUEL (Moral Theology and Canon Law).
DE FINANCE, JOSEPH (General Ethics).
FLICK, MAURIZIO (Dogmatic Theory).
FUCHS, JOSEF (Moral Theology).
FUERST, CLEMENT (Dogmatic Theology and Methodology).
GARCIA VILLOSLADA, RICCARDO (Recent History).
GOENAGA, JOSÉ (Social Ethics).
GOETZ, JOSEPH (Ethnology, History of Primitive Religions, and Social Anthropology).
GONZALEZ, CAMINERO NEMESIO (History of Ancient Philosophy).
GORDON, IGNACIO (Text of Canon Law).
GRASSO, DOMENICO (Pastoral Theology).
GRISAR, JOSEF (Modern History).
HAMEL, EDOUARD (Moral Theology).
HENRICI, P. (History of Philosophy).
HUIZING, PETRUS (History of Canon Law, and Methodology of Canon Law).
JARLOT, GEORGES (Economic-Social History and Pontifical Documents).
KEMPF, FRIEDRICH (Mediaeval History).
KIRSCHBAUM, ENGELBERT (Christian Archæology and History of the Arts).
KOŘINEK, ALOJS (Natural Theology and Interpretation of Aristotle).
DE LABURU, JOSÉ A. (Characterology).
LAND, PHILIP (Economics and Economic Ethics).
LATOURELLE, RENÉ (Fundamental Theology and Introduction to Holy Scripture).
LONERGAN, BERNARD (Dogmatic Theory).
LOTZ, JOHANN B. (Epistemology and Modern Philosophical Questions).
MARCOZZI, VITTORIO (Scientific Questions of Biology and Anthropology related to Philosophy).
MASSON, JOSEPH (Mission Dogmatic, Missiography, Statistics and Buddhism).
MENDIZABAL, LUIS (Spiritual Theology).
MOLLAT, DONATIEN (Exegesis).
MONACHINO, VINCENZO (Ancient Church History).
MORANDINI, FRANCESCO (Introduction to Scholastic Philosophy, Logic and Epistemology).
MORIARTY, FREDERIC (Exegesis).
MRUK, ANTONI (History of Moral Theology).
MULDER, THEODORUS (Economics).
MUÑOZ VEGA, PABLO (Religious Psychology).
NAVARRETE, URBANO (Text and History of Canon Law).
NOWLAN, EDWARD (Experimental and Social Psychology).
O'FARRELL, FRANCIS (Metaphysics).
ORBE, ANTONIO (Patrology and Patristic Theology).
PIN, EMILE (General and Religious Sociology).
PUZO, FELIX (Exegesis).
QUINN, KEVIN (Mathematics and Economics).
RABIKAUSKAS, PAULUS (Paleography and Diplomacy).
ROBLEDA, OLIS (Roman Law).
SCHMIDT, HERMAN (Liturgy).
SCHNEIDER, BURCHARD (Modern Church History).
SELVAGGI, FILIPPO (Cosmology and Philosophy of Sciences).
SPRINGHETTI, EMILIO (Classical Latin and Biblical Greek).
SULLIVAN, FRANCIS (Fundamental Theology).
TROMP, SEBASTIANUS (Fundamental Theology).
TRUHLAR, KAROL (Spiritual Theology).
VAN BULCK, VEDASTUS (Introduction to History of Religions and Social Ethnology).
VAN OOTEGHEM, ROBERTUS (Economics).
VAN ROO, WILLIAM (Dogmatic Theology).
VIGNON, HENRI (Dogmatic Theology).
WITTE, JOANNES (Protestant Theology).
ZALBA, MARCELINO (Moral Theology).

PONTIFICIO ISTITUTO BIBLICO

35 PIAZZA DELLA PILOTTA, ROME

Telephone: 672778

Founded 1909 by Pope Pius X for scriptural studies; Faculty of Ancient Oriental Studies added 1932; Pontifical Biblical Institute of Jerusalem f. 1927 (daughter college of Roman Institute)

Grand Chancellor: His Eminence Cardinal GIUSEPPE PIZZARDO, Pref. of Congregation of Studies.

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Vice-Grand Chancellor: Most Rev. Father Giovanni Baptista Janssens.
Rector: Rev. Father Roderick MacKenzie.
Vice-Rector: Rev. Father Alberto Vaccari.
Pres. Institute of Jerusalem: Rev. Father Louis Semkowski.
Secretary: Rev. Father Giorgio Novotny.
Librarian: Rev. Father Edoardo des Places.
Number of professors: 25.
Number of students: 240.
Publications: *Biblica* (quarterly), *Orientalia* (quarterly), *Verbum Domini* (every two months).

Deans:

Biblical Faculty: Rev. Father Stanislao Lyomnet.
Faculty of Ancient Oriental Studies: Rev. Father Jean Simon.

Professors:

Faculty of Biblical Studies:
Alonso-Schökel, L. (Old Testament Introduction and Theology).
Beauchamp, P. (Old Testament Introduction).
Boccaccio, P. (Hebrew and Aramaic).
De La Potterie, I. (New Testament Exegesis).
Lyonnet, S. (Exegesis, New Testament Theology).
Martin, M. (Semitic Palæography and Rabbinical Theology).
Martini, C. (Textual Criticism, Gospels).
Mackenzie, R. A. F. (Old Testament Exegesis).
McCool, F. (Introduction to the New Testament).
Moran, W. (Old Testament Exegesis).
Pavlovsky, J. (History of Israel).
Places, E. des (History of Greek Religion and Philosophy).
Proulx, P. (History of Exegesis).
Prümm, C. (Pauline Theology, Greek Religion).
Semkowski, L. (Semitic Epigraphy, Hebrew).
Vaccari, A. (History of Exegesis).
Vanhoye, A. (New Testament Exegesis).
Vogt, E. (Old Testament Exegesis).
Zerwick, M. (New Testament Exegesis, Græco-Judaic Literature, Biblical Greek).

Faculty of Ancient Oriental Studies:
Dahood, M. (Ugaritic Language and Literature).
Deller, K. (Accadian Language and Literature).
Köbert, R. (Syriac and Arabic Language and Literature).
Lyonnet, S. (Armenian and Georgian Languages and Literature).
Massart, A. (Egyptian Language and Literature).
Patti, J. (Persian Language and Literature; Sanskrit).
Proulx, P. (Accadian Language and Literature).
Simon, J. (Coptic and Ethiopian Language and Literature).

PONTIFICIUM INSTITUTUM ORIENTALIUM STUDIORUM
(Pontifical Institute of Oriental Studies)

7 PIAZZA SANTA MARIA MAGGIORE, ROME
Telephone: 735826

Founded 1917 by Pope Benedict XV for the benefit of Eastern and Western clergy, both Catholic and non-Catholic, interested in Oriental ecclesiastical questions.

President: Rev. Joseph Gill, S.J.
Vice-President: Rev. Ignazio Ortiz de Urbina, S.J.
Secretary: Rev. Jan Rezáč, S.J.
Librarian: Rev. Jan Krajcar, S.J.

The library contains 82,000 volumes.
Number of professors: 27.
Number of students: 120.
Publications: *Orientalia Christiana Periodica, Orientalia Christiana Analecta, Concilium Florentinum* (*Documenta et Scriptores*), *Anaphorae Syriacae.*

Professors:

Ammann, A. M. (Slav Church History; Russian Church Art).
Candal, E. (Comparative Dogmatic Theology; Greek and Latin Palæography).
Gill, J. (Classical and Vernacular Greek; Byzantine Church History).
Goubert, P. (Oriental Church History and Archæology).
Hausherr, I. (Mystical and Ascetic Theology).
Köbert, R. (Syrian, Islamic Studies).
Krajcar, J. (Slav Church History).
Lacko, M. (Oriental Studies; Balkan Church History).
Leskovec, P. (Comparative Dogmatic Theology).
Ligier, L. (Oriental Liturgy).
Mateos, J. (Arabic, Rumanian, Oriental Liturgy).
Olšr, J. (Slav Church History, and Old Slav Language).
Placid, C. M. I. (Malabarian Studies).
Pujol, C. (Oriental Canon Law).
Raes, A. M. (Oriental Liturgy).
Rezáč, J. (Oriental Canon Law).
Sakač, S. (Balkan Church History).
Salvo, B. di (Oriental Liturgical Music).
Schultze, B. (Comparative Dogmatic Theology).
Simon, J. (Coptic and Ethiopian).
Špidlík, T. (Mystical and Ascetic Theology).
Stephanou, P. (Byzantine Church History).
Urbina, O. de (Oriental Patrology).
Vries, G. de (Church History in the Near East; Comparative Dogmatic Theology).
Wetter, A. G. (History of Russian Philosophy).
Wuyts, A. (Oriental Canon Law).
Zužek, J. (Russian, Oriental Canon Law).

PONTIFICIA UNIVERSITAS URBANIANA

16 VIA URBANO VIII, ROME

Founded 1627 by Pope Urban VIII.

Grand Chancellor: Cardinal Peter Gregory Agagianian.
Rector Magnificus: Rt. Rev. Mgr. Salvatore Garofalo.
Secretary-General: Very Rev. Stephen Virgulin.
Librarian: Rt. Rev. Mgr. Nicolas Ladomerszky.
Publications: *Euntes docete, Bibliotheca Missionaria.*

Deans:

Faculty of Theology: Very Rev. Father John Visser, C.S.S.R.
Faculty of Philosophy: Very Rev. Father Ugo Viglino, I.M.C.
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PONTIFICIO ATENEO "ANGELICUM"

1 SALITA DEL GRILLO, ROME

Founded 1580.

International Dominican University.

Grand Chancellor: Most Rev. Mag. Anicetus Fernandez Alonso., S.Th.M., O.P., Master General.
Rector Magnificus: Very Rev. Raymond Sigmond, O.P., S.Th.M., Sc.Soc.D.
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Master of Studies: Very Rev. Andrew Petru, O.P., S.Th.M.
General Secretary and Economus: Rev. Denis Lewis, O.P., S.Th.D.
Librarian: Rev. Clement Vansteenkiste, O.P., S.Th.L.
The library contains 113,226 volumes.
Number of students: 709.
Publication: *Angelicum.*

Deans:

Faculty of Theology: Rev. Father Benedict Lemeer, O.P., S.Th.M.
Faculty of Canon Law: Rev. Father Severinus Alvarez, O.P., S.Th.M., J.C.D.
Faculty of Philosophy: Rev. Father Atanasio de Vos, O.P., S.Th.M.

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Faculty of Theology:
Bednarski, Rev. Felix, O.P. (Moral Theology and Pedagogy).
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Founded 1933.

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Prefect of Studies: Rev. Father MICHAEL BRLEK.
Secretary: Rev. Father EUGEN PAPARELLI.
Librarian: Rev. Father REGINALDUS WEIJENBORG.

The library contains 150,000 volumes.
Number of professors: 48.
Publication: *Antonianum.*

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4 PIAZZA S. GIOVANNI IN LATERANO, ROME

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The library contains 250,000 volumes.
Number of students: 1,400.

Publications: *Apollinaris, Lateranum, Divinitas, Studia et Documenta Historiae et Juris, Aquinas, Communio, Collectio Philosophica Lateranensis, Studi Pastorali.*

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PONTIFICIA FACOLTÀ TEOLOGICA DI S. BONAVENTURA DEI FRATI MINORI CONVENTUALI

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Founded 1905.

Grand Chancellor: Most Rev. Father BASILIO HEISER.
President: Most Rev. Father LORENZO DI FONZO.
Secretary: Very Rev. Father GIOVANNI ODOARDI.

Number of professors: 17.
Publication: *Miscellanea Francescana* (Vol. 62, 1962).

PROFESSORS:

ABATE, GIUSEPPE (Codicology).
BLASUCCI, ANTOMIO (Spiritual Theology and Ecclesiology).
DI FONZO, LORENZO (Biblical Introduction).
GAGOV, GIUSEPPE (Patristics and Christian Archæology).
MACALI, LUIGI (Fundamental Morals).
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SIMEONE, LORENZO (Special Morals).
SIRNA, GIUSEPPE (Canon Law).
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5A PIAZZA SAN PANCRAZIO, ROME
Telephone: Rome 582362

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Grand Chancellor: Most Rev. Father ANASTASIO DEL SS. Rosario, C.D.
President: Very Rev. Father FILIPPO della SS. Trinità.
Secretary: Rev. Father GIUSEPPE del Cuore Immac. di Maria, O.C.D.

Publication: *Ephemerides Carmeliticae* (specialist review twice yearly), *Archivum Bibliographicum Carmelitanum* (bibliographical supplement to *Ephemerides Carmeliticae*; annual).

PONTIFICIO ATENEO DI S. ANSELMO

19 VIA DI PORTA LAVERNALE, ROME
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Telegraphic Address: Santanselmo Aventino, Rome

Founded 1687.

International Benedictine college.

Grand Chancellor: Most Rev. Father BENNO GUT, O.S.B., TH.D., S.S.L.
Rector Magnificus: Rev. Father AUGUSTINE MAYER.
Secretary: Rev. Father LAMBERT DUNNE.
Librarian: Rev. Father JOHN MULLER
Treasurer: Rev. Father THOMAS RUCKERT.

Number of professors: 35.
The library contains 40,000 volumes.
Publications: *Studia Anselmiana, Rerum Ecclesiasticarum Documenta* (Critical Editions of Liturgical Texts), *Corpus Consuetudinum Monasticarum.*

DEANS:

Faculty of Theology: Rev. Father CYPRIAN VAGAGGINI.
Faculty of Philosophy: Rev. Father JOHN MULLER.

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Monastic Institute: Rev. Father BASIL STEIDLE.

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BESTE, U., I.C.D. (Canon Law).
CALATI, B. (Monastic Studies).
CARDINE, E. (Gregorian Chant).
DE LORENZI, L., TH.D., S.S.L. (Holy Scripture).
FLOOD, P., M.D., I.C.L. (Pastoral Medicine).
FÜGLISTER, N., TH.D., S.S.L. (Holy Scripture).
GRIBOMONT, J., SC.DR.D.(Seminar).
GUENTHOER, A., TH.D. (Moral Theology).
HALLINGER, C., TH.D. (Ecclesiastical History).

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Josi, H. (Archæology).
Kemmer, A., th.d. (Ascetic and Mystical Theology).
Lanne, E., Diplomé (Oriental Theology).
Leclercq, J., th.d., ph.d. (Seminar).
Leloir, L., th.d., s.s.l. (Holy Scripture).
Marsili, S., th.d. (Liturgy).
Mayer, A., th.d. (Dogmatic Theology).
Nocent, A. (Sacred Liturgy).
Sartory, T., th.d. (Protestant Theology).
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Stockle, B., th.d. (Fundamental Theology).
Vagaggini, C., ph.d., th.d. (Dogmatic Theology).
Zakar, P., th.d., hist.eccl.l. (Ecclesiastical History).
Zayek, F., th.d., i.c.d. (Oriental Canon Law).

Faculty of Philosophy:

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Bueki, G., ph.d. (Ontology, Criteriology).
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Heitmann, A., th.d. (Natural Theology).
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PONTIFICIO ISTITUTO DI ARCHEOLOGIA CRISTIANA
(Pontifical Institute of Christian Archæology)

1 VIA NAPOLEONE III, ROME

Founded 1925 by Pope Pius XI.

Grand Chancellor: Cardinal Giuseppe Pizzardo.
Rector: Felice Domenico Darsy.
Secretary: Mgr. Dr. Giovanni Manthey.

Publications: *Rivista di Archeologia Cristiana.*

Professors:

Apollonj-Ghetti, Bruno Maria (Ancient Sacred Architecture).
Darsy, Dr. P. Domenico (General Introduction to Christian Archæology).
De Bruyne, Luciano (Christian Iconography).
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Josi, Enrico (Topography of Ancient Rome).
Mohlberg, D. Cuniberto, o.s.b. (History of the Early Church).

PONTIFICIO ISTITUTO DI MUSICA SACRA

20A PIAZZA S. AGOSTINO, ROME

Founded 1911 by Pope Pius X.

President: Most Rev. Igino Anglès Pamies.
Secretary-General: Most Rev. Angelo Coan.

Number of teachers: 11; students: 80.
Publication: *Bulletin.*

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Founded 600 by Pope Gregory I; reorganised by Pope Sixtus IV, 1484.

Permanent Director: Mgr. Domenico Bartolucci.
Secretary and Archivist: Cav. Luigi Gentili.
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Number of students: 50.

There are in addition over 20 National Colleges, several Colleges of Eastern Rites, approximately 30 Colleges of Religious Orders, and 2 Seminaries.

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VENEZUELA

Population 8,140,000

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Academia Venezolana de la Lengua (*Academy of Venezuela*): Palacio de las Academias, Antigua Universidad Central; f. 1882; 5th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Boletín* (quarterly).

Director: José Manuel Nuñez Ponte.
Secretary: Rafael Yepes Trujillo.
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Barnola, Pedro Pablo (Censor).
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Academia Nacional de la Historia (*National Academy of History*): Palacio de las Academias, Antigua Universidad Central; f. 1888; publs. *Boletín, Memorias, Anuario.*

Director: Cristóbal L. Mendoza.
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Academia Nacional de Medicina (*National Academy of Medicine*): Palacio de La Academias, Antigua Universidad Central; f. 1904; 40 mems.; library 8,000 vols.; publ. *Gaceta Médica de Caracas.*

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Academia de Ciencias Físicas, Matemáticas y Naturales (*Academy of Physical, Mathematical and Natural Science*): Palacio de las Academias, Apdo. 1421; f. 1917; 30 Venezuelan, 20 foreign mems.; Permanent Commissions: Mathematics; Applied Mathematics; Astronomy, Geography, Hydrography and Navigation; Physical Science; Chemistry; Natural Science and Resources of the Country; Study of Educational Text-Books; Geology and Minerals; Agronomy; Meteorology; publs. *Boletín* (quarterly), collections of works.

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Academia de Ciencias Politicas y Sociales (*Academy of Political and Social Sciences*): Palacio de las Academias, Antigua Universidad Central; f. 1917; publ. *Boletín*.

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Asociación Cultural Humboldt (*German Cultural Institute*): Avda. Segunda, No. 14, Campo Alegre; f. 1949; library; German classes; Pres. Ernest Blohm.

Asociación Nacional de Escritores Venezolanos (*Venezuelan Writers' Association*): Velaázquez a Miseria 22, Apdo. 429; f. 1935; Pres. José Ramón Medina; Gen. Sec. Angel Mancera Galetti; publ. *Cuadernos*.

Asociación Venezolana Amigos del Arte Colonial (*Friends of the Colonial Art Association*): Museo de Arte Colonial, Quinta "Anauca", Avda. Panteón y Calle Gamboa, San Bernardino; preservation and collection of period furniture, paintings, architectural forms, music, legends, etc. up to 1810; Pres. Dr. Mauro Paez Pumar; Sec. Dr. Carlos Duarte; publ. *Revista*.

Asociación Venezolana para el Avance de la Ciencia (ASOVAC) (*Venezuelan Association for the Advancement of Science*): Apdo. del Este 5843; f. 1950; 1,000 mems.; Gen. Sec. Dr. Gabriel Chuchani; publ. *Acta Científica Venezolana*.

British Council, The (*El Consejo Británico*): Apdo. 1246; co-operates with the Instituto Cultural Venezolano-Británico; offers scholarships in Great Britain, and maintains contact with Venezuelan educational authorities, etc.; Representative W. G. Woods.

Centro de Estudios del Desarrollo (CENDES) (*Centre for Development Studies*): Edificio Fundavac-Asociación, Avda. Neveri, Colinas de Bello Monte; f. 1960; centre of research, teaching and planning of problems of financial development and social changes; under the patronage of the Central University; Dir. Prof. Jorge Ahumada.

Centro Venezolano-Americano (*Venezuelan-American Centre*): Edificio EASO Chacaíto, P.O. Box 5715; f. 1941; English and Spanish classes; library of 7,800 vols.; Dir. Anthoni Chapell.

Colegio de Abogados del Distrito Federal (*Lawyers' Association*): Apdo. 347; f. 1788; 2,000 mems.; Pres. José Gabriel Sarmiento Núñez; Sec. Aquiles Oraá; publ. *Revista*.

Colegio de Farmacéuticos del Distrito Federal (*College of Pharmacists*): Apdo. 224; f. 1949; 660 mems.; Pres. Dr. Oscar Centeno; publ. *Revista* and *Boletín "Colfar"*.

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Consejo de Desarrollo Científico y Humanístico (*Centre of Scientific and Humanistic Development*): Universidad Central de Venezuela; invites foreign scientists, sends representatives to International Congresses, awards scholarships; Pres. Dr. FRANCISCO DE VENANZI.

Consejo Venezolano del Niño (*Council for Child Protection*): Av. San Martín; Apdo. 1209; f. 1942; Pres. EDMUNDO FERNÁNDEZ; Sec.-Gen. JOSÉ ANGEL RODRIGUEZ DELGADO.

Dirección de Cartografía Nacional del Ministerio de Obras Públicas (*Department of Cartography of the Ministry of Public Works*): Caño Amarillo, Estación Qta. Sta. Ines; f. 1935; Dir. Ing. ADOLFO C. ROMERO.

Dirección de Cultura y Bellas Artes del Ministerio de Educación (*Department of Fine Arts of the Ministry of Education*): Villa "Amelia", Plaza Morelos, Los Caobos; Dir. ARTURO CROCE.

Dirección de Urbanismo, Ministerio de Obras Públicas (*Department of Town Planning of the Ministry of Public Works*): Centro Simón Bolívar, Torre Sur; f. 1946; Dir. JOSÉ SANDOVAL.

Dirección General de Estadística y Censos Nacionales—Ministerio de Fomento (*National Statistical and Census Office of the Ministry of Development*): Centro Simón Bolívar, Torre Sur, 5° Piso; f. 1938; Dir. JUVENAL UTRERA VELASQUEZ; publs. include *Anuario Estadístico de Venezuela, Boletín Mensual de Estadística, Boletin de Comercio Exterior, Division Politico-Territorial de la Republica,* and results of national censuses.

Fundación La Salle de Ciencias Naturales (*La Salle Foundation for Natural Sciences*): Edificio Fundación La Salle, Avda. Cota Mil; Dir. and Founder Rev. Hno. GINÉS; Exec. Sec. JUAN GUEVARA BENZO; publs. *Anthropologica, Parasitología Venezolana, Por la Venezuela Indígena de Ayer y de Hoy.* Two centres depending on it:

Estación de Investigaciones Marinas de Margarita: Punta de Piedras, Nueva Esparta; Dir. Hno. GINÉS.

Instituto Caribe de Antropología y Scoiología: Dir. JOHANNES WILBERT.

Instituto Agrario Nacional (*Agrarian Institute*): Quinta Barrancas, La Quebradita; f. 1949; Pres. LUIS PIÑERÚA ORDAZ.

Instituto Botánico: Apdo. 2156, Ministerio de Agricultura y Cría, Caracas; f. 1920; Dir. Dr. TOBÍAS LASSER.

Instituto Cultural Venezolano-Británico (*British-Venezuelan Cultural Institute*): Apdo. 1246; f. 1941; Pres. EDUARDO ARROYO LAMEDA; Dir. W. G. WOODS; English classes given; lectures, films; library of 9,000 vols.; 150 mems.

Instituto de Análisis Económico y Social (*Institute of Financial and Social Analysis*): P.O. Box 6320; f. 1950; private institution for the study and diffusion of financial problems; Pres. NICOMEDES ZULUOAGA, Jr.; publ. *Orientación Económica.*

Instituto de Cirugia Experimental (*Institute of Experimental Surgery*): Attached to the Faculty of Medicine of the Universidad Central de Venezuela; Dir. Dr. JULIÁN MORALES ROCHA.

Instituto de Medicina Experimental (*Institute of Experimental Medicine*): P.O. Box 10,588, Sabana Grande, Ciudad Universitaria, Caracas; f. 1940; 50 mems.; library of 12,403 vols.; Hon. Dir. Dr. AUGUSTO PI SUNER; Dir. Dr. HUMBERTO GARCÍA AROCHA; Heads of Departments: Biochemistry, Dr. CÉSAR GENÁTIOS; Pharmacology Dr. MARCEL GRANIER-DOYEUX; Physiology, Dr. HUMBERTO GARCÍA AROCHA; General Pathology, and Pathological Physiology, Dr. FRANCISCO DE VENANZI; Chief Librarian, ALECIA F. DE ACOSTA; Administrator JOSE GUERRERO VAZ; Secretary LOLA ROVERO C.

Instituto de Medicina Tropical (*Institute of Tropical Medicine*): P.O. Box 8250; f. 1947; Dir. Dr. FÉLIX PIFANO; publs. *Revista, Informes Anuales.*

Instituto del Folklore (*Folklore Institute*): Avda. Mohedano 72, La Castellana; f. 1946; a research institute with a museum of folklore art; Dir. LUIS FELIPE RAMÓN Y RIVERA; Dir. of Museum MIGUEL CARDONA.

Instituto Experimental de Agricultura (*Agricultural Experimental Institute*): f. 1938; Dir. Dr. RAMÓN PINTO SALVATIERRA; publs. *Boletín, Informes Anuales,* circulars.

Istituto Italiano di Cultura: Av. Los Jabillos, 19, La Florida; Dir. Prof. ETTORE ROGNONI.

Instituto Nacional de Higiene (*Institute of Hygiene*): Apdo. del Este 4412; f. 1939; houses the library of the Ministry of Health with 4,750 vols.; Dir. Dr. A. L. BRICEÑO ROSSI; publs. *Revista Venezolana de Sanidad y Asistencia Social, Ser, Salud Pública, Carta Mensual del Ministro.*

Instituto Nacional de Nutrición (*Institute of Nutrition*): P.O. Box 2049; f. 1949; library of 3,000 vols.; Dir. Dr. EDUARDO PAEZ PUMAR; publ. *Archivos Venezolanos de Nutrición.*

Instituto de Oncología "Luis Razetti" (*Cancer Institute*): a dependency of the Ministry of Health; San Luis a Forestal, San José, Cotiza; P.O. Box 5165; f. 1936; Dir. Dr. RAMIRO SIERRAALTA.

Instituto Venezolano de Investigaciones Científicas (IVIC) (*Scientific Research Institute*): P.O. Box 1827; f. 1958; library of 17,000 vols., 1,000 periodicals; Dir. Dr. MARCEL ROCHE.

Instituto Venezolano de Petrquímica (*Venezuelan Institute of Petro-chemistry*): Edificio Norte, Piso 18, Centro Simón Bolivar; f. 1956; official institute in charge of the Government petro-chemical industry; Sec. ALFREDO CABRERA ALEMÁN.

Instituto Venezolano-Francés (*French-Venezuelan Institute*): Avda. Buenos Aires, Los Caoboa; French classes, library of 5,000 vols., etc.; Dir. FRANÇOIS GRÉGOIRE.

Instituto Venezolano-Italiano de Cultura (*Italian-Venezuelan Cultural Institute*): Avda. Anauco, Colinas de Bello Monte; P.O. Box 3995; f. 1954; Italian classes, library of 7,000 vols.; Dir. GABRIELLA QUAGGIOTTO (acting).

Ministerio de Minas e Hidrocarburos, Dirección de Geologia (*Ministry of Mines, Geological Section*): Centro Simón Bolívar, Torre Norte, Piso 19; f. 1961; library of 2,000 vols; Dir. ALBERTO VÍVAS R.; Heads of Divisions: Studies, ALIRIO BELLIZZIA; Economic Geology, CARLOS L. CARMONA; Heads of Departments: Laboratory, CECILIA MARTIN B.; Documentation and Cartography ANGEL R. BOSCAN R.; publs. *Boletín de Geología, Boletín Mensual de Actividades Petroleras, Revista de Minas y Hidrocarburos, Anuario Petrolero y Minero de Venezuela, Petróleos Crudos de Venezuela y Otro Países, Léxico Estratigráfico de Venezuela* (in English and Spanish), *Geología de las Cuencas Sedimentarias de Venezuela, Memorias del III Congreso Geológico de Venezuela.*

Ministerio de Minas e Hidrocarburos, Dirección de Minas (*Department of Mining of the Ministry of Mines*): Centro Simón Bolívar, Torre Norte, piso 20; f. 1936; Dir. FÉLIX GALAVÍS S.; Heads of Departments: Dept. of Grants and Exonerations AGUSTÍN SILVA DÍAZ; Dept. of Mining Cartography PAÚL J. ROMERO; Technical and Fiscal Office of Mines Dr. LUIS M. BAEZ; publ. *Carta Semanal.*

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Observatorio Astronómico, Seismológico y Geomagnético Cagigal (*Cagigal Astronomical, Seismological and Magnetic Observatory*): Colina del Calvario; f. 1890; Dir. Capt. Carlos Porras Rodrigo; publ. *Informes annuales.*

Sociedad Amigos del Museo de Bellas Artes (*Society of the Friends of the Museum of Fine Arts*): Museo de Bellas Artes, Parque los Caobos; Pres. Hans Neumann.

Sociedad Bolivariana de Venezuela (*Bolivarian Society*): Apartado 874, Caracas. This is a national institution created for the purpose of cultivating and developing a cult to the memory of Simón Bolívar "The Liberator". The Society divulges by all available media the knowledge of Bolívar's Life and Works, as well as his political, cultural and social ideas, so that the spirit inherent in them may become an orientational guide for all Venezuelans, and contribute to the realisation of acts for the national enlightenment and collective welfare. The Institution performs also an international role: that of cultivating active relations with other Bolivarian Societies in both America and Europe, in order to develop continental solidarity and to defend cultural values. The Society prints a magazine which is its official publication, and publishes and distributes as well, an average of 15,000 volumes of historical works per year; Pres. Cristobal L. Mendoza; Sec. J. A. Escalona-Escalona; Librarian Lino Iribarren Célis.

Sociedad de Ciencias Naturales La Salle (*La Salle Society of Natural Sciences*): Tienda Honda a Santa Bárbara No. 11; P.O. Box 681; 24 mems., 16 hon., 52 national and 25 foreign corres.; comprises four depts.: Anthropology, Botany, Zoology and Publications; the Museum contains more than 100,000 exhibits; other museums in Barquisimeto and San Cristóbal; Dir. Rev. Hno. Ginés; Vice-Pres. Ing. Gustavo E. Linares; Sec. César Alemán G.; publs. *Memoria* (3 times a year), *Novedades Cientificas* (two series: zoology and botany) (irregular).

Sociedad Venezolana de Arquitectos (*Architects' Association*): P.O. Box Apto. del Este 5262; f. 1945; 340 mems.; Pres. Julian Ferris, Jr.; Gen. Sec. Julio Coll Rojas.

Sociedad Venezolana de Ciencias Naturales (*Venezuelan Society of Natural Sciences*): Avda. José Antonio Páez, El Paraíso, Apdo. 1521; f. 1931; 500 mems.; library of some 1,200 vols. and 4,000 periodicals; the Society organises annual exhibitions of orchids, fish, ornamental plants, maps, native handicraft; lectures and films on nature conservation; since 1952 a speleological department has been added which is actively studying and exploring all the caves in the country, listing so far over 450; Pres. Ramón Aveledo Hostos; Gen. Sec. Alberto Armitano; publ. *Boletín de la Sociedad Venezolana de Ciencias Naturales* (quarterly).

Sociedad Venezolana de Química (*Chemists' Association*): Edificio Industrias, Local 2-E, 2° piso, Puente República, Los Caobos; 100 mems.; Pres. Federico Milá de la Roca; Gen. Sec. Edgar Corothie; publ. *Revista de la Sociedad Venezolana de Química.*

Medical Societies

Colegio de Médicos del Distrito Federal (*Doctors' Association*): Plaza de Bellas Artes, Avenida Bellas Artes, Los Chaguramos, Caracas; f. 1941; 2,300 mems.; Pres. Dr. César Acosta; Sec. Dr. Coromoto Landaeta; publs. *Acta Médica Venezolana* and *Boletín Informativo del Colegio de Médicos* (monthly).

Sociedad Venezolana de Angiología (*Society of Angiology*): Colegio de Médicos del D.F.; Pres. Dr. Julián Morales Rocha.

Sociedad Venezolana de Alergología (*Society of Allergy*): P.O. Box 4682; Pres. Dr. Carlos Benaím Pinto.

Sociedad Venezolana de Anestesiología (*Society of Anaethetists*): Colegio de Médicos (3er piso); Pres. Dr. Jesús Molinos.

Sociedad Venezolana de Cardiología (*Society of Cardiology*): Colegio de Médicos del D.F.; Pres. Dr. Juan Puigbó.

Sociedad Venezolana de Cirugía (*Society of Surgeons*): Colegio de Médicos del D.F. (2° piso); Pres. Dr. Hernán Quintero Uzcátegui.

Sociedad Venezolana de Cirugía Plástica y Reconstrucción (*Society of Plastic Surgeons*): Edif. Bucaral, Av. La Salle, Los Caobos; Pres. Dr. A. Rodríguez de Lima.

Sociedad Venezolana de Cirugía Ortopédica y Traumatología (*Society of Orthopaedic and Traumatological Surgeons*): Colegio de Médicos del D.F.; Pres. Jorge Figarella.

Sociedad Venezolana de Dermatología (*Society of Dermatologists*): Colegio de Médicos del D.F. (2° piso); Pres. Dr. Rafael Medina.

Sociedad Venezolana de Endocrinología (*Society of Endocrinologists*): Instituto Policlínico Miguel Ruiz; Pres. Dr. L. M. Manzanilla.

Sociedad Venezolana de Gastroenterología (*Society of Gastroenterologists*): Centro Médico de Caracas, San Bernardino; Pres. Dr. Joel Valencia Parparcés.

Sociedad Venezolana de Hematología (*Society of Haematologists*): Hospital Vargas, San José; Pres. Dr. Tulio Villalobos Capriles.

Sociedad Venezolana de Historia de la Medicina (*History of Medicine Society*): Clínica Luis Razetti, Los Caobos; Pres. Dr. Franz Conde Jahn.

Sociedad Venezolana de Geriatría y Gerontología (*Society of Geriatrists*): Clínica Pinto Pilo, Chacao; Pres. Dr. Humberto Soriano.

Sociedad Venezolana de Medicina Interna (*Society of Internal Medicine*): Hospital Universitaria, Cuidad Universitaria; Pres. Dr. Adolfo Starosta.

Sociedad Venezolana de Medicina del Trabajo y Deportes (*Venezuelan Society of Medicine—Works and Athletics*): Clínica Luis Razetti, Los Caobos; Pres. Dr. Alejandro Rhode.

Sociedad Venezolana de Obstetricia y Ginecología (*Society of Obstetricians and Gynaecologists*): Maternidad Concepción Palacios, Av. San Martín; Pres. A. Domínguez Gallegos.

Sociedad Venezolana de Oftalmología (*Society of Ophthalmologists*): Instituto Santa Lucía, Pichincha a Camilo Torres; Pres. Dr. A. Corredor.

Sociedad Venezolana de Oncología (*Society of Oncologists*): Centro Médico de Caracas, San Bernardino; Pres. Dr. Víctor Brito.

Sociedad Venezolana de Otorrinolaringología (*Society of Laringologists*): Colegio de Médicos del D.F. 3er piso; Pres. Dr. Oscar Bustamante Miranda.

Sociedad Venezolana de Psiquiatría y Neurología (*Society of Psychiatrists and Neurologists*): P.O. Box 3380; Pres. Dr. Abel Sánchez Pelaez.

Sociedad Venezolana de Puericultura y Pediatría (*Society of Pediatrists*): Colegio de Médicos del D.F. 2° piso; Pres. Dr. Eduardo Urdaneta.

Sociedad Venezolana de Radiología (*Society of Radiologists*): Policlínica Méndez Gimón, Av. Andrés Bello; Pres. Dr. Sebastián Núñez Mier y Terán.

Sociedad Venezolana de Salud Pública (*Society of Public Health*): P.O. Box 4675; Pres. Dr. Ceferino Alegría.

Sociedad Venezolana de Tisiología y Neumonología (*Society of Diseases of the Lungs*): Sanatorio Simón Bolívar, Carretera de Antímano; Pres. Dr. César Rodríguez.

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Sociedad Venezolana de Urología (*Society of Urologists*): Colegio de Médicos del D.F. 3er piso; Pres. Dr. Luis Rodríguez Santana.

Engineering Societies

Colegio de Ingenieros de Venezuela (*Engineers' Association*): P.O. Box 2006, Bosque Los Caobos; f. 1861; 3,400 mems.; Pres. Andrés Sucre Eduardo; Sec. José Amín; publs. *Revista* (quarterly) and *Boletín* (monthly).

Asociación de Agrimensores de Venezuela (*Surveyors' Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Francisco J. Betancourt.

Asociación Venezolana de Ingenieros Eléctricos y Mecánicos (*Electrical and Mechanical Engineers Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Enrique Lilue.

Asociación Venezolana de Ingeniería Sanitaria (*Sanitary Engineering Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Luis Wannoni.

Sociedad Venezolana de Ingenieros Agrónomos (*Society of Agricultural Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Jesús Silva Calvo.

Sociedad Venezolana de Ingenieros Civiles (*Society of Civil Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Manuel Fernando Mejías.

Sociedad Venezolana de Ingenieros Forestales (*Society of Forestry Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Marcos Hurtado.

Sociedad Venezolana de Geólogos (*Society of Geologists*): c/o Colegio de Ingenieros de Venezuela; Pres. Dionisio Zozaya F.

Sociedad Venezolana de Ingeniería Hidráulica (*Society of Hydraulic Engineering*): c/o Colegio de Ingenieros de Venezuela; Pres. Adolfo Yanes.

Sociedad Venezolana de Ingenieros de Minas (*Society of Mining Engineers*): Ciudad Bolívar, Estado Bolívar; Pres. Adolfo Yanes.

Sociedad Venezolana de Ingeniería del Petróleo (*Society of Oil Engineering*): c/o Colegio de Ingenieros de Venezuela; Pres. Luis Plaz Bruzual.

Sociedad Venezolana de Ingeniería Vial (*Society of Highway Engineering*): c/o Colegio de Ingenieros de Venezuela; Pres. Antonio J. Vicentelli.

Barcelona

Colegio de Médicos del Estado Anzoátegui (*College Physicians*): publ. *Revista.*

Barquisimeto

Centro Histórico Larense (*Lara Historical Centre*): Apdo 73; f. 1941, the first of such Centres founded; 12 mems publ. *Boletín*; library of *c.* 1,000 vols., donated by the historian, Dr. José Gil Fortoul.

Calabozo

Estación Biológica de los Llanos (*Biological Station*): Calabozo, Estado Guárico; under the jurisdiction of the Society for Natural Sciences of Venezuela; Dir. Dr. Augusto Bonazzi; the station is open to all who wish to study there and facilities including lodgings are provided.

Ciudad Bolívar

Estación Meteorológica (*Meteorological Station*): f. 1910; Dir. Ernesto Sifontes; formerly a Government Office, since 1940 a private research station; also undertakes hydrographical surveys of the River Orinoco and its tributaries, numerous publications on meteorology and climatology of Venezuela.

Sociedad Médica (*Medical Society*): publ. *Gaceta Médica.*

Cumana

Centro Histórico Sucrense: f. 1945; 12 mems., 24 national and 14 foreign corresp.; Dir. R.P. Fray Cayetano de Carrocera; Sec.-Gen. Br. Alberto Sanabria; publ. *Boletín.*

Maracaibo

Centro Histórico del Zulia: f. 1940; 12 mems.; Pres. Abrahán Belloso; Sec.-Gen. Aniceto Ramírez y Astier; Librarian José A. Butrón Olivares; publ. *Boletín.*

Colegio de Farmacéuticos del Estado Zulia: publ. *Revista.*

Sociedad Médico-Quirúrgica del Zulia (*Medical and Surgical Society*): Apdo. 170; f. 1917; 51 mems.; Pres. Dr. Jorge Hómez Chacín; Sec. Dr. Franz Wenger; publ. *Revista.*

Maracay

Centro de Investigaciones Agronómicas (*Agricultural Research Centre*): Estado Aragua; f. 1938; Dir. Dr. Hernán Oropeza; publs. *Boletín, Informés.*

Instituto de Investigaciones Veterinarias (*Institute of Veterinary Research*): Apdo. 70, Estado Aragua; f. 1940; Dir. Dr. Med. Vet. Carlos Palacios; publs. *Boletín,* related works.

Mérida

Colegio de Médicos del Estado Mérida: publ. *Revista.*

San Cristóbal

Centro de Historia del Tachira: f. 1942; Pres. Pbro. J. Edmundo Vivas; Sec.-Gen. Marco Figueroa; publ. *Boletín.*

Valencia

Instituto Científico de Carabobo (*Scientific Institute*): Valencia (old Federal capital); f. 1943; 15 mems., 30 corresp.; comprises 8 Perm. Comms.; Dir. Francisco Ignacio Romero; Sec.-Gen. Luis Alfredo Colomine; publ. *Boletín.*

LIBRARIES AND ARCHIVES

Caracas

Archivo de Música Colonial Venezolano (*Archives of Colonial Music*): Escuela Superior de Música, Veroes a Santa Cápilla; Librarian García Lazo.

Archivo General de la Nación (*National Archives*): Santa Capilla a Carmelitas; f. 1910; Sections: La Colonia (1498-1810), La Revolución (1810-21), La Gran Colombia (1821-30), La República (1830 to present day); comprises Seminario de Investigación Archivística and courses on Palæography; Dir. Dr. Mario Briceño Perozo; publ. *Boletín.*

Biblioteca Nacional (*National Library*): f. 1833; 400,000 vols.; Dir. Felipe Massiani; Sub-Dir. Carlos Larrazábal Blanco; Sec. Luis Gramcko y García; publs. include *Anuario Bibliográfico Venezolano, Guías de Lecturas, Boletines Informativos, Catdlogo General, Indice de los Cien Primeros Números de la Revista Nacional de Cultura.* A new section, the Hemeroteca Nacional (newspaper and periodicals library) was opened in 1954.

Three smaller libraries are attached:

Biblioteca José María Vargas: Macuto; Dir. José Centeno.

Biblioteca del 19 de Abril: Catia, Caracas; Dir. José María Sánchez.

Biblioteca del 5 de Julio: Coche, El Valle, Caracas; Dir. Pedro María Rengifo.

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Biblioteca de la Academia Venezolana de la Lengua (*Library of the Academy of Venezuela*): f. 1883; 12,000 vols.; Librarian RAMÓN DÍAZ SÁNCHEZ.

Biblioteca de la Academia Nacional de la Historia (*Library of the National Academy of History*): f. 1888; 35,000 vols., plus pamphlets; Librarian MARIO BRICEÑO PEROZO.

Biblioteca de la Academia Nacional de Medicina (*Library of the National Academy of Medicine*): f. 1904; 8,000 vols.; Librarian RICARDO ARCHILA.

Biblioteca Central de la Universidad Central de Venezuela (*Central University Library*): Ciudad Universitaria, Caracas; 36,000 vols.; Librarian RAFAEL DI PRISCO.

Biblioteca del Colegio de Médicos del D.F. (*Library of the Doctors' Association*): 4,770 vols.; Librarian Dra. ZAIRA PAEZ DE ANDRADE.

Biblioteca del Colegio de Ingenieros de Venezuela (*Library of the Engineers' Association*): 4,000 vols.; Librarian ADA PAEZ.

Biblioteca del Congreso (*Congress Library*): Plaza del Capitolio, Caracas; f. 1915; 9,000 vols.; Librarian Sr. BORIS RONDÓN.

Biblioteca de la Corte Suprema de Justicia (*Law Courts Library*): Esquina de la Bolsa, Caracas; 4,000 vols.; Librarian Sra. GOSSI LARES DE HILZINGER.

Biblioteca de los Tribunales del D.F. "Fundación Rojas Astudillo" (*Law Library*): f. 1950; organises a specialised juridical library and performs bibliographical services and studies; Pres. ANTONIO PLANCHART HERNÁNDEZ; Sec. JOAQUÍN SÁNCHEZ-COVISA; publ. *Boletín*.

Government Libraries:

Biblioteca del Ministerio de Agricultura y Cría (*Library of the Ministry of Agriculture*): Centro Simón Bolívar, Torre Norte, Piso 15.

Biblioteca del Ministerio de Hacienda (*Library of the Ministry of Finance*): Centro Simón Bolívar, Edificio Norte, 4° piso, Oficina 421; 6,000 vols.

Biblioteca del Ministerio de Fomento (*Library of the Ministry of Development*): Centro Simón Bolívar, Edificio Sur, 5° piso, Oficina 535; 5,000 vols.; Librarian ROSARIO BARNOLA.

Biblioteca del Ministerio de Minas e Hidrocarburos (*Library of the Ministry of Mines*): Centro Simón Bolívar, Torre Norte, piso 24; 2,115 vols.; Librarian JOSEFINA FORJONEL.

Biblioteca del Ministerio de Obras Públicas (*Library of the Ministry of Public Works*): Central Library: Centro Simón Bolívar, Torre Sur, piso 21; Librarian AURA CLAVIER BRITO.

Biblioteca de la Dirección Urbanismo (*Library of the Department of Town Planning*): Centro Simón Bolívar, Torre Sur, Piso 28; 2,000 vols.; Librarian Sr. PADRÓN.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Relations*): Casa Amarilla, Plaza Simón Bolívar; 10,000 vols.; specialises in international law; Librarian LEONOR PULGAR.

Biblioteca del Ministerio de Relaciones Interiores (*Library of the Ministry of the Interior*): Esquina de Carmelitas, 2° piso; 3,585 vols.; Librarian Dr. RUIZ LANDER.

Biblioteca del Ministerio de Sanidad y Asistencia Social (*Library of the Ministry of Health*): Instituto de Higiene, Ciudad Universitaria, Caracas, P.O. Box 5153 de Correos del Este; 4,630 vols.; Librarian ALICIA DE FERNÁNDEZ.

Biblioteca del Ministerio del Trabajo (*Library of the Ministry of Labour*): Centro Simón Bolívar, Edificio Sur, 5° piso; 3,000 vols.; Librarian GLADYS CASTILLO.

Biblioteca Popular Padre Sojo (*Workmen's Library of the Ministry of Labour*); Villa Arvelo, Avenida San Marín; 2,000 vols.; Librarian VÍCTOR ALBERTO GRILLET.

Mérida

Biblioteca Universitaria (*Los Andes University Library*): Apdo. 106; f. 1875; 50,000 vols.; comprises General, Classical, Philosophical and Modern sections, with others for each Faculty; large collections of old books; Dir. ESTHER LOURDES GARCÍA-PINEDA; publ. *Boletín Bibliográfico*.

Zaraza

Biblioteca General de Zaraza (*Public Library*): f. 1910; 13,500 vols.; children's section; Dir. F. GUSTAVO CHACIN.

MUSEUMS

Caracas

Casa de Simón Bolívar (*Bolívar's House*): San Jacinto y Traposos; purchased by public subscription; murals by Tito Salas depicting events of the Independence Movement; contains the correspondence and official documents written by Bolívar during the Wars of Independence; Curator Dr. VICENTE LECUNA.

Colección Ornitológica Phelps (*Collection of Venezuelan Birds*): Avda. Paez, Apdo. 2009; f. 1938; Owners and Founders WILLIAM H. PHELPS, WILLIAM H. PHELPS, Jr.; Curator R. AVELEDO HOSTOS; occasional papers publ. in scientific journals.

Museo de Arte Colonial (*Museum of Colonial Art*): Quinta Anauco, Avda. Panteón y Calle Gamboa, San Bernardino; f. 1942; Dir. MAURO PAEZ PUMAR; under the supervision of the Asociación Venezolana de Amigos del Arte Colonial.

Museo de Bellas Artes de Caracas (*Museum of Fine Arts*): Parque Sucre, Los Caobos; f. 1938, enlarged 1957; paintings and sculpture by national and foreign artists; Dir. MIGUEL G. ARROYO C.

Museo Bolivariano (*Bolivar Museum*): San Jacinto a Trapazos; inaugurated in present building 1960; contains 1,546 exhibits; mementos, portraits, personal relics and historical paintings of the great Liberator and his fellow-workers in the Independence Movement; sword of honour, gold-mounted, with 1,363 brilliants, Order of El Sol del Peru, both presented by Peru; medallion of George Washington with lock of his hair given by the family; 70,000 visitors annually; Dir. Dr. LINO IRIBARREN-CELIS; Sec. FLOR DE GENTILE; publ. *Gaceta del Museo Bolivariano*.

Museo de Ciencias Naturales (*Natural Sciences Museum*): Apdo. 3893; formerly Museo de Arqueología e Historia Natural; inaugurated under present name 1940, with collections belonging to the latter Museum: *c.* 29,500 archæological, ethnological, geological, zoological and palæontological exhibits, with special reference to Venezuela; gold "guaca" (funeral treasure) of the Tairona culture, artificially deformed prehistoric crania, etc.; publs. *Boletín, Folia Antropológica*.

Panteón Nacional (*National Pantheon*): housed in the old Iglesia de la Santísima Trinidad, the original building dating from 1744 but destroyed by the earthquake of 1812; rebuilt 1821, converted to present use 1874; contains the ashes of the Liberator, Simón Bolívar, and renowned leaders and notable citizens of the Independence Movement, as well as others of later fame.

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Ciudad Bolívar

Museo "Talavera": Calle Bolívar 103; f. 1940; pre-Columbian and Colonial period exhibits, religious art, natural science, numismatics; Dir. Dr. J. Gabriel Machado; publ. *Museo Talavera.*

Ciudad de El Tocuyo

Museo Colonial (*Historical Museum*): f. 1945.

Maracaibo

Museo de Ciencias Naturales (*Museum of Natural Science*).

Museo "Urdaneta" Histórico Militar (*Museum of Military History*): Calle El Museo; f. 1936; Dir. Aniceto Ramírez y Astier.

Trujillo

Museo "Cristóbal Mendoza" (*Historical Museum*).

Valencia

Museo de Historia Natural (*Museum of Natural History*).

COMMISSION

Caracas

Junta Nacional Protectora y Conservadora del Patrimonio Histórico y Artistico de la Nación (*Commission for the Protection and Preservation of the Historical and Artistic Patrimony of the Nation*): there is a subsidiary office in each State; authorises exploration and excavation of sites; mems. are nominated by the Government for five-year terms, and may be re-elected.

UNIVERSITIES

UNIVERSIDAD DE CARABOBO

ADPO. POSTAL 129, VALENCIA

Telephone: 3414, 5387-5033

Telegraphic address: Universidad de Carabobo, Valencia, Venezuela.

Founded 1852

Rector: Dr. Humberto Giugni M.
Vice-Rector: Dr. Manuel García G.
Registrar: Lic. Jorge Castro Cabrera.
Secretary: Dr. Emiro Puchi Albornoz.
Librarian: Antonieta Pinto.

Number of teachers: 257.
Number of students: 2,000.
Publications: *Boletín Informativo de la Universidad de Carabobo, Revista de la Facultad de Derecho.*

Deans:

Faculty of Law: José Luis Bonnemaison.
Faculty of Medicine: Dr. Juan Vicente Seijas.
Faculty of Engineering: Ing. Lazaro Cariello Celli.
Faculty of Economic and Social Sciences: Lic. Rafael Irigoyen Crespo.

Professors:

Alvarado Henriquez, Joaquin (Roman Law).
Ameliach, David (Physics).
Azaff, Augusto (History of Economy, Economic Geography).
Bonnemaison, José Luis (Private Law).
Bonnevaux, Stela de (Private Law).
Braun, Peter (Semeiology).
Buysse, Grancisco (Physics).
Calcano, Danilo (Semeiology).
Carvallo, Elisa de (Pharmacology).
Cid Baltanas, Luis (Physics).
Cisa Proserpio, Augustin (Electrical Engineering).
Curiel Ocho, Mercedes (Physiopathology and Semeiology).
De la Perna, Rosaria (Descriptive Geometry).
Di Natale, Remo (Agricultural Research).
Divo, Alejandro (Microbiology).
Eizaguirre, Fernando (Histology).
Fachin, Jose Luis (Obstetrics).
Garcia, Pedro Luis (Mathematics).
Giugni, Luis (Microbiology).
Gonzalez Alevedo, Miguel (Surgery).
Granela, José Antonio (Semeiology).
Guimerá, Juan Sancho (Mathematics).
Henríquez Ledezma, Carlos Eduardo (Parasitology).
Hernández M., José Angel (Physiology).
Iturriza Arocha, Luis E. (Microbiology).
Laya, Rodolfo (Electrical Engineering).
Levay, Carlos (Anatomy).
Lopez, Jose Enrique (Clinical Medicine).
Luci Solar, Sergio (Physics).
McLaren, Peter (Design).
Manzanilla, Francisco (Analytical Geometry).
Matute, Arnaldo (Scientific Research).
Mazaferro, Pablo (Physics).
Miret, Omar (Physiology).
Mogollon, Mario (Semeiology).
Morse, Oscar H. (Drawing).
Muniz Cano, Reinaldo (Clinical Medicine).
Ortega Cossin, Aquilino (Economic Theory, Statistical Method).
Pardo Dendal, Jorge (Metallurgy).
Parthes, Valentín (Histology).
Patetta Queirolo, Miguel A. (Biophysics).
Pérez Rendón, Antonio (Mathematics).
Petride Badaque, Jorge (General Chemistry and Metallurgy).
Polito, Felix (Physics).
Pustelnik Spira, Ladislao (General Experimental Chemistry).
Quijada, Gladys (Chemistry).
Riera, Miguel A. (Physics).
Rueda Villasmil, Nicolas (Anatomy).
Ruiz Paolini, Leopoldo (Business Organisation and Administration, Personnel Management, Sales).
Russo, Salvatore (Electrical Engineering).
Sancho Guimera, Juan (Mathematics).
Segal, Jaime (Physiopathology).
Seglinski, Georges (Metallurgy).
Silva, Pedro Vicente (Chemistry).
Terlizzi, Alfredo (Pathological Anatomy).
Torrealba, Jose Witrebundo (Parasitology).
Tovar, Eduardo (Physiopathology).
Urbina, Rita (Pediatrics).
Valle Sarró, German (Physics).
Vera Escobar, Jorge (Physiopathology).
Wilson Gantes, Tomás (Timber Laboratory)
Yovanovitch, Pedrag (Design).

UNIVERSIDAD CENTRAL DE VENEZUELA
(Central University of Venezuela)

CARACAS

Telephone: 61 98 11

Founded 1725.

Rector: Francisco de Venanzi.
Vice-Rector: Dr. Jesús M. Bianco.
Secretary: Dr. Ismael Puerta Flores.

Number of teachers: 1,387.
Number of students: 17,000.

Deans:

Faculty of Agriculture: Dr. Manuel Vicente Benezra.
Faculty of Architecture and Town Planning: Dr. Víctor Fossi.

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Faculty of Economics: Dr. Luis Cabana.
Faculty of Engineering: Dr. Henrique Castillo Pinto.
Faculty of Humanities and Education: Dr. Miguel Acosta Saignes.
Faculty of Law: Dr. José Guillermo Andueza.
Faculty of Medicine: Dr. Rafael Teodoro Hernández.
Faculty of Odontology: Dr. Randolfo Villalobos M.
Faculty of Pharmacy: Dr. Rafael Angel Martínez.
Faculty of Science: Dr. Alonso Gamero Reyes.
Faculty of Veterinary Science: Dr. Félix Irazábal Osío.

DIRECTORS:

Faculty of Agriculture (at Maracay, Estado Aragua):
Institute of Agriculture: Dr. Elio Campos Giral.
Institute of Agricultural Botany: Dr. Macrobio Delgado.
Institute of Agricultural Finance and Extension: Dr. Pompeyo Ríos.
Institute of Soil Science (Edaphology): Dr. Luis María de Eleizal.
Institute of Genetics: Dr. Salomón Orobitch.
Institute of Agricultural Engineering: Dr. Hasso Olbrich.
Institute of Animal Production: Dr. Ludovico Klein.
Institute of Chemistry and Technology: Dr. Alejandro Istok.
Institute of Agricultural Zoology: Dr. Felipe Martin.

Faculty of Architecture and Town Planning:
Director: Dr. Oscar Carpio.
Director of the Research Department: Dr. José Puig.

Faculty of Economics:
School of Economics: Dr. Juan Bautista Salazar.
School of Administration and Accountancy: Prof. Humberto Fagundez.
School of International Studies: Dr. Eduardo Arroyo Lameda.
School of Anthropology and Sociology: Dr. Antonio Requena.
School of Social Service: Dra. Zaira de Andrade.
School of Statistics and Actuarial Sciences: Dr. Ernesto Rivas González.
Institute of Economic Research: Prof. Sarah Orestes Rosas.

Faculty of Engineering:
School of Chemical and Oil Engineering: Dr. José Bello.
School of Civil Engineering: Dr. José Abdala.
School of Electrical Engineering: Dr. Moisés Szponka.
School of Geology, Mining and Metallurgy: Dr. Oswaldo de Sola.
School of Mechanical Engineering: Dr. Jaime Wahnon.
Institute of Structural Design and Materials: Dr. Fernando Delfino.

Faculty of Humanities and Education:
School of Arts: Prof. Pedro Beroes.
School of Education: Prof. J. S. Reyes Baena.
School of Geography: Prof. Mercedes Fermín.
School of History: Prof. J. M. Siso Martínez.
School of Journalism: Prof. Héctor Mujica.
School of Librarianship: Prof. Santos Rodulfo Cartés.
School of Philosophy: Prof. Federico Ríu Farré.
School of Psychology: Dra. Josefina Fierro de Ascanio.

Faculty of Law:
Director of Faculty: Dr. Alfredo Valero García.
Institute of Public Law: Prof. Antonio Moles Caubet.
Institute of Private Law: Prof. Roberto Goldsmidt.
Institute of Criminology: Prof. José Agustín Méndez Urosa.
Institute of Political Studies: Prof. Manuel García Pelayo.

Faculty of Medicine:
School of Medicine: Dr. Jesús Alberto Reggeti.
School of Bioanalysis: Dr. José Lucio González Rivero.
School of Public Health: Dr. Alfredo Arreaza Guzmán.
General Co-ordinator of the Faculty: Dr. Miguel Angel Pérez Rodríguez.
Institute of Anatomy: Dr. Luis Plaza Izquierdo.
Institute of Anatomopathology: Dr. J. A. O'Daly.
Institute of Experimental Medicine: Dr. Humberto García Arocha.
Institute of Experimental Surgery: Dr. Julián Morales Rocha.
Institute of Tropical Medicine: Dr. Félix Pifano.

Faculty of Odontology:
Director: Dr. Hugo Paulini Picci.
Director of Scientific Research: Prof. J. H. Lepp.

Faculty of Pharmacy:
Director: Dr. Oswaldo Enrique Isava.
Director of Research Laboratory: Dr. Carlos Kosma.

Faculty of Science:

School of Biology:
Director: Prof. Ernesto Foldatf.
Head of the Department of Botany: Dr. Tobías Lasser.
Head of the Department of Biochemistry and Biophysics: Dr. Werner Jaffe.
Head of the Department of Conservation of Natural Resources: Dr. Leandro Aristeguieta.
Head of the Department of Hydrobiology: Dr. Franz Weibezahn.
Head of the Department of Microbiology and Parasitology: Dr. José Vicente Scorza.
Head of the Department of Zoology: Dr. Janis Roze.
Head of the Department of Food Technology: Dr. Nikita Czhrinciw.

School of Physics and Mathematics:
Director: Dr. Onofre Rojo.
Head of the Department of Physics: Dr. Horacio Santamaría.
Head of the Department of Mathematics: Dr. Raimundo Chela.
Head of the Department of Numerical Calculation: Dr. Carlos Domingo.

School of Chemistry:
Director: Prof. Augusto Bonazzi.
Head of the Department of Inorganic Chemistry: Dr. Rigoberto Díaz Cadavieco.
Head of the Department of Organic Chemistry: Dr. Ilse de Beopegui.
Head of the Department of Analytical Chemistry: Dr. Luis Benito Tugues.
Head of the Department of Physical Chemistry: Dr. José Adán Hernández.
Head of the Department of General and Applied Chemistry: Prof. Augusto Bonazzi.

Faculty of Veterinary Science:
Director: Dr. Víctor José Pérez.
Institute of Experimental Medicine and Surgery: Dr. César Arias Starck.
Institute of Animal Reproduction and Artificial Insemination: Dr. Abraham Hernández Prados.

Centre for Development Studies:
Director: Prof. Jorge Ahumada.

Council for Scientific and Humanistic Development:
President: Dr. Francisco de Venanzi.
Secretary to the Scientific Commission: Dr. Werner Jaffe.
Secretary to the Humanistic Commission: Prof. Sarah Orestes Rosas.

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UNIVERSIDAD CATÓLICA ANDRÉS BELLO

ESQUINA DE JESUITAS 37, APARTADO 422,
CARACAS

Telephone: 81.77.31.

Rector: Dr. Carlos Reyna Rodríguez, S.J.
Vice-Rector: Dr. Andrés Aguilar Mawdsley.
Secretary-General: Dr. Félix Hugo Morales.
Librarian: Lic. Victorino Cantera Adrados, S.J.
Number of professors: 270.
Number of students: 3,000.

DEANS:

Faculty of Law: Dr. José Luis Aguilar Gorrondona.
Faculty of Economics: Dr. Félix Hugo Morales Morales.
Faculty of Pharmacy: Dr. José Antonio Lecuna Lander.
Faculty of Humanities and Education: Dr. José R. Ayala García.
Faculty of Engineering: Dr. Santiago Vera Izquierdo.

DIRECTORS:

Director of Law: Dr. Luis María Olaso Junyet, S.J.
Director of Economics: Dr. Manuel Pernaut Ardanaz, S.J.
Director of Business and Administrations: Dr. Manuel Pernaut Ardanaz, S.J.
Director of Letters: Dr. Fernando Arellano Arriaga, S.J.
Director of Psychology: Dr. Fernando Arellano Arriaga, S.J.
Director of Pharmacy: Dr. Francisco Olariaga Eceizabarrena, S.J.
Director of Humanities: Dr. Luis Arismendi.
Director of Education: Dr. Fernando Arellano Arriaga, S.J.
Director of Civil Engineering: Dr. Guido Arnal Arroyo.
Director of Sociology: Dr. Aristides Calvani Silva.
Director of Industrial Engineering: Dr. Santiago Vera Izquierdo.

PROFESSORS:

Faculty of Law:
Abouhamd Hobaica, Chilby (Roman Law).
Abreu Anselmi, Jose Antonio (Political Economy).
Aguilar Gorrondona, Eduardo (Sociology).
Aguilar Gorrondona, Jorge (Civil Law).
Aguilar Gorrondona, José Luis (Civil Law).
Aguilar Mawdsley, Andrés (Civil Law).
Alfonzo Guzman, Rafael (Labour Law).
Andueza, José G. (Constitutional Law).
Artiles, Sebatián (Roman Law).
Bredy Laforest, Raphael (Forensic Medicine).
Briceño Salas, Hugo (Political Economy).
Caldera Rodríguez, Rafael (Sociology, Labour Law).
Chiossone, Tulio (Penal Law).
Contreras Quintero, Florencio (Public Finance).
de Sola, Rene (Mercantile Law).
Faria Galan, Enrique (Procedural Penal Law).
Goldschmidt, Roberto (Mercantile Law).
Gonzalez Carrero, Alfredo (Forensic Medicine).
Gonzalez Miranda, Rufino (Mining Legislation).
Graterol Roque, Manuel (Roman Law).
Henriquez Mons., Luis E. (Canon Law).
Lauria Lesseur, Carmelo (Procedural Penal Law).
Lopez Herrera, Francisco (Civil Law).
Louis, A. (Military Law).
Marmol Curiel, Francisco Manuel (Public Law).
Marquez Añez, Leopoldo (Procedural Civil Law).
Mayorca, Juan Manuel (Criminology).
Merklin del Carpio, Guillermo (Political Economy).
Ochoa Gomez, Oscar (Civil Law, Philosophy of Law).
Olaso Junyet, Luis María (Introduction to Law, Philosophy of Law).
Parisca Mendoza, Carlos (Procedural Labour Law).
Parra Aranguren, Gonzalo (Private Law).
Perez Guerrero, Roberto (Penal Law).
Perez Luciani, Gonzalo (Administrative Law).
Perez Olivares, Enrique (Administrative Law).
Perret Gentil, Otto (Mercantile Law).
Pittier Sucre, Emilio (Research).
Planchart Manrique, Gustavo (Constitutional Law).
Polanco A., Tomas A. (Banking Law).
Remo di Natale, Enriquez (Agricultural Law).
Rengel Romberg, Arístides (Procedural Civil Law).
Rodríguez, Reynaldo (Labour Law).
Valero Garcia, Alfredo (Civil Law, Mercantile Law).
Vethencourt Ballestrini, Jose Luis (Forensic Psychiatry).
Zambrano, Jose Alberto (Civil Law).

Faculty of Economics:
Abreu Anselmi, Jose Antonio (Economic Theory).
Acosta Viera, Domingo (Accountancy).
Alamo Blanco, Roberto (Research).
Alarcon Fernandez, Armando (Business Organisations).
Alfonzo Guzman, Rafael (Labour Law).
Amores Fiol, Fernando (Labour Law).
Aponte Castillom Arístides (Financial Statements Analysis).
Barrios Rodriguez, José Domingo (Systems).
Beltran Bastardo, Luis (Income Tax).
Boggiano C., Guillermo (Private Law).
Briceno Salas, Hugo (Economic Theory).
Burgos Romero, Alfonso (Mathematics).
Calvani Silva, Arístides (Philosophy).
Castillo Trujillo, Haydee (Research).
Chapell, Anthony (Foreign Languages).
Coba Maduro, Antonio (History of Institutions).
Cruz, Manuel (Systems).
Diamante Osilia, Otto (Accountancy).
Dominguez Ortega, José (Public Law).
Escobar Calzadilla, Dionisio (Auditory).
Fagundez Bello, Humberto (Accountancy).
Farias Ordosgoiti, Juvenal (Accountancy).
Ganuza, Juan (Church Social Doctrine).
García-Ramos Plata, Ramon (Accountancy).
Grindley, John (Foreign Languages).
Hennin Warembourg, Roger (Methodology).
Heredia Morales, Luis (Economic Theory).
Herranz Moral, Julián (Markets: Administration).
Hill, George W. (Sociology).
Lagrange de Castillo, Elia (Anthropology).
Lasi, Juan (Research).
Lenfest, Donald E., (Foreign Languages).
Linares Esteves, Gustavo (Statistics).
Lozano Zuza, Candido (Psychology).
Martinez Martinez, Enrique (Economic Geography).
Maza Zabala, Domingo (Economical Dynamics).
Monsalve Casado, Ezequiel (Oil Economics).
Morales Morales, Félix Hugo (Public Law).
Mouton, Blanco Félix (Industiral Technology).
Ocando Oria, Luis R. (Economic History).
Ojer Abaurre, Francisco Javier (Accountancy).
Olcoz Urcelay, Ignacio Fernando (General Statistics: Economic Theory).
Pacheco Berra, Manuel (Special Economic Problems).
Perez Perazo, Gabriel (Economic Geography).
Pernaut Ardanaz, Manuel (Economics Theory: Economic Doctrines).
Porras, Pedro, Jose (Mathematics).
Rivas Vasquez, Domingo (Sociology).
Rolando, Eduardo (Business Organisations).
Salazar Q., Juan Bautista (Accountancy).
Sangroniz Landa, José Luis (Accountancy).
Segnini la Cruz, Pedro (Political and Agricultural Economics).
Sequera de Segnini, Isbelia (Research: Economics Geography of Venezuela).
Silva Luongo, Luis (Business Organisations: Fiscal Legislation).
Silva Rodriguez, Carlos Rafael (Public Finance).
Sobrados Martin, Francisco (Economics Theory: Political and Monetary Theory: International Business).
Soto Caldera, Herminio (Accountancy).
Tejero Garcia, José María (Financial Institutions: Accountancy: Business Organisations).
Tirado Martin, Gustavo (Economics Theory; General Statistics).
Torres, Federico (Sociology).
Urbaez Navarro, Luis Domingo (Statistics).
Urdaneta Ruedo, José de Jesús (Industrial Relations)
Valero Garcia, Alfredo (Mercantile Law).

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VENEGAS FILARDO, PASCUAL (Economics Geography of Venezuela: Economic History of Venezuela).
VILA COMAPOSADA, MARCO AURELIO (Economic Geography).
VILLALOBOS, HORACIO GUILLERMO (Private Law).
VIVAS PEREZ, RAFAEL A. (Economic Theory).
ZAERA, FRANCISCO (Mathematics).

Faculty of Pharmacy:
ANDRADE MELENDEZ, JOSÉ LUIS (Chemistry of Organic Medicine).
BREDY LAFOREST, RAPHAEL (Biochemistry, Physiology).
CAMPOS TORRES, LUIS (Galenic Pharmacy).
CEBALLO PADILLO, HUMBERTO (Bromatology).
CORDERO VALE, ALI (Pharmacognosy).
CORNEJO RODRÍGUEZ, GLADYS (Microbiology).
DE LIMA CAMACHO, HÉCTOR (Biochemistry).
GONZALEZ TERÁN, ALBERTO (Galenic Pharmacy).
GRANIER DOYEUX, MARCEL (Pharmacology).
GUTIERREZ ELIES, ROSARIO (Toxicology).
HORANDE DEFRAIN, MARCEL (Pharmacology).
LECUNA LANDER, JOSÉ ANTONIO (Forensic Pharmacy).
MANDRY GUIA, LUCIA (Bromatology).
MARSIGLIA GAUDIO, ALMA ELINA (Chemistry of Organic Medicine).
OLARIAGA ECEIZABARRENA, FRANCISCO (Microbiology).
PERDOMO PEREZ, AURAMARINA (Chemistry of Organic Medicine).
PEREZ MIJARES, OSCAR (Galenic Pharmacy).
RAMIREZ CASTILLO, GUILLERMO (Microbiology).
RANGEL RANGEL, LORENZO (Galenic Pharmacy).
RODRIGUEZ SANCHEZ, JOSÉ LUIS (Analytical Chemistry).
RUIZ, ANGEL VICENTE (Galenic Pharmacy).
RUIZ ALONSO, CARLOS (Chemistry of Organic Medicine).
SUAREZ PLANCHART, NICOLÁS SOLÓN (Chemistry of Organic Medicine).
STEPHANY ZILS, GERT EDUARD (Galenic Pharmacy).
VASQUEZ MOYA, ROSA (Chemistry of Organic Medicine).

Faculty of Humanities and Education:
AGUIRREOLEA ARANA, MARCOS (Psychology).
ALVAREZ BAJARES, GUILLERMO (History of Journalism).
ALVAREZ QUIROS, DANIEL (Spanish Literature).
ANCIZAR MENDOZA, ALBERTO (History of Journalism).
ARELLANO ARRIAGA, FERNANDO (Philology, German Literature).
ARIZMENDI AZPIAZU, LUIS (Ethics).
ATENCIO REYES. LUIS (Psychology).
AYALA GARCIA, JOSÉ RAMÚN (Latin, Philology).
BREDY LAFOREST, RAPHAEL (Biology, Anthropology).
CARIAS, RAFAEL (Philosophy).
COOK, GUILLERMO ALFREDO (Literary Theory).
FERNANDEZ HERES, RAFAEL (Greek).
GONZALEZ HERNANDEZ, ANTONIO (News Writing).
HANNOT LOPEZ, SANTIAGO RIGOBERTO (Foreign Languages).
HOPKINS, THOMAS (Radio and Television Research).
IBARRA PEREZ, OSCAR (Psychology, Pedagogy).
LORENZINI, BOTTI RENZO (Classical Literature, Italian Literature).
LOZANO ZUZA, CANDIDO (Psychology).
MACIA ANZOLA, CRISTOBAL (Psychology).
MAGGI CALCAÑO, LUIS A. (Psychopathology: Psychology).
MIJARES, AUGUSTO (Colonial History).
MIRET MONSO, JOSÉ (Psychology).
OJER CELIGUETA, LUIS (Pedagogy).
OLASO, LUIS MARIA (Introduction to Law).
PAULET BRUNET, ADRIAN (Foreign Languages).
PERELLI, GIORGETTI, MARIO (English).
RISQUEZ, FERNANDO (Psychological Systems).
RUIZ CARRILLO, HAROLDO (Sociology).
SERRADELL CARRERA, JUAN (Mathematics).
STOLK, GLORIA (News Writing).
TEALE, JAMES (Typography).
VELASQUEZ, RAMON J. (History of Journalism).
VETHENCOURT BALESTRINI, JOSÉ LUIS (Psychology).
VILLAVERDE Y ALCALA GALIANO, LUIS (French).
WEISZ, HANS (Typography).
YANES, OSCAR (News Writing).

Faculty of Engineering:
ABENANTE OSUNA, FRANCISCO (Rational Mechanics).
AGUERREVERE PORRAGAS, FRANCISCO (Hydraulic Engineering).
ALDANONDO MARTINEZ DE LIZARDUY, INOCENCIO (Mathematical Analysis).
ALFONZO GUZMAN, RAFAEL J. (Labour Law).
ANZOLA MONTAUBAN, ALFREDO (Physics and Chemistry).
ARNAL ARROYO, GUIDO (Physics, Descriptive Geometry).
ARNAL ARROYO, HENRIQUE (Structural Engineering).
ASENSI LLORIA, JACOBO (Designing, History of Art).
ASPINO PARDO, MIGUEL (Building).
BOEHM, JOHANN JOSEPH (Thermal Machines).
BOESI, TITO (Geology).
BOLINAGA, IBARRONDO JUAN JOSÉ (Hydraulics).
BOSCAN RINCON, ANGEL (Topography).
BRILLEMBOURG, DARÍO (Resistance of Materials).
CALCAÑO, EDUARDO (Mathematical Analysis).
CARIAS, LUIS E. (Communications).
CASTILLO PINTO, HENRY (Mathematical Analysis).
CHACIN, GUSTAVO (Physics).
FARIAS MENDOZA, JUSTO PASTOR (Physics).
GONZALEZ DE JUANA, CLEMENTE (Geology).
GONZALEZ OROPESA (Humanities).
HERRERA, PEDRO EMILIO (Descriptive Geometry).
HORILLO DOMINGUEZ, ANA (Chemistry).
ITURBE, MANUEL AQUILES (Mathematical Analysis).
KOWALSKI RUIZ, LUIS A. (Designing, Concrete).
KWIERS RODRIGUEZ, HIPÓLITO (Resistance of Materials, Hydraulics Engineering).
LAMBERTI CANO, BLÁS (Building).
LASCURAIN BAJENETA, JOSEBA A. (Means of Communication).
MIER Y TERAN, EDUARDO (Hydraulics).
MIRET MONSO, JOSE (Psychology).
MOLINA GONZALEZ, NICOLÁS (Physics).
NORIEGA VICENTE, PEDRO (Chemistry).
OLALQUIAGA DE LOS REYES, JOSÉ (Economics).
PACHECO SANTANA, RICARDO (Designing).
PAUL BELLO, PEDRO (Structural Engineering).
PENZINI FLEURY, LUIS (Mathematical Analysis).
PEREZ LA SALVIA, HUGO (Soil Mechanics).
PEREZ OLIVARES, LUIS (Structural Engineering).
PIRELA ROMERO, CONSUELO (Humanities).
POLANCO ALCANTARA, JESUS (Topography).
QUINTANA URANGA, ALATZ (Building Research).
REVERON LARRE, ANDRES (Road Engineering).
REYNA RODRIGUEZ, CARLOS (Foreign Languages).
ROA SMITH, JORGE (Foreign Languages)
RODRIGUEZ ARMAS, JESUS EDUARDO (Communications).
RODRIGUEZ SOTO, CARLOS (Physics).
ROJAS VALERY, GUSTAVO (Design).
SANANEZ CARRANZA, JUAN (Communications).
SARDI SOCORRO, VICTOR (Hydraulics).
STAPULIONIS, ANASTAZ (Physics).
STONE REVERON, JOHN JOSEPH (Economics).
TAMAYO, CARLOS ENRIQUE (Resistance of Materials).
VALERY PINAUD, ARTURO (Building).
VEGAS, ARMANDO (Building Research).
VERA IZQUIERDO, SANTIAGO (Foreign Languages: Rational Mechanics).

UNIVERSIDAD DE SANTA MARIA

EL PARAISO, CARACAS

Founded 1953

Rector: Dr. JOSÉ RAFAEL MENDOZA.
Secretary: Dr. JAIME MARÍN MEDINA.
Vice-Rector: Dr. JOSÉ RAMÓN BERRIZBEITIA.

Number of professors: 120.
Number of students: 1,500.

DEANS:

Faculty of Economics: Dr. CÉSAR BALLESTRINI.
Director, School of Economics: Dr. FERNANDO NUFSSENBAUM.
Director, School of Administration: Dr. LUIS BELTRÁN BASTARDO.
Faculty of Engineering: Dr. LUIS EDUARDO IRIARTE.
Faculty of Law: Dr. LUIS BERLIOZ BERMÚDEZ.
Faculty of Pharmacy: Dr. RAÚL SOJO BLANCO.

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UNIVERSIDAD DE ORIENTE

APDO. 10641, SABANA GRANDE

Founded 1960

President of Organising Committee: Luis Manuel Peñalver.

Faculty of Sciences, Cumana:
Dean: Luís M. Serpa Sanabria.
Comprising:
Oceanographic Institute, Cumana.
Oriente Observatory, Porlamar.
School of Biology, Cumana.
Technical Schools of Fishing, Cumana and Porlamar.

Faculty of Engineering, Ciudad Bolívar:
Dean: Oscar Rojas Boccalandro.
Comprising:
Electro-mechanical Research Institute, Barcelona.
Biological and Mining Research Institute, Ciudad Bolívar.
School of Engineering, Barcelona.
School of Geology, Ciudad Bolívar.
Technical School of Mining, Ciudad Bolívar.

Faculty of Agronomy, Veterinary Medicine and Zootechnics, Jusepín:
Dean: Alejandro Quesada.
Comprising:
Agricultural and Stockbreeding Institute.
School of Agronomy.
School of Veterinary Science.
School of Zootechnics.
Technical Agricultural School.

Faculty of Humanities and Education, Cumana:
Dean: Ramón Buonaffina.
Comprising:
Higher School of Administration, Porlamar.
School of Medicine, Ciudad Bolívar.

UNIVERSIDAD DE LOS ANDES

MÉRIDA

Telephone: 2001, 2002

Telegraphic Address: University, Merida

Founded 1785 as the Seminario de San Buenaventura. In 1805 the Real Universidad de San Buenaventura de los Caballeros de Mérida was founded with the right to confer degrees.

Rector: Dr. Pedro Rincón Gutiérrez.
Vice-Rector: Dr. Luis Elbano Zerpa Díaz.
Secretary: Dr. José Juan Rivas Belandria.
Librarian: Lourdes Esther García Pineda.

Number of teachers: 275.
Number of students: 2,813.
Publications: *Universitas Emeritensis, Revista Geográfica.*

DEANS:

Faculty of Law: Jorge Francisco Rad Rached (acting).
Faculty of Humanities and Education: Dr. Carlos César Rodríguez Courbenas.
Faculty of Pharmacy: Dr. Hildebrando Rodriguez.
Faculty of Odontology: Dr. Ramón Ignacio Prieto García.
Faculty of Medicine: Dr. Francisco Moncada Reyes.
Faculty fo Engineering: Dr. Manuel Padilla Hurtado.
Faculty of Economics: Dr. Ignacio Soloaga.
Faculty of Forestry: 34 Professors.

PROFESSORS:

Faculty of Law:
Albornoz Berti, Héctor (Public and Private Law).
Albornoz Berti, Roberto (Seminary).
Briceño Ferrigni, Germán (Civil Law).

Calderón Pino, Luis Arturo (Forensic Medicine).
Casanova, Ramon Vicente (Civil Law).
Chalbaud Cardona Zerpa, Rainaldo (Sociology).
Contreras P., Luis A. (Practical Civil Law).
Febres Cordero, Héctor (Penal Law).
Febres Poveda, Carlos (International Private Law and Legal Medicine).
Maldonado, Lubin José (Administrative Law).
Marin E., Antonio Ramon (Contracts and Guarantees).
Mendoza Angulo, José (Economics).
Monagas, José Miguel (Mercantile Law).
Négron Dubuc, Luis (History and Philosophy of Law).
Newman Briceño, Carlos (Practice of Mercantile Law).
Noguera Mora, Luciano (Administrative Law and Public Finance).
Pineda León. Pedro (Civil Proceedings).
Quintero, Omar E. (Commercial Law, Criminal Proceedings).
Rad R., Jorge Francisco (Roman Law).
Ramon Marin, Antonio (Contract Practice).
Sánchez, Jesús Leopoldo (International Public Law and Roman Law).
Valery Moreno, Ramón Mazzino (Civil Law).
Vasquez, José Valerio (Labour Laws).
Vasquez, Valerio José (Labour Laws).
Viera, Hugo (Penal Law).
Vizcaya A., Pedro (Public Law).
Zerpa Diaz, Luis Elbano (Constitutional Law).

Faculty of Humanities and Education:
Alonso Rodriguez, María Rosa (Spanish Philology).
Arellano, Aura de (History of Education).
Arias, Alejandro (Scholastic Orientation).
Astorga Anta, Juan (Modern History, History of Art).
Bosetti, Mario (History).
Briceño Vazquez, Antonio Nicolás (Seminary).
Briceño Guerrero, Jesus Manuel (Greek).
Cárdenas Colmenter, Antonio Luis (Geography).
Castillo, Desiderio (Methodology).
Cuesta y Cuesta, Alfonso (Spanish and South American Literature).
Lopez Guedez, Horacio (History of Colonial America).
Marciales, Miguel (Italian Literature, English Literature).
Marcovich, Miroslav (Latin, Greek, Palæography).
Martinez, Juan Francisco (Methodology).
Merani, Alberto (Psychology, Biology).
Monagas, José Miguel (History of Education in Venezuela).
Montilla, Francisco Obed (Differential Pedagogy).
Munoz Oraa, Carlos Emilio (History of Contemporary America).
Perez Baptista, Ernesto (Contemporary History).
Raymont, John (English).
Reinoza Pulido, Jose Ventura (Anthropology).
Rincon Gutierrez de Rada Fangher, Yolanda (Ancient and Modern History).
Rincón Gutierrez, Gonzalo (History of Venezuela, Anthropology).
Rodríguez Courbenas, Carlos César (Aesthetics).
Roux, Xavier, (French).
Sanoja, Mario (Anthropology).
Spinetti Dini, Mario (Italian, Italian Literature).
Tablante, Garrido, P. N., (English).
Track Pino, Hernando (Literature).

Faculty of Pharmacy:
Avendaño Medici, Anibal (Analytical Qualitative Chemistry).
Baptista Troconis, Mario H. (Qualitative Chemistry).
Borges, Diomedes (Galenic Pharmacy).
Borregales, Pedro Jose (Toxicology).
Boscan Fernandez, Luis A. (Bromatology).
Calderon Rodriguez, Josefa Herminia (Serology).
Carabot, Alfredo (Physics).
Cato David, Jorge (Physiology).
Diaz Perozo, Emiliano (Anatomy and Physiology).
Febres Cordero, Raúl (Chemistry of Inorganic Medicine).
Gonzalez Marquez, Gonzalo, (Biochemistry).
Gonzalez Marquez, Luis A. (Microbiology).
Kleiss, Ekerhard (Anatomy).
Landaeta de Filippis, Isabel (Galenic Pharmacy).
Liendo Tenias, Luis Jose (Physics).
Lopez Perez, Julio (Quantitative Chemistry).
Maldonado Lopez, Jose Roberto (Seriology).
Masini Osuna, Ramon (Organic Chemistry of Medicine).
Medina, Gisela (Physics).

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MENDELOVICE, EFRAIN (Organic Chemistry).
MESTRE MESTRE, JORGE (Pharmaceutical Physics).
MONTES DOMINGUEZ, OSCAR (Pharmaceutical Legislation).
MONTIEL FERNANDEZ DE FEBRES CORDERO, YOLANDA (Organic Chemistry).
MONTILLA, JOSE TOMAS (Hospital Practice).
MORENO RANGEL, J. (Parasitology).
NUCETE MARQUINA, HUMBERTO (Physiology).
OLIVARES, HUMBERTO (Hospital Practice).
OLIVER DE ALBORNOZ BERTI, ADA DE (Biochemistry).
OPALINSKI, ALBIA (Haematology).
ORTEGA GONZALEZ, JESUS (Galenic Principles in Industry).
PARADES VIVAS, PABLO (Toxicology).
PEREZ BARRE, FERNANDO (Botany).
PINEDA BAZO, GUSTAVO (Haematology).
RAMÍREZ CORREDOR, GUSTAVO (Chemistry of Inorganic Medicine).
RAVEN BARBOZA, EMILBA (Biochemistry).
REVERON DE OLMOS, JOSEFINA (English).
RIVERA INCIARTE, GUSTAVO (Organic Chemistry).
RODRIGUEZ, HILDEBRANDO (Biochemistry).
ROJAS, ANTONIO MARIA (Pharmacology).
ROMERO, ADA (Microbiology).
RUJANO R., RAMÓN (Parasitology).
SALAS SALAS, CARLOS EDMUNDO (Microbiology).
SALFELDER, KARLHANNA (Histology).
SANCHEZ, FRANCISCO ANTONIO (Parasitology).
SANCHEZ, GUILLERMO (Microbiology).
USUBAILLAGA DEL HIERRO, ALFREDO (Instrumental Analysis).
UZCATEGUI UZCATEGUI, ALONSO (Microbiology).
VALERO BALZA, ISMAEL (Quantitative Chemical Analysis).
VALERY MORENO, EZIO (Galenic Pharmacy).
VARGAS, ROBERTO (Mathematics).
VERA CONTRERAS, ROSARIO (Haematology).

Faculty of Odontology

ABZUETA, JOSÉ RAFAEL (Descriptive Anatomy, Stomatological Pathology).
ACOSTA DE ACOSTA, FRANCISCA (Periodontology).
BELTRANENA, JUAN (Stomachic Pathology).
BRICEÑO, BRICEÑO OMAR (Anæsthetics, Surgical Stomatology).
CARNEVALI RANGEL DE BOSETTI FUMAGALLI, RITA ELISA (Technique of Operative Odontology).
CONTRERAS, PERNIA JOSÉ VICENTE (Clinical and Operational Odontology).
CORREDOR TANCREDI, AMÉRICO (Operative Dentistry, Anæsthetics, Surgical Stomatology).
COVA NATERA, JOSÉ LUIS (Dental Materials).
DEKUN, WALTER (Partial Dentures).
ESPINOZA AGUILERA, ARMADNO (Pharmacology).
FEBRES ARRIA, FABIO LUIS (Clinical and Therapeutic Stomatology).
FEBRES CORDERO, NÉSTOR (Pharmacology).
FRANCO FERNANDEZ, NATIVIDAD ANTONIO (Total Dentures).
FUENTES DE BARAZARTE, SAROJINI (Histology and Embryology).
GARCÍA SISCO, ROGER (Radiology, Anæsthetics, Surgical Stomatology).
GILL, J. RAYMOND (Fixed Crowns and Bridges).
GIORDANO MORA, ALDO MARIO (Clinical and Operational Odontology).
GOMEZ ARAUJO, EUSTOQUIO (Crowning).
GUILLEN MUNOZ, LUIS EFREN (Dental Anatomy).
GUEVARA ZAVALA, JOSE ARMANDO (Partial Dentures).
HARTUNG, MANFRED (General Pathology, Physiopathology).
HERNANDEZ, JOAQUIN HENRIQUE (Radiology).
LOPEZ RODRIGUEZ, NELLY (Biochemistry).
LOPEZ RODRIGUEZ, FABIOLA (Technique of Operative Odontology).
MARTENS COOK, JORGE (Biochemistry).
NUCETE RODRÍGUEZ, HUMBERTO (Pathological Anatomy).
PEREZ MANZANEDA DAVID (Human Anatomy).
PINEDA BAZO, GUSTAVO (Physiology and Microbiology).
PLAZA RAMIREZ, HUGO RAMON (Surgery).
PRIETO DE UNDA, CARMEN (Odontopediatrics).
PRIETO GARCIA, RAMÓN IGNACIO (Partial Dentures).
PULIDO, PEDRO (Operative Dentistry, Therapeutics).
REINOSA QUINTERO, LUIS ALBERTO (Surgery).
REYES ARREDONDO, GILBERTO (Total Dentures).
RIOS ARRIETA, ANDRES (Total Dentures).
RIVAS UZCATEGUI, FRANCISCO JOSE (Stomachic Pathology).
RUÍZ BRICEÑO, ALFONSO (Operative Dentistry, Therapeutics).
SAAVEDRA S., LUIS ALBERTO (Crowning).
SANCHEZ OSORIO, RAFAEL ANGEL (Endodontics).
SANCHEZ, GUILLERMO (Microbiology).
SETTE BERTI, MARIO (Clinical and Therapeutic Stomatology).
SOSA GUILLÉN, MANUEL (History of Dentistry, Operative Dentistry, Legal Dentistry, Deontology).
SPINETTI-BERTI, MARIO (Biological Physics and Chemistry).
TORRES VARELA, JOSÉ RAMON (Dentures).

Faculty of Medicine:

ABZUETA, JOSÉ RAFAEL (Pædiatrics).
ALVARADO DIAZ, ROMULO (Surgery).
ARCAY, GUSTAVO (Pediatrics).
ARELLANO PARRA, JESUS (Anatomy).
ARELLANO MORENO, RAUL (Preventive and Social Medicine).
AREVALO DE COLMENARES, GLADYS (Embryology).
AVENDAÑO CALDERÓN, J. DE J. (Clinical Pediatrics and Obstetrics).
AVENDAÑO MONZÓN, RUBEN (Pathological Medicine).
BARRETO G., LUIS FELIPE (Clinical Surgery).
BONOMIE, JUSTO MIGUEL (Clinical Traumatology).
BORRIA DE MUSSET, MAGDALENA (Clinical Pediatrics).
BOTTARO CAMARGO, LUIS (Ophthalmology).
CALDERON RODRIGUEZ, JESUS FELIPE (Clinical Surgery).
CALISTRI, JUAN P. (Clinical Psychiatry).
CAMARGO DE SCANU, TERESA (Parasitology).
CATO DAVID, JORGE (Pharmacology).
CAYAFFA BONIFAZ, JUAN (Physiopathology).
CELIS DAVILA, JUAN DE DOIS (Clinical Traumatology).
CHAVEZ, OSWALDO (Normal Anatomy).
CHIANTERA, FERNANDO (Biochemistry).
CHUECOS POGGIOLI, MANUEL ALFONSO (Clinical Pediatrics).
CRESPO V., ANTONIO (Clinical Medicine).
DÍAZ PEROZO, EMILIANO (Pædiatrics).
DIAZ PIZANI DE PAZ, HILDEGARDE (Biochemistry).
DELGADO DE BENASSAI, ISABEL (Pediatrics).
FEBRES ARRIA, ENRIQUE (Normal Anatomy).
FEBRES CORDERO, DANIEL (Obstetrics).
FERNÁNDEZ HUERTA, ANTONIO (Biophysics).
FUENMAYOR CARDOZO, ERNESTO (Clinical Medicine, General Clinical Propædeutics).
FUENMAYOR PELEY, ABDEL (Descriptive Medical Pathology).
GABALDÓN PARRA, AUGUSTO (Clinical Phthisiology).
GARCIA MENDEZ, GERMAN (Clinical Pediatrics).
GONZÁLEZ BERTI, ENRIQUE (Tropical Medicine).
GONZALEZ MARQUEZ, GONZALO (Biochemistry).
GONZALEZ D., MIGUEL A. (Biophysics).
GONZALEZ GONZALEZ, GERMAN (Clinical Cardiology).
GONZALEZ GUEVARA, JOSE R. (Clinical Urology).
GUILLÉN, ARMANDO (Clinical Surgery).
HARTUNG, MANFRED (Physio-Pathology).
KLEISS, EKKEHARD (Normal Anatomy).
LÓPEZ LUCENA, UNDIVAL (Normal Anatomy).
MAGO DE GONZALEZ, FLOR MARINA (Histology).
MALDONADO, CIRO (Surgery).
MARTENS COOK, JORGE (Biochemistry).
MERANI, ALBERTO L. (Psychology and Medical Psychopathology).
MONCADA REYES, FRANCISCO (Descriptive Surgical Pathology, Surgical Technique, Clinical Phthisiology).
MUSSET, RÓMULO (Technical and Clinical Surgery).
NOGUERA OCHOA, ALBERTO (Internal Medicine).
NUCETE RODRIGUEZ, HUMBERTO (Pathological Anatomy, Surgical Therapeutics: Ear, Nose and Throat).
OCARIZ, JOSÉ HUMBERTO (Medical Pathology).
OLIVER LUENGO, WALTER (Digestive Pathology).
OPALINSKI, ALBÍN (Clinical Medicine).
OSUNA CEBALLOS, ALFONSO (Clinical Medicine).
PAOLI BRICENO, ARTURO (Endocrinology).
PAZ MARTINEZ, VIRGILIO (Clinical Medicine).
PÉREZ MANZANEDA, DAVID (Forensic Medicine, Deontology).
PEREZ OVIEDO, PEDRO (Clinical Obstetrics).
PEROZO SILVEIRA, DELIA (Clinical Electrocardiology).
REAL JIMÉNEZ, GUILLERMO (Preventive Medicine).
RENGEL SÁNCHEZ, LUIS (Normal Anatomy).
REVILLA FRANCO, TOMÁS (Clinical Psychiatry, Clinical Pediatrics).
REYES DE LISCANO, TERESA (Pathological Anatomy).
RINCÓN GUTIÉRREZ, PEDRO (Normal Pathology, Physio-Pathology).
RINCÓN MARTINEZ, MANUEL I. (Clinical Obstetrics and Gynæcology).
RITHMANN, MARIJA (Clinical Radiology).
RIVERA INCIARTE, GUSTAVO (Biochemistry).

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RODRÍGUEZ, HILDEBRANDO (Bio-chemistry).
ROJAS, ANTONIO (Pharmacology).
ROJAS ROJAS, J. M. (Clinical Ophthalmology, Pharmacology, Toxicology).
ROMANOVICH, JORGE (Clinical Phthisiology).
SALFELDER, KARLHANNS (Histology, Embryology, Pathological Anatomy).
SÁNCHEZ, GUILLERMO (Microbiology and Parasitology).
SÁNCHEZ ROMERO, HÉCTOR (Tropical Medicine).
SEQUERA PALENCIA, HECTOR (Hygiene and Social Medicine).
SOSA, JULIO MARIA (Normal Histology).
UZCÁTEGUI BURGUERA, ANTONIO JOSÉ (Clinical Obstetrics and Gynæcology).
VETENCOURT SANCHEZ, SERVIO TULIO (Physiology).
VARGAS ROMERO, MAURICIO (Clinical Obstetrics and Gynæcology).

Faculty of Engineering:

ABREU BURELLI, RAFAEL (Rational Mechanics).
ARELLANO, ANGULO, JULIO CESAR (Descriptive Geometry).
AVENDANO MEDICIS, ANIBAL (Chemistry).
BOADA GARCIA, JESUS (Descriptive Geometry).
BRCEK, JAROSLAV (Projects).
BUSCHI, ALFREDO (Architecture, Highways).
CAMARGO, ROSENDO (Resistances of Materials).
CONTRERAS MERCHAN, WIGBERTE (Materials of Construction).
CUESTA Y CUESTA, ALFONSE (Humanities).
FARGIER SUÁREZ, LUIS (Reinforced Concrete).
FLOREZ PLAZA, JULIO (Rational Mechanics).
GARRIDO MIRALLES, LEOPOLDO (Public Buildings, Building Costs, Installations).
GERSIE, DANIEL (Hydraulics).
GOETZE, ROMMLER RAIMUNDE (Physics).
GONZALEZ D., MIGUEL (Applied Physics).
KONRAD, HERMAN (Hydrology, Mechanics of Fluids).
LLUCH, FRANCISCO J. (Drawing).
LOMBARDI, EMILIO (Surveying, Railway Construction).
LULO NAZIR, EDMUNDO JOSÉ (Languages).
MARTINEZ GONZALEZ, FRANCISCO A. (Geology).
MONAGAS, JOSÉ MIGUEL (Law, Legislation and Ethics).
OLMOS OSORIO, CARLOS (Design Architecture).
PRATA CARAMADRE, EMIDIO (Physics).
REAL JIMENEZ, GUILLERMO (Hygiene and Sanitation).
SAEZ, FERNANDO DE TORRO, ALBERTO (Physics).
SALDIVIA DE SANDIA, MARTHA (Descriptive Geometry).
VANEGAS RIZZO, ALFONSO (Design, Architecture).
VARGAS, ROBERTO (Mathematics).
ZALEWSKY, WACLAW (Structures).

Faculty of Economics:

APARICIO BALLESTER, ELVIRA (General Economic Geography).
CHUECOS POGGIOLO, CARLOS E. (Mining Economics).
COROTHIE, HARRY (English).
FERNANDEZ, JESUS ALBERTO (Economic Theory).
HERNANDEZ TERIFE, GUSTAVO (Social and Labour Economics).
HOCEVAR M., JOZE (Economic Sociology).
HONTORIA GUADAMURO, LEOCADIO (Economic Theory).
LLAGUNES FÁRRÁS, ENRIQUE (Statistics and Mathematical Analysis).
MARRERO CARPIO, JESUS (Public Organisation and Administration).
MORA WANLOXTEN, JUAN LUIS (Accountancy).
POCATERRA JIMENEZ, MANUEL (Economic Theory).
QUINTERO TREJO, OMAR ELADIO (Public and Private Law).
SOLOAGA, JUAN IGNACIO (Economic Geography and Sociology).
TINTO GOTSENS, JAIME (Economics and Statistics).
URDANETA, HEBERTO (Public Administration and Accounting).
ZAVROTSKY, ANDREI (Mathematical Analysis).

UNIVERSIDAD NACIONAL DEL ZULIA

MARACAIBO

Rector: Dr. ANTONIO BORJAS ROMERO.
Vice-Rector: Dr. RAFAEL DÍAZ CERRADA.
Secretary: Dr. HUMBERTO J. LA ROCHE.
Librarian: Sta. ANGELA TERESA BARRIOS ALVARADO.

Libraries:

University Library, 10,393 vols.; *Faculty of Law*, 6,010 vols.; *Faculty of Medicine*, 953 vols.; *Faculty of Engineering*, 853 vols.; *Faculty of Dentistry*, 74 vols.; *Bolivar-Washington Library*, 2,523 vols.

Publications: *Gaceta Universitaria, Revista de la Universidad Nacional del Zulia, Letras y Artes, Ciencia y Cultura, Semanario Informativo*, various faculty bulletins.

DEANS:

Faculty of Law: LUIS PINTO SALVATIE.
Faculty of Medicine: VINICIO CASAS RINCÓN.
Faculty of Engineering: Dr. BERNARDO RODRÍGUEZ D'EMPAIRE.
Faculty of Dentistry: L. ESPARZA MARTÍNEZ.

SCHOOLS OF ART AND MUSIC

Caracas

Escuela de Artes Plásticas y Artes Aplicadas "Cristóbal Rojas" (*Cristóbal Rojas School of Plastic and Applied Arts*): Av. Mexico frente a la Experimental Venezuela; Dir. LUIS DOMINGUEZ SALAZAR.

Escuela Superior de Música (*High School of Music*): Veroes a Santa Capilla; f. 1945; Dir. VICENTE EMILIO SOJO.

Escuela de Música "Juan Manuel Olivares" (*Juan Manuel Olivares School of Music*): Av. Vargas, San Bernardino; f. 1945; Dir. JUAN BAUTISTA PLAZA.

Escuela Nacional de Opera (*National School of Opera*): Dirección de Cultura y Bellas Artes of the Ministry of Education; Dir. PRIMO CASALE.

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DEMOCRATIC REPUBLIC OF VIET-NAM

Population 15,903,000

LIBRARY

National Central Library: Hanoi; under the control of the Ministry of Culture.

MUSEUMS

Historical Museum: Hanoi; under the control of the Ministry of Culture.

Revolutionary and Armed Resistance Museum: Hanoi; under the control of the Ministry of Culture.

UNIVERSITY AND COLLEGES

UNIVERSITY OF HANOI

(TRUÒNG DAI-HOC TÔNG-HO'P)
HANOI

Re-founded 1956.

Director: NGUY-NHU'-KONTUM.
Number of teachers: 144.
Number of students: 1,075 (including students from foreign countries).

The University teaches fundamental sciences, engages in research and practical work in factories and co-operative farms, and participates in the scientific research of the State Committee of Sciences and in the Association for Scientific Diffusion.

Publication: *Tâp-san Dai-Hoc* (University Review).
Library: 50,139 vols.

Faculty of Mathematics and Physics: LÊ VAN THIÊM.
Faculty of Chemistry: NGUYÊN-HOÃN.
Faculty of Biology: DUONG-HUU-THÖI.
Faculty of Social Science: HOÃNG-XUÂN-NHI.

AFFILIATED INSTITUTES:

Agriculture and Forestry College (*Hoc Vien Nông Lâm*): Hanoi; f. 1945; conducts scientific research on agriculture, silviculture, cattle-breeding; publ. *Tin Tuc Khoa Hoc.*

Director: BUI HUY DAP.
Number of teachers: 70.
Number of students: 1,000.

Biological Station.

COLLEGES AT HANOI

AGRICULTURE AND FORESTRY COLLEGE

Founded 1956. Departments of Agricultural Mechanics, Farming, Husbandry and Veterinary, Forestry.

CENTRAL COLLEGE

Departments of Literature, History, Mathematics, Physics, Chemistry, Natural Sciences.

CENTRAL SCHOOL OF ECONOMICS

FINE ARTS COLLEGE

Departments of Painting and Sculpture: provides 5-year courses for National and Foreign students.

HANOI SCHOOL OF ECONOMICS AND FINANCE

Founded 1959.

MEDICAL AND PHARMACEUTICAL COLLEGE

Departments of Medicine and Pharmacy.

POLYTECHNICAL COLLEGE

Founded 1956. Courses in mechanics and metallurgy, electrotechnics and radio-techniques, geology and mining, civil engineering, chemical and food industries, etc.

TEACHERS' COLLEGE

Departments of Mathematics, Physics, Chemistry, Natural Sciences, Literature, History, Geography.

VINH PEDAGOGICAL COLLEGE

Founded 1959.

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REPUBLIC OF VIET-NAM

Population 14,072,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: 135 Nguyen Hué, Saigon.

British Council, The: 119 Dai-lo Nguyen-Hué, Saigon; Rep. L. S. DOWNES.

Directorate of Cultural Affairs (responsible to the Department of National Education): 266 Cong-Ly Street, Saigon; includes the office for UNESCO affairs; arranges for the exchange of documents with different Viet-Namese and foreign cultural organs; Dir. NGUYEN-DINH-HOA; publs. *Van-hoa Tung-thu* (Viet-Namese Culture series), *Van Hoa Nguyet-San* (monthly bulletin on Viet-Namese Literature and Civilisation).

Goethe Institut: 120 Phan-dinh-Phung, Saigon.

Hôi Phât Hoc Nam Viet (*Association for Buddhist Studies*): Xa-Loi Pagoda, 89 Ba Huyen Thanh-Quan, Saigon; 25,000 mems.; Pres. MAI THO TRUYEN.

Hôi Thong Thien Hoc Viet-Nam (*Theosophical Society in Viet-Nam*): 72/6 Nguyen dinh Chieu Street, Saigon; f. 1952; 594 mems.; Pres. Mrs. NGUYEN THI HAI; Sec. NGUYEN VAN HUAN.

Institute of Oceanography: Nhatrang; f. 1927; biological, physical oceanography, maregraphic and seismographic research establishment; collections hall, aquarium, reference library; Dir. Dr. HOANG-NGOC CÂN; Research Officers: HOANG-NGOC CÂN (Physical Oceanography), PHAM HOANG HO (Botany), NGUYEN HAI (Seismography), HOANG-QUÔC TRUONG, TRAN NGOC LOI (Biology).

Institute of Research "Pasteur": Dàlat.

Mission Culturelle Française: 31 Rue Don-Dat, Saigon.

National Institute for Nuclear Research: Dàlat; f. 1962; devoted to the peaceful uses of atomic energy, particularly for agriculture and medicine; 250 kW. Triga Mk. 2 Reactor; library of 25,000 vols.; 10,000 microfilms; 50 technicians; Gen. Dir. Prof. BUU HOI; Scientific Dir. LÉ TUAN ANH.

National Institute of Bacteriology and Animal Pathology: Saigon; f. 1957; 29 Phan Dinh Phung, Saigon.

National Institute of Historical Research: 66-68 Lê Thanh Tôn, Saigon; Dir. Dr. TRUONG BUU LAM.

Society of Indo-Chinese Studies: c/o National Museum of Viet-nam, Saigon; 197 active members, 115 foreign members; Oriental library; Pres. JOSEPH BOCQUET; publ. *Bulletin* (quarterly).

Tông-Hôi Phât Giao Viet-nam (*Buddhist General Association of Viet-Nam*): Xa-Loi Pagoda, 89 Ba Huyen Thanh-Quan, Saigon; 2,500,000 members; Pres. Ven. THICH TINH KHIET.

U.S. Information Centers: 143 Nguyen Hué Boulevard, Saigon; 8 Ly Thuong Kiet, Huế; 22 Yersin, Dàlat; 2/3 Phan Dinh Phung, Cantho.

Viet-Namese Association for Asian Cultural Studies and Relations: 34 Pham Dang Hung, Saigon; 175 mems. in Viet-Nam, 92 abroad; Pres. NGUYEN DANG THUC.

Viet-Namese Association for Confucianist Studies: 137-139 Phan Thanh Gian, Saigon; 14,000 mems.; Pres. HOANG NAM HUNG.

LIBRARIES

Abraham Lincoln Library (United States Information Service): 143 Nguyen Hue, Saigon.

Alliance Française Library: 135 Nguyen Hué, Saigon.

Bibliothèque Générale: Petrus Ky High School, Tran Binh Trong Street, Saigon; 10,162 vols.; 178 periodicals; Dir. NGUYÉN HÙNG CUÓNG.

Bibliothèque Nationale: 34 Gia-Long Street, Saigon; 90,544 vols., 968 periodicals; Dir. DUONG SANH.

Central Library of the Department of Information: Saigon; f. 1955; 41,477 vols.; Chief Librarian HOANG TUAN ANH.

French Cultural Mission Library: 31 rue Don-Dat, Saigon; 28,000 vols., in French.

Institute of Historical Research Library: 66 Lê-Thanh-Tôn, Saigon; f. 1956; 23,000 vols., including books on the history and civilisation of China and Viet-Nam, as well as modern Viet-Namese literature and books and documents in Chinese characters; part of the former **Imperial Library of Hué**; Dir. Dr. TRUONG BUU LAM.

Municipal Library: Dàlat; 17,500 vols., children's library of 1,170 vols.; Librarian LE MINH KINH.

National Institute of Administration Library: 10 Tran Quôć Toân, Saigon; f. 1955; 17,000 vols., 300 periodicals.

Popular Cultural Association Library: 7 Phan-ke-Binh Street, Dakao, Saigon; 6,000 vols.

Society of Indo-Chinese Studies Library (*Bibliothèque d'Orientalisme*): Saigon; publ. *Bulletin* (quarterly-French language).

MUSEUMS

National Museum of Viet-Nam: Botanical Garden, Saigon; f. 1929; the 14 rooms contain objects relating to the different civilisations which have evolved over the Indo-Chinese Peninsula; ethnology, history, ancient arts, numismatics and archæology sections.

Museum of Hué: Hué.

Museum of Tourane: Tourane.

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UNIVERSITIES

UNIVERSITY OF DÀLAT

RUE DE L'UNIVERSITÉ, DÀLAT

Founded 1958

Chancellor: Mgr. NGO DINH THUC.

Rector: R.P. NGUYEN VAN LAP.

Number of professors: 73.
Number of students: 584.

Faculty of Education: R.P. TRAN VAN THIEN (Dean).
Faculty of Letters.
Faculty of Science.
Faculty of Theology.
Faculty of Scholastic Philosophy.
Seminary of Pius X.

UNIVERSITY OF HUÉ

3 RUE LE LOI, HUÉ

Founded 1957

Rector: The R.P. CAO-VAN LUAN.

Secretary-General: AU NGOC HÔ.

Number of teachers: 168 (including 15 foreign professors).
Number of students: 2,491 (about half are full-time).
Library: 10,000 vols.

DEANS:

Faculty of Law: BUI TUONG HUÂN.
Faculty of Arts: LE VAN DIÊM.
Faculty of Science: TÔN THÂT HANH.
Faculty of Medicine: LE KHAC QUYEN.
Faculty of Education: LE VAN.

UNIVERSITY OF SAIGON

3 CÔNG-TRUÒNG CHIÊN-SI, SAIGON

Founded 1917 as Université Indochinoise; became the University of Saigon, 1955.

Rector: LE VAN THOI.

Number of teachers: 429.
Number of students: 14,988.
Publications: Faculty Reviews and Annals.

DEANS:

Faculty of Law: Prof. VU-QUOC-THUC.
Faculty of Medicine: Prof. PHAM-BIEU-TÂM.
Faculty of Science: Prof. LE VAN-THOI.
Faculty of Letters: Prof. BUI XUAN BAO.
Faculty of Education: Prof. PHAM HOANG HO.
Faculty of Pharmacy: Prof. TRUONG VAN CHOM.
School of Architecture: Prof. TRAN-VAN-T'AI.

TITULAR PROFESSORS:

NGUYÊN QUANG TRÌNH (Sciences).
LÊ-VĂN-THÓI (Sciences).
VŨ-VĂN-MÂU (Law).
NGUYÊN-CAO-HÁCH (Law).
VU-QUÔC-THÚC (Law).
VU-QUÔC-THÔNG (Law).
PHAM-BIÊU-TÂM (Medicine).
NGUYÊN-HÛU (Medicine).
TRÂN-VY (Medicine).
TRÂN-DINH-DÊ (Medicine).
TRÂN-QUANG-DÊ (Medicine).
NGUYÊN-DINH-CÂT (Medicine).
TRINH-VĂN-TUÂT (Dentistry).

AFFILIATED INSTITUTES:

Geographic Institute: Dir. Mrs. QUÁCH-THANH-TÂM.
School of Living Languages: Dir. Dr. HOÀNG-GIA-LINH.

COLLEGES

NATIONAL TECHNICAL CENTRE OF PHU-THO

PHU-THO, SAIGON

Director: LE SI NGAC.

Deputy Director: NGUYEN KHAC NHAN.

Total number of professors: 150.
Total number of students: 634.

School of Public Works: trains engineers and public works technicians; Dir. LE SI NGAC.

School of Electrical Studies: training in radio and electrical engineering; Dir. NGUYEN KHAC NHAN.

National School of Industry: training in mechanical engineering; Dir. VAN DINH VINH.

Naval School: trains deck and engine-room officers for the Merchant Navy; Dir. DANG VAN CHAU.

NATIONAL INSTITUTE OF ADMINISTRATION

10 TRAN QUOC TOAN, SAIGON

Founded 1955.

Rector: VU-QUOC-THONG.

The library contains about 14,000 books in Vietnamese, French and English.

Number of students: about 300.

Publications: *Journal of Administrative Research*, Government Manual, *Progress* (monthly).

The Institute offers three-year courses on General Administration and Economic and Financial Management.

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WESTERN SAMOA

Population 114,427

LIBRARIES

Nelson Memorial Public Library: Apia; f. 1959; 8,500 vols.; operates school library box system with 10,000 vols.; also 2 bookmobiles.

Avele Agricultural College Library: 2,000 vols. serving 200 students.

COLLEGES

AVELE AGRICULTURAL COLLEGE

P.O. BOX 45, APIA

Founded 1924, reorganised 1958

Provides three-year courses.

Principal: E. L. HARDY, B.AG.SC.

Number of students: 100, including students from the Cook Islands, Eastern Samoa, Tonga and Tokelau Islands.

RESIDENT TEACHERS:

Assistant Master: I. L. MILNE.
Assistant Master: D. L. F. JONES.
Senior Tutor: PONE UTUMAPU.
Pastor-Teacher: ALENI WILLIAMS.
Agricultural Teacher and Farm Liaison: FITIFITI LUATUA.

NON-RESIDENT INSTRUCTORS:

HOVE, J. HOLTERMAN TEN (Animal Husbandry).
MINTO, G. W., B.AG.SC. (Forestry and Crop Diseases).
NEWELL, P. B., B.AG.SC. (Forestry and Crop Husbandry).
PARHAM, B. E. V., O.B.E., M.A. (Crop Husbandry and Crop Diseases).
SAIPELE, MAILO (Produce Inspection).
TREVIRANUS, H. (Farm Manager).

AVELE TEACHERS' TRAINING COLLEGE

SAVAI'I

Number of students (1960): 230.

Two-year courses, including general education, English, the history and practice of education, child psychology and teaching method and practice.

The New Zealand Government also provides scholarships for entry into teacher training colleges and universities.

MALUA THEOLOGICAL COLLEGE

MALUA

Founded 1844 by London Missionary Society.

Principal: Rev. J. BRADSHAW, M.SC., M.A., D.PHIL.
Vice-Principal: Rev. KENAPE FALETOESE.

Number of teachers: 4.
Number of students: 24.

PIULA COLLEGE

LUFILUFI

Principal: Rev. G. L. COOK.

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YUGOSLAVIA

Population 18,549,291

ACADEMIES

Jugoslavenska Akademija Znanosti i Umjetnosti (*Yugoslav Academy of Sciences and Arts*): Zagreb 1, Zrinski trg. 11; f. 1867; comprises 17 Institutes for History, Language and Literature, Biology, Chemistry, Research and Art; library of 100,000 vols.; publs. *Rad* (Memoirs), *Ljetopis* (annual), *Bulletin International Starine*, and material dedicated to the history of Croatian Literature.

President: Dr. Griga Novak.

Vice-President: Dr. Franjo Kogoj.

General Secretary: Dr. Ing. Miroslav Karšulin.

Director of Library: Matko Rojnić.

Honorary Members:

Tito, Josip Broz.
Ružička, Lavoslav.

Members:

Social Sciences:

Bakarić, Dr. Vladimir.
Bogdanov, Dr. Vaso.
Čulinović, Dr. Ferdo.
Gunjača, Dr. Stjepan.
Kostrenčić, Dr. Marko.
Krbek, Dr. Ivo.
Novak, Dr. Grga.
Stefanović, Dr. Jovan.

Mathematical Sciences and Physics:

Blanuša, Dr. Ing. Danilo.
Iveković, Dr. Hrvoje.
Karšulin, Dr. Ing. Miroslav.
Lončar, Dr. Josip.
Marković, Dr. Zeljko.
Paić, Dr. Mladen.
Supek, Dr. Ivan.

Natural Sciences:

Marić, Dr. Luka.
Ogrizek, Dr. Albert.
Pevalek, Dr. Ivo.
Salopek, Dr. Marijan.
Tajder, Dr. Miroslav.
Tavčar, Dr. Aloiz.
Varićak, Dr. Teodor.

Medical Sciences:

Babić, Dr. Ivo.
Čupar, Dr. Ivo.
Gušić, Dr. Branimir.
Kogoj, Dr. Franjo.
Oklješa, Dr. Bozídar.
Perović, Dr. Drago.
Saltykov, Dr. Sergije.
Tomašec, Dr. Ivo.

Philology:

Deanović, Dr. Mirko.
Guberina, Dr. Petar.
Hraste, Dr. Mate.
Jonke, Dr. Ljudevit.
Majnarić, Dr. Nikola.
Musulin, Dr. Stjepan.
Torbarina, Dr. Josip.

Modern Literature:

Cesarić, Dobriša.
Kaleb, Vjekoslav.
Krklec, Gustav.
Krleža, Miroslav.
Matković, Marijan.
Šegedin, Petar.
Šinko, Ervin.

Art:

Augustinčić, Antun.
Babić, Ljubo.
Detoni, Marijan.
Fisković, Dr. Cvito.
Galić, Drajo.
Hegedušić, Prof. Krsto.
Horvat, Lavoslav.
Kauzlarić, Mladen.
Kršinić, Fran.
Mise, Jerolim.
Mohorovičić, Andrija.
Radauš, Vanja.
Seissel, Josip.
Tartaglia, Marin.

Music:

Baranović, Krešimir.
Sachs, Milan.
Stančić, Svetislav.
Šulek, Stjepan.

Slovenska akademija znanosti in umetnosti (*Slovene Academy of Sciences and Arts*): Ljubljana, Poštni predal 323-VI; f. 1921 as Scientific Society for Humanistic Researches; reorganised 1938 as Slovene Academy of Sciences and Arts; comprises Institutes for History, Oriental Studies, the Slovene Language, Slovene Ethnography, Literature, Terminology, Biology, Geology, Geography, Exploration of the Karstic Plateaux, Medicine; publs. *Annual Report, Slovene Biographical Lexicon, Dissertationes, Opera, Acta archaeologica, Acta geographica, Acta Carsologica, Fontes rerum Slovenicarum*, etc.

The library contains 100,000 vols.

President: Josip Vidmar.

Vice-President: Anton Kuhelj.

Secretary-General: Milko Kos.

Members:

Bevk, France
Brecelj, Bogdan
Brodar, Srečko
Gradnik, Alojz
Grafenauer, Ivan
Hadži, Jovan
Jakac, Božidar
Kalin, Boris
Korošec, Viktor
Kos, Gojmir Anton
Kosmac, Ciril
Košir, Alija
Kozak, Juš.
Koželj, Venče.
Kozina, Marijan
Kranjec, Miško.
Kreft, Bratko.
Kušej, Gorazd
Lobe, Feliks
Melik, Anton
Neubauer, Robert.
Peterlin, Anton
Plemelj, Josip
Rakovec, Ivan
Samec, Maks
Škerjanc, Lucijan M.
Šnuderl, Maks
Stele, France
Tavčar, Igor
Vavpetič, Lado
Vidav, Ivan
Ziherl, Boris
Zwitter, Fran

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Srpska Akademija nauka I Umetnosti (*Serbian Academy of Sciences and Arts*): Belgrade, Knez Mihailova ulica 35; f. 1886.

President: ILIJA DJURIČIC.
Vice-President: VELIBOR GLIGORIC.
Secretary: MILAN BARTOS.

Comprises the following Sections: Natural Sciences and Mathematics, Medical Sciences, Technical Sciences, Language and Literature, Social Sciences, Fine Arts (painting and music).

Publications: *Glas, Godišnjak, Posebna izdanja* (Monographs), Bulletins, *Zbornici radova* (Collected Works), *Spomenik, Sprski etnografski zbornik, Zbornik za istoriju, jezik i književnost srpskog naroda, Zbornik za istočnjačku istorisku i književnu gradju, Srpski dijalektološki zbornik, Glasnik SANU, Rečnik srpskohrvatskog književnog i narodnog jezika, Gradja, razni spisi i umetnost, Zbornik istorije književnosti, Predavanja.*

FULL MEMBERS:

ANDREJEVIC-KUN, DJORDJE, painter.
ANDRIĆ, IVO, writer.
ARNOVLEJEVIĆ, VOJISLAV, cardiologist.
BARTOS, MILAN, jurist.
BILIMOVIĆ, A., mathematician.
BOGDANÓVIC, MILAN, writer.
BUDIMIR, MILAN, classical philologist.
CUBRILOVIC, VASA, historian.
DEROKO, ALEKSANDAR, architect.
DINIĆ, MIHAILO, historian.
DJORDJEVIC, JOVAN, jurist.
DJURIC, MILOS, classical philologist.
DJURIČIC, ILIJA, physiologist.
DOBROSAVLJEVIC, SLOBODAN, engineer.
GLIGORIC, VELIBOR, writer.
JOSIFOVIC, MLADEN, phytopathologist.
KARAMATA, JOVAN, mathematician.
KARDELJ, EDVARD, sociologist.
KAŠANIN, RADIVOJE, mathematician.
KOLENDIĆ, PETAR, literary historian.
KONJOVIĆ, PETAR, composer.
KOSTIC, MILIVOJE, surgeon.
KRLEZA, MIROSLAV, writer.
LAZAREVIC, DJORDJE, engineer.
LUBARDA, PETER, painter.
LUKOVIC, MILAN, geologist.
MARTINOVIC, PETAR, biologist.
MICOVIC, VUKIC, chemist.
MILOJEVIC, BORIVOJE, geographer.
MILOSAVLJEVIC, MIODRAG, engineer.
MILUNOVIC, MILO, painter.
MIŠKOVIĆ, VOJISLAV, astronomer.
NEDELJKOVIĆ, DUŠAN, philosopher.
NOVAK, VIKTOR, historian.
OBRADOVIC, ILIJA, engineer.
OSTROGORSKI, GEORGIJE, Byzantine historian.
PAVLOVIC, DRAGOLJUB, literary historian.
PAVLOVIĆ, STOJAN, mineralogist.
PETKOVIĆ, KOSTA V., geologist.
PETROVIĆ, VELJKO, writer.
RADOJČIĆ, NIKOLA, historian.
RAJICIC, STANOJLO, composer.
SAVIĆ, PAVLE, physicist.
SIMIĆ, CEDOMIR, physician (parasitologist).
SPUZIC, VLADIMIR, physicist.
STANKOVIĆ, SINIŠA, zoologist.
STEFANOVIC, DJORDJE, chemist.
TADIC, JORJO, historian.
TODOROVIĆ, KOSTA, physician (infectious diseases).
TUDUNDZIC PANTA, chemist.
VUJEVIC, PAVLE, geographer.
VUKDRAGOVIC, MIHAILO, composer.
ZIVANOVIĆ, TOMA, jurist.

SOCIETIES AND ASSOCIATIONS

FEDERAL

Association of the Librarians' Societies of the F.S.R. of Yugoslavia: Belgrade, Terazije 26.

Association of the Mathematicians' and Physicists' Societies of the F.S.R. of Yugoslavia: Belgrade.

Association of the Physicians' Societies of the F.S.R. of Yugoslavia: Belgrade.

Pedagogical Society of the F.S.R. of Yugoslavia: Belgrade.

Federation of Engineers and Technicians of Yugoslavia: Belgrade, Kneza Miloša 7/1, P.O.B. 648; six territorial sub-divisions and thirteen professional sub-divisions; Chair. Ing. MILUN IVANOVIČ; publ. *Tehnika* (monthly).

Comprises the following federations, etc.:

Territorial:
Federation of Engineers and Technicians of Serbia.
Federation of Engineers and Technicians of Croatia.
Federation of Engineers and Technicians of Slovenia.
Federation of Engineers and Technicians of Bosnia and Herzegovina.
Federation of Engineers and Technicians of Macedonia.
Federation of Engineers and Technicians of Montenegro.

Professional:
Union of the Societies of Architects of Yugoslavia.
Union of Geodesy Engineers and Geometricians of Yugoslavia.
Union of the Societies of Civil Engineers and Technicians of Yugoslavia.
Union of the Societies for Protection of Materials of Yugoslavia.
Union of Mechanical and Electrical Engineers and Technicians of Yugoslavia.
Union of Agricultural Engineers and Technicians of Yugoslavia.
Union of Mining and Metallurgical Engineers and Technicians of Yugoslavia.
Union of Circulation and Transport Engineers and Technicians of Yugoslavia.
Union of Textile Engineers and Technicians of Yugoslavia.
Federation of Chemical Technologists of Yugoslavia.
Federation of Forestry Societies of Yugoslavia.
Yugoslav Society for Mechanics.
Yugoslav Society for Metal Construction.

Union of Jurists' Associations of Yugoslavia: Belgrade, Proleterskihbrigada 74, P.O. Box 179; f. 1947; aims include: the study and elaboration of the principles of socialist democracy and law of the Republic, and co-operation with the foreign and international legal organisations; Pres. VLADIMIR SIMIC; 10,000 mems.; publs. include *The New Yugoslav Law.*

SERBIA

Association of Jurists of the S.R. of Serbia: Belgrade.

Association of Pharmacists of the S.R. of Serbia: Belgrade.

British Council, The: Prvog Maja 34, Belgrade; G. L. H. HITCHCOCK, O.B.E.

Centre Culturel Français: Zmaj Jovina 11, Belgrade; Dir. P. DUFOUR.

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Društvo za Srpski Jezik i Književnost (*Society of Serbian Language and Literature*): Belgrade University; f. 1910; Pres. P. STEVANOVIĆ; Sec. D. PAVLOVIĆ; publs. *Pritozi za knjizevnost, jezik, istorija i folklor.*

Economists' Society of the S.R. of Serbia: Belgrade, Nusićeva 6-III, P.O. Box 490; f. 1944; Pres. BOGOLJUB STOJANOVIĆ; publ. *Ekonomika preduzeća* (monthly).

Federation of Economists' Societies of Yugoslavia: Belgrade, Nusićeva 6-III; f. 1945; Pres. VOJIN GUZINA; publ. *Ekonomist* (quarterly).

Historical Society of the S.R. of Serbia: Belgrade.

Librarians' Society of the S.R. of Serbia: Belgrade, Knez Mihajlova 56; f. 1947; publ. *Bibliotekar* (The Librarian; quarterly); Pres. ČEDOMIR MINDEROVIĆ.

Linguistic Society: Belgrade University; f. 1920; Pres. A. BELIĆ; Sec. M. MOSKOVLJEVIC.

Matica Srpska (*Serbian Society*): Novi Sad; f. 1826; literary, scientific and publishing society; Sec. ŽIVAN MILISAVAC; publ. *Letopis Matice Srpske* and *Proceedings* (in the following series: natural sciences, social sciences, literature and language, philology and linguistics).

Mathematical and Physical Society of Serbia: Belgrade, P.O. Box 791; f. 1948; member of the Union of Mathematical and Physical Societies of Yugoslavia; Head of the Information Department Prof. D. S. MITRINOVITCH; publs. *Vesnik Društva matematičara i fizičara Narodne Republike Srbije* (Bulletin of the Mathematical and Physical Society of Serbia), *Nastava matematike i fizike* (The Teaching of Mathematics and Physics).

"Nikola Tesla" Society: Belgrade, P.O. Box 359; helps to develop and popularise the technical sciences, as applied in industry and agriculture, and edits the technical review *Tesla*, with contents in English.

Pedagogical Society of the S.R. of Serbia: Belgrade, Terazije 26; f. 1923, reorganised 1950; 300 mems.; Pres. STEVAN FILIPOVIĆ; publs. *Nastava i vaspitanje* (Teaching and Education); *Pedagoška biblioteka* (Pedagogical Library), *Pedagoške sveske* (Pedagogical Volumes).

Scientific and Literary Committee of Yugoslavia: Belgrade University; Pres. MIODRAG IBROVAC.

Serbian Chemical Society: Belgrade, Bd. Karnegijeva 4; . 1897; Pres. MILOŠ MLADENOVIĆ; Gen. Sec. ALEKSANDAR R. DESPIĆ; publs. *Glasnik hemijskog društva Beograd* (Bulletin).

Serbian Geological Society: Belgrade University, Geological Institute; f. 1891; 210 mems.; Pres. BRANKO DIMITRIJEVIĆ; publ. *Zapisnici srpskog geološkog društva* (Report of the Serbian Geological Society).

Serbian Geographical Society: Belgrade, Studentski Trg. 3; f. 1910; Chair. M. S. VASOVIĆ; publs. *Bulletin* (twice a year), *Mémoires, Editions Speciales.*

Serbian Physicians' Society: Belgrade.

Serbian Society for Slavic Studies: Belgrade.

Society for Research and Prevention of Cancer: Belgrade.

Srpsko biološko društvo (*Biological Society of Serbia*): Belgrade, Trg. Terazije 10; f. 1922; Pres. Dr.MILORAD TANKOVIĆ; Secs. Dr. IAKOV DANON, Dr. BOŽIDAR DJORDJERIĆ, Ivo SAVIĆ; publ. *Archives of Biological Sciences.*

Union of the Societies of Engineers and Technicians of the S.R. of Serbia: Belgrade, 7 Kneza Miloša; f. 1945; 8,014 mems.; Pres. V. DRAGOVIĆ; Vice-Pres. B. NEŠOVIĆ; Sec. S. VUJADINOVIĆ; publ. *Tehnika* (monthly).

U.S. Information Service: 19 Cika Ljubina, Belgrade; Reading Room at Narodnih Heroja 5, Novi Sad.

CROATIA

Association of Jurists of the S.R. of Croatia: Zagreb.

British Council, The: Ilica 12, Zagreb.

Economists' Society of the S.R. of Croatia: Zagreb.

Geographical Society of Croatia: Zagreb, Marulićev Trg 19; f. 1947; 730 mems.; Dir. Dr. JOSIP ROGLIĆ; publs. *Geografski glasnik* (annual), *Geografski horizont* (quarterly).

Hrvatsko Prirodoslovno Društvo (*Croatian Society of Natural Sciences*): Zagreb, Ilica 16; f. 1885; Pres. Dr. S. SREMEC; Secs. M. BUTORAC, L. RANDIĆ; publs. *Priroda* (Nature), *Biology Archives*, collection of scientific works on natural history, etc. The Society has the following six sub-sections:

Kemijsko Društvo (*Society of Chemists*): publ. *Archiv za Kemiju.*

Astronomsko-Geofizička Sekcija (*Section of Astronomy and Geophysics*): Astronomical Amateur Observatory, Zagreb, Opatička 22.

Društvo matematičara i fizičara (*Society for Mathematics and Physics*): publ. *Glasnik Matematike, Fizike i Astronomije* (Bulletin for Mathematics, Physics and Astronomy).

Biološka Sekcija (*Biological Section*).

Section for the Protection of Nature.

Astro-nautical Section.

Institut Français: Zagreb; Dir. MAURICE JORDY.

Library Association of the S.R. of Croatia: Zagreb, University Library; its object is to promote librarianship in Croatia; publ. *Vjesnik bibliotekara Hrvatske.*

Matica Hrvatska (*Croatian Society*): Zagreb, Matičina ul. 2; f. 1842; literary and publishing society; Chair. Prof. JAKŠA RAVLIĆ; Sec. JOŽA HORVAT; publ. *Kolo.*

Museum Society of Croatia: Zagreb, Trg. Maršala Tita 10; Pres. ZDENKA MUNK; Sec. VANDA LADOVIĆ; publ. *News of Museum Keepers and Conservator Scientists of Croatia (Yugoslavia)* (every two months).

Numismatic Society: Zagreb, Gunduliceva ul. 14/1; f. 1930; Pres. Dr. Ivo MEIXNER; publs. *Numizmatika, Numizmaticke Vijesti.*

Pedagogical and Literary Union: Zagreb, Trg. M. Tito 4; mem. of the Union of Pedagogical Societies of Yugoslavia, Belgrade.

Pharmacists' Society of the S.R. of Croatia: Zagreb, Masarykova 2; f. 1946; 1,150 mems.; Chair. BOŽIDAR ŠTRAUS, D.PHARM., PH.C., Milit. Pharm. Col.; Vice-Chairs. RADOVAN DAMAŠKA, PH.C. and SELMA DERENČIN, PH.C.; Secs. MARIJA MOVRIN, D.PHARM., PH.C. and KRUNOSLAV BOŽIĆ, PH.C.; publ. *Farmaceutski Glasnik* (monthly).

Physicians' Association of Croatia: Zagreb.

Society for Promoting the Activities of the Technical Museum of Croatia: Zagreb, Savska c.18; f. 1955; Pres. Ing. HERMAN MATTES; Sec. PREDRAG GRDENIĆ.

Students' Society for Scientific Work: Zagreb.

Union of the Societies of Engineers and Technicians of the S.R. of Croatia: Zagreb.

SLOVENIA

Association of Mathematicians and Physicists of Slovenia: Ljubljana, P.O. Box 227; f. 1949; Chair. Dr. A. VADNAL; publ. *Obzornik za matematiko in fiziko* (quarterly).

Društvo za raziskvanje jam Slovenije (*Slovene Society for the Exploration of Caves*): Postojna; f. 1910; Pres. Dr. IVAN GAMS; Sec. PETER HABIČ.

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Geografsko društvo Slovenije (*Geographical Society of Slovenia*): Ljubljana, University of Ljubljana; f. 1922; 520 mems.; Sec. JELKA KUNAVER; publ. *Geografski Vestnik*.

Historical Society for Slovenia: Ljubljana, Turjaska 1; f. 1839, reorganised 1946; Chair. Dr. FRAN ZWITTER; publ. *Historical Review* (quarterly).

Matica Slovenska (*Slovenian Society*): Ljubljana, trg. revolucije 7; f. 1864; literary and publishing society.

Pedagogical Society of the S.R. of Slovenia: Ljubljana, Gosposka Ulica 3.

Sklad Borisa Kidriča (*Boris Kidric Foundation*):Cankarjeva ul. I-III, Lubljana; f. 1953; awards prizes for the best scientific works written by Slovene authors, and prizes for technological inventions; also grants university scholarships and finances scientific research; Pres. Ivo TAVČAR, Sec. VLADO DERNAČ.

Society for Natural Sciences: Ljubljana, Novi trg. 4/IV; f. 1934; Sec. SCHAUER PRIMOŽ; publs. *Proteus, Biološki Vestnik*.

Society for Slavic Studies of Slovenia (*Slavistično društvo Slovenije*): Ljubljana; f. 1935; Chair. Dr. DUŠAN PIRJEVEĆ; publs. 1938-41, *Slovenski jezik* (The Slovene Language), 1948-, *Slavisticna revija* (Slavic Review; annual), 1955-, *Jezik in slovstvo* (Language and Literature; ten times a year).

Association of Engineers and Technicians of the S.R. of Slovenia: Evjavčeva 15, Ljubljana; organises conferences, lectures, exhibitions.

Society of Jurists of the S.R. of Slovenia: Ljubljana, Tavčarjera 9; f. 1947; 1,048 mems.; Sec. Dr. TEODOR TOMINŠEK; publ. *Jurist*.

Students' Society for Scientific Work: Ljubljana.

Umetnostnozgodovinsko društvo sr Slovenijo (*Society of Historians of Art for Slovenia*): Aškerčeva 12/III, Ljubljana; f. 1921; Chair. Dr. NACE SUMI; publs. *Archives d'Histoire de l'Art, Zbornik za umetnostnozgodovino*.

BOSNIA AND HERZEGOVINA

Geographical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Historical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Librarians' Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Mathematicians' and Physicists' Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Pedagogical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Physicians' Society of the S.R. of Bosnia and Herzegovina: Sarajevo; promotes medical science; assists Government and mass organisations in medical education of the people.

Society of Engineers and Technicians of the S.R. of Bosnia and Herzegovina: Sarajevo.

Society of Jurists of the S.R. of Bosnia and Herzegovina: Sarajevo.

MACEDONIA

Geographical Society of the S.R. of Macedonia: Skoplje, Geographical Institute; f. 1949; 200 mems., Sec. DUŠAN MANAKOVIĆ.

Librarians' Society of Macedonia: Skoplje; f. 1948; the society is responsible for the organisation of popular and scientific libraries in Macedonia.

Mathematicians' and Physicists' Society of the S.R. of Macedonia: Skoplje; f. 1950; Sec. Dr. BLAGOY POPOV; publ. *Bulletin*.

Medical Association of Macedonia: Skoplje.

Pharmacists' Society of the S.R. of Macedonia: Skoplje.

Society of Engineers and Technicians of the S.R. of Macedonia: Skoplje.

Society of Jurists of the S.R. of Macedonia: Skoplje.

MONTENEGRO

Historical Society of the S.R. of Montenegro: Cetinje.

Physicians' Society of the S.R. of Montenegro: Cetinje.

Society of Engineers and Technicians of Montenegro: Titograd; f. 1946; Chair. LEKO RADOVIC.

Society of Jurists of the S.R. of Montenegro: Titograd.

RESEARCH INSTITUTES

FEDERAL

BELJE Agricultural-Industrial Combine: Mece-Darda.

Federal Institute for Livestock Breeding: Belgrade, Zemun Polje; f. 1947.

Federal Institute for the Mechanisation of Agriculture: Zemun.

Federal Station for the Selection of Industrial Crops: Pančevo.

Federal Station for the Selection of Sugar Beet: Aleksinac.

Institute for Plant Protection: Belgrade, T. Drajzera 9, P.O.B. 936; f. 1945; depts. of Entomology, Phytopathology, Weed Control, Phytopharmacy, Fungicides; Dir. Prof. Dr. MLADEN JOSIFOVIĆ; publ. *Zaštita bilja* (six issues yearly).

Jugoslovenski Bibliografski Institut (*Yugoslav Bibliographic Institute*): Belgrade, Terazije 20, P.O. Box 26; f. 1949; publishes the Bibliography of Yugoslavia, which includes books, pamphlets, music scores and articles of literary, scientific interest, philology, art and sport; practices the exchange of publications with other countries; Dir. MILUTIN IVANUŠIĆ.

Poljoprivredni Institut (*Agricultural Institute*): Osijek, Vukovarska ćesta 70/a; f. 1922; library of 3,019 vols.; Dir. Doc. Ing. ZVONIMIR MADJARIĆ.

Savezni Institut za zaštitu spomenika kulture (*Federal Institute for the Preservation of Historical Monuments*): Belgrade, Gospodara Vučića 50/1; f. 1950; research into, and preservation of cultural possessions (paintings, museum objects, murals, architecture, etc.); Dir. VLADO MADARIĆ; Head, Architecture Dept. IVAN ZDRAVKOVIĆ: Head, Paintings Dept. (Vacant); Head, Physical and Chemical Laboratory MIHAILO VUNJAK; Dept. of History of Art, Ethnology and Archaeology; Depts. of Law, Documentation, Photographic Laboratory; library of 7,500 vols.; publs. *Zbornik zaštite spomenika kulture*, annuals, summaries in French, English and German, special reports.

In addition to seven Federal Agricultural Institutes listed above, each republic and autonomous province operates a number of research stations dealing with local agricultural problems.

FEDERAL NUCLEAR ENERGY INSTITUTES

Institut za Nuklearne Nauke "Boris Kidrič" (*Boris Kidrič Nuclear Energy Institute*): Vinča, nr. Belgrade; Dir. Ing. VOJISLAV BABIĆ.

Institut "Rudjer Bošković" (*Rudjer Bošković Institute*): Bijenička Cesta 54, Zagreb; Dir. Dr. Ing. TOMA BOSANAC.

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Nuklearni Institut "Jožef Stefan" (*Jožef Stefan Institute*): Jamova Cesta 39, Ljubljana; Dir. Dr. Milan Osredkar.

Serbia

Astronomska Opservatorija u Beogradu (*Astronomical Observatory of Belgrade*): Belgrade, Volgina 7; f. 1887, reformed 1932; library of 8,760 vols.; Dir. Dr. Y. Oskanjan; publ. *Bulletin*.

Botanical Institute and Garden of the University: Belgrade, Takovska 43; Dir. Prof. V. Blečić; publ. *Bulletin*.

Higijenski Institut S.R.S. (*Institute of Hygiene of the Socialist Republic of Serbia*): Belgrade, Bul. Jugoslovenske Nar. Armije 12; f. 1919; library of 25,000 vols; Dir. Dr. D. Antonijević; publs. *Glasnik*, series of *Monographs*.

Meteorološka opservatorija Beograd (*Meteorological Observatory*): Belgrade, Bul. Oslobodjenja 12; f. 1887; Dir. Dr. Pavle Vujević; publ. *Meteorological Bulletin*.

Seismological Institute: Belgrade; f. 1906; Dir. Prof. J. Mihailović; Asst. Dir. D. N. Trajić; publs. *Annuaire macromismique et microsismique, Bulletin mensuel, Studies*.

University Geological Institute: Belgrade University. Kamenička 6; f. 1880; Dir. Prof. Kosta V. Petko; vič; publ. *Annales géologiques de la péninsule balkanique*.

Croatia

Geofizički institut Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu (*Geophysical Institute, Faculty of Sciences, Zagreb University*): Zagreb 1, Grič 3; incorporating the former Geofizički Zavod; f. 1861; Dir. Prof. Dr. B. Maksić; publs. *Radovi* (Papers, 3rd Series), *Seismological Bulletin, Meteorological Bulletin*.

Hidrometeorološki Zavod Socijalističke Republike Hrvatske *Hydro-Meteorological Institute of the Socialist Republic of Croatia*): Zagreb, Grič 3; f. 1947; Dir. Ing. M. Šikić; publs. *Annual Report of the Meteorological Mountain Observatory Sljeme, near Zagreb, Material for the Climate of Croatia, Monthly Weather Bulletin, Memoirs, Annual Report of the Meteorological Observatory Marjan-Split*.

Institut za povijest prirodnih, matematičkih i medicinskih nauka (*Institute for the History of Natural, Mathematical and Medical Sciences*): Demetrova 18, Zagreb III, P.O. Box 20; f. 1959 by the Yugoslav Academy of Sciences and Arts; incorporates Department of the History of Medicine of the Yugoslav Academy, Institute of the History of Pharmacy of the Pharmaceutical Society of Croatia, Institute of the History of Medicine of the University of Zagreb, Cabinet for the History of Veterinary Medicine, Museum of the Society of Physicians of Croatia and the Bošković Museum; independent scientific institution to foster research into the history of science, especially that of southern Slavs; plans to study problems of methodology, to organise at Zagreb higher education for the study of the history of science, to collaborate with analogous institutes at home and abroad; three sections: History of Medicine and Natural Science, History of Pharmacy and Chemistry, History of Mathematical and Physical Sciences (Bošković Museum on Lokrum Island, nr. Dubrovnik (Raguse), attached to latter section); Pres. of Admin. Council Prof. Dr. Željko Marković; Dir. Prof. Dr. Mirko Dražen Grmek; Scientific Collaborators Prof. Dr. Lavoslav Glesinger, Prof. mr.ph. Dr. Hrvoje Tartalja, mr.ph. Renata Peroš, Dr. Žarko Dadić, Antun Dorn.

Institute for National Art: Zagreb, Socijalističke revolucije 17; f. 1948; Dir. Zoran Palčok; there are three sections: Music and Dancing, Literature, Folk Customs.

Institute for the Preservation of Historical and Cultural Monuments: Zagreb, Opatička Street 8; f. 1910; library of 4,730 vols.; photo collection of 45,000 pos. and 26,000 negs.; Dir. Rade Vlkov.

Institute for the Preservation and Scientific Study of Historical Monuments and Nature of the Socialist Republic of Croatia: Zagreb, 8 Opaticka Street; f. 1961; library of 1,029 vols.; photo collection of 3,780 pos. and 3,402 negs.; Dir. Ratko Kevo, o.f.

Institute for the Preservation and Scientific Study of Historical Monuments in Dalmatia: Split, Zrinjsko-Frankopanska ul. 13; f. 1854; Dir. Dr. Cvito Fisković; Sec. Edgar Gross; publ. *Prilozi povijesti umjetnosti u Dalmaciji*.

Institut za Oceanografiju i Ribarstvo (*Institute of Oceanography and Fisheries*): Split; f. 1930; carries out research in oceanography, hydrography, geology, marine biology, marine fisheries, ichthyology, and fishery technology; has 11 laboratories and a staff of 16 naturalists; Dir. Miljenko Buljan; publs. *Acta Adriatica, Fauna et Flora Adriatica, Izvješča Reports, Notes*.

Restauratorski Zavod (*Institute for the Restoration of Works of Art*): Zagreb, Braće Kavurića 1; f. 1948; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Acad. Prof. Marijan Detoni.

Zavod za Arhitekturu i Urbanizam (*Institute of Architecture and Urbanism*): Zagreb, Braće Kavurića 1; f. 1952; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Acad. Prof. Andre Mohorovičić.

Zavod za likovne umjetnosti Jugoslavenske Akademije znanosti i umjetnosti (*Institute for Fine Arts of the Yugoslav Academy of Sciences and Arts*): Zagreb, Braće Kavurića 1; re-established 1960; Dir. Acad. Prof. Andre Mohorovićić.

Slovenia

Meteorological Institute: Faculty of Sciences and Technology, The University, Ljubljana; Dir. Designate Dr. Marjan Čadež.

Zavod za spomeniško varstvo S.R. Slovenije (*Institute for the Preservation of Historical and Natural Monuments in the S.R. of Slovenia*): Ljubljana, Prežihova 1; f. 1913, reorganised 1919, refounded 1945; to preserve and study historical and archæological monuments, and local sites of historical, artistic, ethnological and sociological interest; ground maps, geographical maps, and a complete register of historical monuments in Slovenia; Pres. Turnher Edo; publs. *Varstvo spomenikov* (Preservation of Monuments).

Bosnia and Herzegovina

Institute for Modern Serbo-Croatian: Sarajevo.

Institute of Meteorology: Hadži Loje 4, Sarajevo; f. 1891; Dir. M. V. Vemić.

State Institute for the Preservation of Historical Monuments: Sarajevo, Vojvode Putnika 7; f. 1947; Dir. Šefik Bešlagić; publ. *Our Antiquities* (annual).

Macedonia

Economic Institute: Skoplje; f. 1947; Dir. Vančo Burzevski.

Institute for the Natural History of the S.R. of Macedonia: Skoplje.

Montenegro

Istoriski Institut S.R. Crne Gore (*Historical Institute*): Cetinje.

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LIBRARIES

Serbia

Socijalističku biblioteka—centralna za Narodnu Republiku Srbiju (*National Library—the Central Library for the Socialist Republic of Serbia*): Knez Mihailova 56, Belgrade; f. 1832; destroyed in 1941, restored after 1944; over 500,000 vols., 571 MSS.; Federal copyright and deposit library; Head ČEDOMIR MINDEROVIĆ.

Univerzitetska biblioteka "Svetozar Marković" (*University Library "Svetozar Marković"*): Bulevar Revolucije 71, Belgrade; its forerunner was the library of the Serbian Lyceum (1844), then the highest educational institution in Serbia; from the moment of its establishment the library was entitled to receive deposit copies from Serbia; about 455,120 vols., 15 incunabula, 28 old Serbian books, 253 Serbian and Oriental codices, 3,956 other MSS.; Head Ivo FROL.

Biblioteka Srpske akademije nauka i umetnosti (*Library of the Serbian Academy of Science and Art*): Knez Mihailova 35, Belgrade; f. 1842 by the Serbian Literary Society; more than 300,000 vols.; Head DANICA NIKOLIĆ.

Biblioteka grada Beograda (*Belgrade Town Library*): Zmaj Jovina 1, Belgrade; f. 1929; 80,000 vols., 399 MSS.; Head OLGA PERIĆ.

Biblioteka Matice srpske (*Library of the Matica srpska*): ul. Matice srpske 1, Novi Sad; f. 1847 in Budapest and transferred to Novi Sad in 1864; about 370,000 vols.

Narodna biblioteka "Žika Popovič" (*Public Library "Zika Popović"*): Sabac; f. 1847; over 60,000 vols.

Narodna biblioteka (*Public Library*): Požarevac; f. 1847; above 30,000 vols.

Narodna biblioteka (*Public Library*): Niš; f. 1903; about 90,000 vols.

Narodna biblioteka (*Public Library*): Kragujevac; f. 1866; about 50,000 vols.

Croatia

Nacionalna sveučilisna biblioteka (*National University Library*): Marulićev trg 21, Zagreb; its beginnings reach back as far as the first years of the 17th century; about 680,000 vols., 183 incunabula, about 4,900 rare Yugoslav books; Federal copyright and deposit library; Head MATKO ROJNIĆ.

Knjižnica Jugoslavenske akademije znanosti i umjetnosti (*Library of the Yugoslav Academy of Science and Art*): Zrinjevac 11, Zagreb; f. 1868; about 110,000 vols.

Gradska knjižnica (*Town Library*): Rooseveltov trg 4, Zagreb; f. 1907; over 106,000 vols.

Radnička biblioteka (*Workers' Library*): Lenjinov trg 2, Zagreb; f. 1926; over 61,000 vols.

Naučna biblioteka (*Research Library*): Dolac 1, Rijeka; f. about 1630; about 150,000 vols.

Naučna biblioteka (*Research Library*): 1. novembra 1944, br. 3, Zadar; f. 1850; about 200,000 vols.

Naučna biblioteka (*Research Library*): Tr Oslobodenja 1, Pula; f. 1930; about 180,000 vols.

Gradska biblioteka (*Town Library*): Zagrebaška 2, Split; f. 1903; 73,000 vols.

Naučna biblioteka (*Research Library*): Knežev dvor, Dubrovnik; f. 1936; about 92,000 vols., 76 incunabula, 913 MSS.

Gradska knjižnica i čitaonica "Sloboda" (*Town Library and Reading Club "Sloboda"*): Varazdin; f. 1919; 39,000 vols.

U.S. Library: Zrinjevac 13, Zagreb.

Slovenia

Narodna in univerzitetna knjižnica (*National and University Library*): Turjaška 1, Ljubljana; f. 1774; over 600,000 vols.; Federal copyright and deposit library; Head Dr. MIRKO RUPEL.

Biblioteka Slovenske akademije znanosti in umetnosti (*Library of the Slovene Academy of Science and Art*): Novi trg 3, Ljubljana; over 95,000 vols.; Librarian PRIMOŽ RAMOVS.

Muzejska knjižnica (*Museum Library*): Prešernova 20, Ljubljana; f. 1821; over 125,000 vols.

Slovanska knjižnica (*Slavic Library*): Gosposka 15/I, Ljubljana; f. 1901; over 56,000 vols.

Mestna ljudska knjižnica (*Town Public Library*): Gospodska 1, Ljubljana; f. 1911; over 75,000 vols.

Delavska knjižnica (*Workers' Library*): Prešernova 30, Ljubljana; f. 1926; over 73,000 vols.

Študijska knjižnica (*Research Library*): Prešernova 1, Maribor; f. 1903; over 120,000 vols.

Bosnia and Herzegovina

Narodna biblioteka NR Bosne i Hercegovine (*National Library of the P.R. of Bosnia and Herzegovina*): Obala 41 ,Sarajevo; f. 1945; 400,000 vols.; Federal copyright and deposit library; Head MITAR PAPIĆ.

Biblioteka Zemaljskog muzeja (*National Museum Library*): V. Putnika 7, Sarajevo; f. 1888; about 80,000 vols.

Gazi Husrevbegova biblioteka (*Gazi Husrevbeg Library*): Pariske komune 3, Sarajevo; f. 1537; the most important oriental library in Bosnia and Herzegovina; about 12,000 vols., 4,450 Islamic MSS., 3,189 documents.

Macedonia

Narodna i univerzitetska biblioteka na NR Makedonija (*National and University Library of the P.R. of Macedonia*): Kej Dim. Vlahov 49, Skoplje; f. 1944; 380,000 vols.; Federal copyright and deposit library; Head MITKE ZAFIROVSKI.

Narodna biblioteka na skopska okolija (*District of Skopje Public Library*): Goce Delćev 22, Skoplje; f. 1935; about 35,000 vols.

Gradska biblioteka (*Town Library*): Maršala Tita 89, Bitola; f. 1945; 27,000 vols.

Montenegro

Centralna narodna biblioteka NR Crne Gore (*Central National Library of the P.R. of Montenegro*): Njegoševa loo, Cetinje; f. 1946; about 170,000 vols.; Federal copyright and deposit library; Head Dr. NIKO MARTINOVIĆ.

Biblioteka Državnog muzeja NR Crne Gore (*Library of the National Museum of the P.R. of Montenegro*): Titov trg 7, Cetinje; f. 1926; over 20,000 vols.

Biblioteka Istorijskog instituta NR Crne Gore (*Library of the Historical Institute of the P.R. of Montenegro*): Nemanjina obala 4/I, Titograd; f. 1948, over 38,000 vols.

MUSEUMS AND ART GALLERIES

Belgrade

Belgrade City Art Gallery: Zmaj Jovina Street 1, P.O. Box 87; f. 1940.

Etnografski muzej (*Ethnographical Museum*): Studentski trg. 13; f. 1901, reorganised 1960; departments: Costumes and Textiles, Economy, Social Life, Houses and other buildings, Customs, Documentation, Con-

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servation; Dir. SPIRO KULIŠIĆ, PH.D.; publ. *Glasnik* (annually).

Gradski Muzej (*City Museum*): Zmaj Jovina Street 1, P.O. Box 87; f. 1938; Dir. SIMIC ZORICA.

Military Museum of the Yugoslav People's Army: Belgrade-Kalemegdan, Post Box 69; f. 1878, refounded 1934, and again 1945-47; there are three sections: (1) The struggle for national liberation of 1941-45; (2) The military history of the Yugoslav peoples up till 1918; (3) The evolution of weapons from the earliest times; Dir. ČEJUAN IDRIZ; publs. *Vesnik* (annually), first spec. edit. *Dnevnik iz Hercegovačkog Ustanka* 1875 (The Diary of the Uprising in Hercegovina), *Dubrovacka artiljerija* (The Dubrovnik Artillery).

Museum of Theatre Art: Jevremova 19; f. 1950; Dir. MILENA NIKOLIĆ.

Muzej Nikole Tesle (*Nikola Tesla Museum*): Proleterskih brigada 51; f. 1952; Dir. KORAĆ VELJKO.

Muzej primenjene umetnosti (*Museum of Applied Arts*): Vuka Karadžića 18; Dir. NADA ANDREJEVIĆ-KUN.

Narodni muzej (*Museum of Art and Archæology*): f. 1884; archæological and historical collections, and an art gallery; library of 27,000 vols.; Dir. Dr. LAZAR TRIFUNOVIĆ; Sec. M. STEVANOVIĆ; Librarian D. MARINKOVIĆ.

Prirodnjački muzej u Beogradu (*Belgrade Natural Science Museum*): Njegoševa 51; f. 1901; botanical, geological, mineralogical and zoological collections; library of 50,000 vols.; Dir. BRANISLAV GOJKOVIĆ; publ. *Glasnik Prirodnjačkog muzeja u Beogradu* (Report).

Railroad Museum of F.S.R. of Yugoslavia: 6 Nemanjina ulica, Belgrade; f. 1950; there are five depts.; library of 15,000 vols.; archives section being formed; Dir. D. S. JANKOVIĆ; publ. *Through History of Yugoslavian Railways in Pictures.*

Banja Luka

Muzej Bosanske Krajine (*Museum of Basanska Krajina Region*): Regional museum for north-west Bosnia; f. 1930; Departments of Archæology, History, Ethnography, National Revolution; Dir. BRANKO SURUČIĆ.

Brežice

Posavski muzej (*Provincial Museum*): f. 1940; collection of archæological exhibits from Neolithic times to the early Middle Ages; also ethnographical collection; historical section: Slovene-Croat peasants' revolt 1573 and Slovene national struggle for liberation 1941-45; Baroque painting and frescoes; Dir. STANKO SKALER.

Celje

Mesni muzej (*City Museum*): Muzejski trg 1; archæological, cultural, ethnographical and historical museums.

Cetinje

Državni muzej (*State Museum*): Titov trg.; depts. of history, ethnography, archæology, arts; Dir. RISTO DRAGICEVIC.

Njegošev muzej (*Njegoš's Museum*): Dir. JANKO LEPIČIĆ.

Dubrovnik

Museum of the Serbian Orthodox Church: Od Puća 2; f. 1953; collection of portraits, and over 170 icons from Serbia, Crete, Corfu, Venice, Russia, Greece, Dubrovnik, Boka-Kotorska; the palace which houses the collection is also of historical interest and there is a library of 25,000 vols.

Kotor

Pomorski muzej (*Maritime Museum*): Kotor; dept. of ethnography and history; Dir. IGNJO ZLOKOVIĆ.

Ljubljana

Državni arhiv L.R. Slovenije (*Central State Archives*): Levstikov trg. 3; f. 1945; collection of important archives, especially those connected with the territory populated by Slovenes from the 13th century onwards; MSS.

Slovenski Etnografski muzej (*Ethnographical Museum*): Prešernova cesta 20; f. 1923, reorganised 1963; Slovene and non-European ethnographic collection; Dir. Prof. BORIS KUHAR; publ. *Slovenski etnograf* (annual).

Mestni muzej (*Municipal Museum*): Gosposka 15; f. 1935; cultural history museum of Ljubljana; collections include furniture from the Gothic period to the Biedermeierzeit, arts and crafts, topography, and war history; archæological dept. containing articles from lake dwellings of the Celtic-Illyrian period, and from the period of Roman domination (Emona); Dir. (vacant); publs. *Guide through Emona* (in Slovene, with detailed summary in French), *Guide through the Municipal Museum of Ljubljana* (in Slovene).

Moderna galerija (*Modern Art Gallery*): Cankarjeva 19; Office: Tomšičeva 14; f. 1947; permanent collection of contemporary Yugoslav art from the Impressionists to the present day; organises regular art exhibitions; photography department; art library of 3,900 vols.; Dir. Prof. ZORAN KRŽIŠNIK; publs. *Monographs, Catalogues, Reviews.*

Muzej narodne osvoboditve LRS (*National Liberation Museum*): Celovška c. 23; f. 1944 to collect all important archives, museum objects and library material from the War of Liberation, 1941-45; a permanent exhibition opened in 1955, depicting the struggle of the Slovene people for liberation; Dir. FRANC KRESE.

Narodna galerija (*National Art Gallery*): Cankarjeva 20; f. 1918, reorganised 1933, nationalised 1946; collections of paintings, sculptural and graphic arts from the 13th century to the Impressionists; collection of gothic sculptural arts, middle-age frescoes and imitations of gothic frescoes from Slovenia; collection of foreign renaissance and baroque paintings; collection of photographs, negatives and prints; photo-documentation of works of art from Slovenia; library of 3,000 vols.; Dir. Dr. KAREL DOBIDA; publs. manuals, catalogues.

Narodni muzej (*National Museum*): P.O. Box 529-X; f. 1821; Departments of archæology and prehistory; history of applied arts; coins and medals; graphic arts; library of 120,000 vols.; branches: Museum of Bled (Medieval Castle and church); Dir. Dr. JOŽE KASTELIC; publs. *Situla, Catalogi Archaeologici Sloveniae, Argo.*

Prirodoslovni muzej (*Natural History Museum*): Prešernova 20; first founded 1831, became separate institution 1944; studies and gives its protection to natural phenomena; exhibits are displayed according to an ecological classification; the exhibition is composed of 115 dioramas with mixed zoological, botanical, paleontological samples; library of 4,784 vols.; Dir. Dr. ANTON POLENEC; publs. *Guide, Narava v muzeju* (Nature in the Museum).

Slovenski šolski muzej (*Slovenian School Museum*): Poljanska 28; f. 1938 to collect school documents and pedagogic books from the 12th century onwards; collection of records of cultural workers killed during the 1941-45 war; over 10,354 exhibits; library of 27,053 vols.; permanent exhibitions of development of schools in Slovenia; Dir. FRANCE OSTANEK.

Zemljepisni muzej Slovenije (*Geographical Museum of Slovenia*): Trg. francoske revolucije 7; f. 1946; maps of Slovenia, geographical collections, and exhibitions; library to be founded; Dir. Dr. VLADIMIR KLEMENČIČ.

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Maribor

Pokrajinski muzej (*Country Museum*): f. 1920 from collections of the Maribor Museum, the historical societies, and the Episcopal Museum; archæological, ethnographical, historical, topographical, and art exhibits; Dir. Bogo Tepli.

Novi Sad

Art Gallery of Matica Srpska: f. 1847; collection of Serbian art from 18th century; Dir. Milivoj Nikolajević.

Vojvodjanski muzej: f. 1947; sections: archæology, ethnology, history; Dir. Rajko Nikolić; publ. *Rad vojvodjanskih muzeja.*

Ptuj

Mesni muzej (*City Museum*): f. 1945 from collections at the historic Ptuj castle, and the Ptuj Museum Society (f. 1893); prehistoric, Roman, Old Slavonic and Feudal periods; ecclesiastical art, folklore, three temples of Mithras; Dir. Franjo Gumilar. Also includes:

Wine Museum: f. 1946.

Museum of the Struggle for National Independence.

Rijeka

Prirodoslovni mujej (*Natural Science Museum*): Setalište Vladimira Nazora 3; Dir. Prof. Gudac Zdravko.

Sarajevo

Zemaljski Muzej Narodne Republike Bosne i Hercegovine (*Bosnian and Herzogovinian Country Museum*): f. 1888; prehistoric, Roman, Greek and Medieval periods, ethnological, botanical, zoological, geological sections; botanical garden; library of 70,000 vols.; Dir. Alojz Benac; publs. *Glasnik Zemaljskog muzeja* (annual), *Novitates Musei Sarajevoensis* (occasional), *Srednjovjelovni nadgrobni spomenici Bosne i Hercegovina* (oaccasional), *Posebna izdanja* (occasional), *Katalog prehistorijske zbirke* (occasional).

Škofja Loka

Muzej: Puštal Castle; f. 1937 by the museum club of Škofja Loka; special collection of exhibits relating to the Freising dominion (973-1803); ethnographic, topographic, natural history and historical exhibits; records of altars from 17th century, exhibits of medieval guilds; relics of the struggle for national liberation; Pres. Dr. Andrej Pavlovec.

Skoplje

Art Gallery: f. 1948; Yugoslav medieval and modern art; Dir. Nikola Martinoski.

Etnoloski muzej (*Ethnological Museum*): Ploštad Maršal Tito 18 III; f. 1949; Dir. Véra Kličkova.

Prirodo-naučen muzej (*Natural History Museum*): f. 1926; Dir. Grupče K. Risto; publs. *Acta musei macedonici, Scientiarum naturalium et Fragmenta balcanica.*

Split

Arheološki muzej (*Archæological Museum*): Zrinjsko-Frankopanska 13; f. 1820; prehistoric collections, relics from the Greek colonies on the east shore of the Adriatic Sea, Roman and Christian relics from Salonae and Dalmatia; Croatian medieval monuments from 9th to 13th century; library of 17,000 vols.; Dir. Dr. Branimir Gabričević; publ. *Vjesnik za archeologiju i historiju dalmatinsku* (*Bulletin d'archéologie et d'histoire dalmate*).

Etnografski muzej (*Ethnographical Museum*): Narod trg. 1; f. 1910; national costumes, jewels, weapons, and technological objects from Dalmatia; illustrations section and text-book library; Dir. Ilda Vidović Asst. Dirs. Jelena Gamulin, Žarka Kolin-Mladineo.

Galerija Meštrović (*Meštrović Gallery*): Moše Pijade 44; f. 1952; Dir. Prof. Josip Smrkinić.

Galerija umjetnina (*Art Gallery*): Lovretska 13; f. 1931; 2,000 paintings and sculptures; library of 5,000 vols.; Dir. Dr. Kruno Prijatelj; Curator Prof. Marija Tripković; publ. Collections of the Gallery (18 vols.).

Muzej Grada Splita (*City Museum of Split*): Žarkova ul. 5; f. 1946; library of 4,000 vols.; Dir. Prof. Duško Kečkemet.

Pomorski Muzej, Jugoslavenske akademije znanosti i umjetnosti (*Maritime Museum of Yugoslav Academy of Sciences and Arts*): Trg Braće Radića 7, P.O.B. 100; f. 1925; Dir. Capt. Oliver Fijo; Librarian (Vacant); library of 6,000 vols.; the museum's exhibitions record the maritime activity of the region of Middle and North Dalmatia from the prehistoric period to the present day.

Prirodoslovni muzej (*Museum of Natural Sciences*): f. 1924; three exhibition rooms: (i) exhibits illustrating the animal life of Dalmatia; (ii) palæontological material and metals relating to Dalmatia; (iii) exhibits showing the fauna of the Adriatic Sea; also collections of gastropods and coleoptera from Dalmatia; library of 1,700 vols.; Dir. Prof. Cvitanić Antun.

Subotica

Gradski muzej: f. 1892; sections: archæology, local history, art and ethnology (Slav and Hungarian), coins; library of 5,000 vols.; Dir. László Szekeres.

Zagreb

Arheološki muzej (*Archæological Museum*): Zrinjski trg. 19; f. 1953; Dir. Marcel Gorenc.

Croatian Schools' Museum (*Hrvatski školski muzej*): Trg Maršala Tita 4; f. 1901; Dir. Prof. Dr. A. Bauer; publ. *Archiv.*

Državni Arhiv (*State Archives*): Marulićev trg. 21; f. 1643; documents from 10th century to 1958, concerning the history of Upper Croatia and Slavonia; Dir. Bernard Stulli; publs. *Archivski vjesnik* (The Archive Courier), *Zaključci hrvatskoga sabora, Prothocolla Generalium Congregationum Statuum et Ordinum Regnorum Dalmatiae, Croatiae et Slavoniae.*

Etnografski muzej (*Ethnographical Museum*): Mažuranićev trg. 14; f. 1920; Dir. Prof. Marijana Gušić.

Galerije Grada Zagreba: Katarinski trg 2; f. 1947; Dir. Božo Bek; controls:

Galerija "Benko Horvat": Jezuitski trg 1.

Atelier Ivan Meštrović: Mletacka 8.

Galerija Primitivne Umjetnosti (*Gallery of Native Arts*): Soc. revolucije 17.

Galerija Suvremene Umjetnosti (*Gallery of Contemporary Arts*): Katarinski trg 2.

Geološko-paleontološki muzej (*Geological and Palæontological Museum*): Demetrova 1; f. 1846; library of 3,576 vols.; Curators Prof. Ivan Crnolatac, Prof. Melita Pavlovsky, Prof. Krešimir Sakač.

Glyptothèque: Medvedgradska 2; f. 1937; collection of plaster casts of antique and modern sculptures; under the control of the Institute of Fine Arts; Dir. Montani Miroslav.

Hygiene Museum: f. 1947; showing the development of medicine in Croatia.

Kabinet Grafika (*Print Room*): Braće Kavurića 1; f. 1951; 6,592 prints; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Acad. Prof. Krsto Hegedušić.

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Mineraloško-petrografski muzej (*Museum of Mineralogy and Petrography*): Demetrova ul. 1; f. 1846; Dir. Prof. Dr. Ljudevit Barić; Curator Vjekoslav Brajdić.

Muzej grada Zagreba (*City Museum of Zagreb*): Opatička 20; f. 1907; arranged so as to depict Zagreb from prehistoric times to 1835; library of 4,000 vols.; Librarian Milica Stilinovic; Dir. Dr. Franjo Buntak.

Muzej Narodne Revolucije (*The Peoples' Revolution Museum*): Zagreb, Trg Žrtava Fašizma; f. 1945; library of 4,500 vols.; Dir. Mane Trbojević.

Muzej Srba u Hrvatskoj (*Museum of the Serbs of Croatia*): Marinkovićeva 4; f. 1946; library of 30,000 vols.; Dir. Fedor Moačanin; Curators Vera Borčić, Marija Sercer; Librarian Divna Zečević.

Muzej za umjetnost i obrt (*Museum of Applied Arts*): trg Maršala Tita 10; f. 1880; 26 mems.; art library of 9,283 vols.; Dir. Prof. Zdenka Munk; publs. *Tkalčićev Zbornik* (Miscellaneous Works, relating to archæology, ethnology, history of art), *Muzej za umjetnost i obrt Monografija* (Museum monograph), Catalogues of temporary exhibitions.

Povijesni muzej Hrvatske Jugoslavenske akademija znanosti i umjetnosti (*Yugoslav Academy of Sciences and Arts, Historical Museum of Croatia*): Matoševa 9; f. 1846; Acting Dir. Prof. Dr. Ferdo Culinovic.

Strossmayerova galerija starih majstora (*Strossmayer's Gallery of Old Masters*): Zrinski Trg 11/II; f. 1884; 13th to 19th centuries; Dir. Prof. Ljubo Babić; under the control of the Yugoslav Academy of Sciences and Fine Arts.

Tehnički muzej (*Technical Museum*): Savska c.18; f. 1954; Dir. Predrag Grdenić.

Zoološki muzej (*Zoological Museum*): Demetrova 1/11; f. 1846; library of 13,820 vols.; Dir. Dr. Stjepan Canadjija; publ. *Biološki Glasnik* (Biology Journal).

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STUDENTSKI TRG 1, BELGRADE

Telephone: 625-186

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Vice-Rectors: Dr. Dragomir Malić, Dr. Zoran Pjanić and Dr. Branimir Janković.
General Secretary: Momir Jovanović.

Number of teachers: 2,708.
Number of students: 45,306.

Deans:

Faculty of Agriculture (Belgrade): Lazar Avramov.
Faculty of Architecture (Belgrade): Branislav Kojić.
Faculty of Economics (Belgrade): Radmila Stojanović.
Faculty of Economics (Titograd): Mirčeta Djurović.
Faculty of Civil Engineering (Belgrade): Živko Vladisavljević.
Faculty of Electrical Engineering (Belgrade): Jovan Surutka.
Faculty of Engineering (Niš): Dragoljub Macura.
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Faculty of Mechanical Engineering (Belgrade): Pavle Stanković.
Faculty of Medicine (Belgrade): Julijana Bogićević.
Faculty of Medicine (Niš): Nikola Djuknić.
Faculty of Mining and Geology (Belgrade): Dragutin Prosen.
Faculty of Mining and Metallurgy (Bor): Mladen Gajić.
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Faculty of Philosophy (Belgrade): Ivan Božić.
Faculty of Philosophy (Priština): Branko Veljković.
High School of Physical Education (Belgrade): Janko Kavčić.
Faculty of Sciences (Belgrade): Pavle Radoman.
Faculty of Stomatology (Belgrade): Branko Kesler.
Faculty of Technology (Belgrade): Milan Pajević.
Faculty of Transport (Belgrade): Slavko Suvajdžić.
Faculty of Veterinary Medicine (Belgrade): Isidor Savić.

Professors:

Faculty of Agriculture:

Avramov, Lazar (Viticulture).
Belić, Jovan (Stock Rearing).
Bogdanović, Milovan (Pedology).
Bulatović, Spasoje (Special Pomology).
Crnčević, Vlastimir (Food Processing).
Dimitrijević, Relja (Field Crop Production).
Djordjević, Vlastimir (Soil, Cultivation of Meadows).
Džamić, Milomir (Biochemistry).
Jelenić, Djurdje (Agricultural Chemistry).
Josifović, Mladen (Phytopathology).
Krištof, Milan (Agricultural Accountancy).
Lopandić, Dušan (Marketing).
Milić, Milan (General Crop Farming).
Milosavljević, Branislav (Agricultural Economics).
Milosavljević, Marko (Meteorology, Climatology).
Mirić, Stanko (Organisation of Agricultural Production).
Mitić, Novica (Stock rearing).
Nikolić, Dragiša (Cattle Rearing).
Nikolić, Stevan (Agricultural Chemistry).
Obračevic, Čedomir (Nutrition of Domestic Animals).
Pavićević, Nikola (Pedology).
Perišić, Milivoje (Phytopathology).
Radovanović, Vojislav (Vine production and Vine Technology).
Radulović, Jevta (Physiology of Domestic Animals).
Rikovski, Ilija (Chemistry).
Ružičić, Nikola (Agricultural Machinery).
Ševarlić, Jaroslav (Organisation of Labour in Agriculture).
Stanković, Dušan (Fruit Growing).
Šterk, Vladimir (Zoohygiene, including Veterinary Science).
Stević, Bogoje (Microbiology).
Stojanović, Momčilo (Plant Ecology).
Sutić, Dragoljub (Phytopathology).
Tanasijević, Nikola (Entomology).
Tešić, Živojin (Microbiology).
Zonjić, Ilija (Plant breeding).

Faculty of Architecture:

Anagnosti, Petar (Descriptive Geometry).
Bajlon, Mate (Building Design).
Bošković, Djurdje (History of Art).
Deroko, Aleksandar (History of Medieval Architecture).
Dobrović, Nikola (Town Planning).
Kliska, Stanko (Building Planning).

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Kojić, Branislav (Planning of Agricultural and Industrial Buildings).
Krstić, Petar (Architectural Construction).
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Martinović, Uroš (Building Planning).
Nestorović, Bogdan (Building Planning).
Pantović, Milorad (Building Planning).
Petrović, Miodrag (Architectural Construction).
Radovanović, Mihailo (Town Planning).
Romić, Slobodan (Statistics of Architectural Construction).
Tomić, Božidar (Statics of Architectural Construction).
Tričković, Milivoje (Interior Designing).
Zloković, Milan (Building Planning).
Zrnić, Predrag (Building Construction).

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Čobeljić, Dušan (National Planning).
Čobeljić, Nikola (Yugoslav Economic Development).
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Davidović, Radivoj (Economics).
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Hubeni, Marijan (Economic Geography).
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Vučković, Miloš (Banking).
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Faculty of Civil Engineering:

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Lazarević, Djordje (Concrete Structures).
Manojlović, Borivoje (Railway Designing and Construction).
Marković, Miroslav (Highway Design and Construction).
Milosavljević, Moidrag (Steel Structures and Steel Bridges).
Milovanović, Dušan (Hydraulic Structures).
Mitić, Miloje (Plan Surveying).
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MOCIĆ, MIRJANA (Infectious Diseases).
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STANKOVIĆ, IVAN (Ophthalmology).
STANOJEVIĆ, BRANISLAV (Internal Medicine).
STEFANOVIĆ, STANOJE (Internal Medicine).
STOJANOVIĆ, SVETISLAV (Orthopedics).
STOJANOVIĆ, VOJISLAV (Surgery).
TASOVAC, BORIVOJE (Pediatrics).
TRPINAC, PAVLE (Chemistry).
VIŠNJIĆ-FRAJND, MARIJA (Pathological Anatomy).
ZUJOVIĆ, DJORDJE (Radiology).
ZUJOVIĆ, JOVANKA (Pediatrics).

Faculty of Medicine—Nis:

BELESLIN, SLAVKO (Forensic Medicine).
DJUKNIĆ, NIKOLA (Surgery).
IVIĆ, MILENKO (Histology and Embryology).

Faculty of Mining and Geology:

ALMAŽAN, VLADIMIR (General Chemistry).
AUTUNOVIĆ-KOBLIŠKA, MILOVAN (Mining Operations).
BAJALOVIĆ, IVAN (Physical Chemistry).
BAZILJEVIĆ, VLADIMIR (Technical Mechanics and Strength of Materials).
DAMJANOVIĆ, DRAGUTIN (Civil Engineering in Mining).
DIMITRIJEVIĆ, MILORAD (Geology).
FILIPOVIĆ, FILIP (Mine Designing).
GLUŠČEVIĆ, BRANKO (Prospecting and Elements of Geophysics).
ILIĆ, MILAN (Petrography).
JANKOVIĆ, SLOBODAN (Prospecting).
JOKANOVIĆ, BRANKO (Ventilation and Draining in Mining).
JOVIĆ, PETAR (Electricity in Mining).
KARAMATA, STEVAN (General Photography).

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LEŠIĆ, DJURA (Preparation of Mineral Raw Materials).
LUKOVIĆ, STANISLAV (Mineralogy).
MALIĆ, DRAGOMIR (Elements of Mechanical Engineering).
MILANOVIĆ, BORIVOJE (Mine Surveying).
MILOVANOVIĆ, BRANISLAV (General Geology, Palæontology).
MILUTINOVIĆ, VELIMIR (Elements of Social Sciences).
NAJDANOVIĆ, NIKOLA (Soil Mechanics).
PAVLOVIĆ, VASILIJE (Transportation and Mining Extraction).
PETROVIĆ, MILORAD (Opencast Mining Methods).
PROSEN, DRAUGUTIN (Geophysics, Methods of Geophysical Prospecting).
STEPANOVIĆ, BRANKO (Historical Geology).
TOMIĆ, MIODRAG (Mathematics).

Faculty of Mining and Metallurgy—Bor:

DROVENIK, MATIJA (Mineralogy and Petrography).
GAJIĆ, MLADEN (Opencast Mining Methods).
STOJAKOVIĆ, REJMOND (Engineering).

Faculty of Pharmacy:

BANDIĆ, IVAN (Mathematics).
BERKEŠ, IVAN (Biochemistry).
BLAGOJEVIĆ, ZORA (Pharmaceutical Chemistry).
ČOROVIĆ, MILICA (Botany).
DAMANSKI, ALEKSANDAR (Bromatology and Organic Chemistry).
DANILOVIĆ, MILOJE (Galenic Pharmacy).
FILIPOVIĆ, ZAGORKA (Inorganic Chemistry).
HOJMAN, JOLANDA (Analytical Chemistry).
JANKOVIĆ, BRANISLAV (Microbiology).
MLADENOVIĆ, MILOŠ (Pharmaceutical Chemistry).
MOKRANJAC, MOMČILO (Toxicological Chemistry).
SLJIVIĆ, SRETEN (Physics).
STJEPANOVIĆ, LEPOSAVA (Botany).
TUCAKOV, JOVAN (Pharmacognosy).

Faculty of Philology:

ALEKSIĆ, RADOMIR (History of Serbo-Croat and Dialectology).
BANAŠEVIĆ, NIKOLA (French Language and Literature).
BOŠKOVIĆ, RADOSAV (Comparative Grammar of Slavonic Languages and Old Slavonic).
DJORDJEVIĆ, MOLIŠ (Modern German Literature).
DJURIĆ, VOJIALAV (World Literature).
DRAŠKOVIĆ, VLADO (French Language).
GLIGORIĆ, VELIBOR (Modern Yugoslav Literature).
LALIĆ, RADOVAN (Russian Literature).
LATKOVIĆ, VIDO (Popular Literature).
MOJAŠEVIĆ, MILJAN (German Literature).
PANTIĆ, MIROSLAV (History of Yugoslav Literature from the Renaissance to the Age of Enlightment).
PAVLOVIĆ, DRAGOLJUB (History of Old Yugoslav Literature).
PUDIĆ, IVAN (Comparative Grammar of Germanic Languages and Gothic Language).
SEKVI, EROS (Italian Literature).
STEVANOVIĆ, MIHAILO (Serbo-Croat-Syntax).
VUČENOV, DIMITRIJE (Modern Yugoslav Literature).
ZIVANOVIĆ, DJORDJE (Polish Language and Literature).

Faculty of Philosophy:

BAJIĆ, BAJA (Psychology).
BARIŠIĆ, FRANCO (Byzantology).
BOŽIĆ, IVAN (General History of the Middle Ages).
ČUBRILOVIĆ, VASO (National History).
GARAŠANIN, MILUTIN (Classical Archaeology).
GAVELA, BRANKO (Archaeology).
GLUMAC, DUŠAN (Hebrew Language).
KRAĆ, VELJKO (History of Philosophy).
KOSTIĆ, CVETKO (Rural Sociology).
KOVAČEVIĆ, JOVAN (Medieval Archaeology).
LUTOVAC, MILISLAV (Anthropogeography).
MARKOVIĆ, MIHAILO (Logic).
MILIĆ, VOJIN (Methodology of Sociological Research).
NOVAKOVIĆ, RELJA (Historical Geography).
OSTROGORSKI, GEORGIJE (Byzantology).
PAPAZOGLU, FANULA (Ancient History).
PAVIĆEVIĆ, VUKO (Ethics).
RADOJČIĆ, SVETOZAR (History of Art).
ROT, NIKOLA (Sociological Psychology).
SEŠIĆ, BOGDAN (Logic).
TADIĆ, JORJO (Modern History).

Faculty of Philosophy—Pristina:

AJETI, IDRIZ (History of the Albanian Language and its Dialectology).
BARJAKTAREVIĆ, DANILO (History of Serbo-Croat Language and its Dialectology).

Faculty of Sciences:

ALJANČIĆ, SLOBODAN (Theory of Real Functions).
ANDJELIĆ, TATOMIR (Rational Mechanics).
ANDJELKOVIĆ, MILODRAG (Historical Geology and Biostratigraphy).
ANDJUS, RADOSLAV (Physiology).
BLEČIĆ, VILOTIJE (Taxonomy of Cormophyta).
BRKIĆ, ZAHARIJE (Positional Astronomy).
ČELAP, MILENKO (Inorganic Chemistry).
ČADEŽ, MARJAN (Dynamic Meteorology).
DAJOVIĆ, VOJIN (Theory of Functions of a Complex Variable).
DUKIĆ, DUSAN (Hydrology).
DJURIĆ, VLADIMIR (Economic Geography).
GROZDANIĆ, SIMA (Comparative Anatomy and Systematic of Invertebrates).
JANKOVIĆ, MILORAD (Plant Ecology and Plant Geography).
JURIĆ, MIRA (Atomic Physics).
KANAZIR, DUŠAN (Biochemistry).
MAKSIMOVIĆ, ZORAN (Geochemistry).
MARINOVIĆ, RADIVOJE (Taxonomy of Thallophyta, Plant Anatomy).
MARKOVIĆ, DRAGOLJUB (Algebra).
MIĆOVIĆ, VUKIĆ (Organic Chemistry).
MILOJEVIĆ, ALEKSANDAR (Physics).
MILOJEVIĆ, NIKOLA (Hydrogeology).
MILOJEVIĆ, SIMA (Geomorphology).
MIHAILOVIĆ, MIHAILO (Organic Chemistry).
MUŠICKI, DJORDJE (Theoretical Physics).
ORLOV, KONSTANTIN (Numerical Mathematical Analysis).
PANTIĆ, NIKOLA (Palæobotany, Geology of Coals).
PAVLOVIĆ, STOJAN (Mineralogy, Petrography).
PEJOVIĆ, TADIJA (Mathematical Analysis).
PETKOVIĆ, KOSTA (General Geology and Regional Geology).
PROTIĆ, MIRKO (Petrology).
RADOMAN, PAVLE (Organic Evolution).
RADOVANOVIĆ, MILUTIN (Comparative Anatomy and Systematic of Vertebrates: Zoogeography).
RAŠAJSKI, BORIVOJE (Differential Equations).
RISTIĆ, SLOBODAN (Spectrochemistry).
SAVIĆ, PAVLE (Physical Chemistry, Nuclear Chemistry).
STEFANOVIĆ, DJORDJE (Biochemistry).
STEVANOVIĆ, PETAR (Historical Geology).
SUŠIĆ, MILENKO (Electrochemistry).
VASOVIĆ, MILORAD (Regional Geography).

Faculty of Stomatology:

BERGER, BENEDIKT (Diseases of the Teeth).
BIKAR, IVAN (Orthopædica of the Jaws).
BRANOVAČKI, DANILO (Dental Prosthetics).
DJOKOVIĆ, LJUBOMIR (Oral surgery).
DJORDJEVIĆ, RADOMIR (Oral surgery).
GRAOVAC, ZIVORAD (Children's and Preventive Stomatology).
KESLER, BRANKO (Extraction of Teeth).
NEŠKOVIĆ, PREDRAG (Microbiology).
POZNIĆ, MIROSLAV (Oral surgery).
VUKOVOJAC, PETAR (Dental Prothetics).

Faculty of Technology:

ARSENIJEVIĆ, MIRO (Mechanical Technology).
BASTIĆ, BORIVOJE (Organic Chemistry).
BOŽIĆ, BRANKO (Iron, Steel and Physical Metallurgy).
DELIĆ, DEJAN (Inorganic Chemical Technology).
DIMITRIJEVIĆ, DJORDJE (Organic Chemistry).
GAKOVIĆ, NIKOLA (Iron and Steel Metallurgy).
IVKOVIĆ, VLASTIMIR (Analytical Chemistry).
KUKOLEČA, STEVAN (Economics and Industrial Management).
PAJEVIĆ, MILAN (Metal Casting).
RADOSTAVLJEVIĆ, SLOBODAN (Anorganical Chemistry).
RAŠAJSKI, SLAVKO (Organic Chemical Technology).
SPASIĆ, MIODRAG (Non-Ferrous Metallurgy).
TUTUNDŽIĆ, PANTA (Physical Chemistry and Electrochemistry).

Faculty of Transport:

ARSENIJEVIĆ, MILORAD (Basis of Electrical Engineering).
ČOLIĆ, SVETOZAR (Road Transportation, Traffic Engineering).
JAKOVLJEVIĆ, MILENKO (Comparative Economics of Transport).
JOVIĆ, SVETISLAV (Exploitation of Shipping and Ports; Organisation and Planning of Water Transport and Port Management; Basis of Water Traffic).
NAERLOVIĆ, NATALIJA (Strength of Materials; Mechanics).

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OKA, NIKOLA (Motor Vehicles, Garages and Services).
STOJANOVIĆ, HRANISLAV (Urban Planning and Transportation).
SUVAJDŽIĆ, SLAVKO (Plant for Transfer of Load and Internal Transport).
ZIVKOVIĆ, DIMITRIJE (Technical Exploitation of Railway Resources).

Faculty of Veterinary Medicine:

BRATANOVIĆ, UROŠ (Internal Diseases of Ruminants, Pigs and Poultry).
DIMIĆ, JOVAN (Surgery and Ophthalmology).
DJURIČIĆ, ILIJA (Physiology).
DRAČA, PETAR (Obstetrics of Domestic Animals).
ERCEGOVAC, DRAGUTIN (Infections Diseases of Domestic Animals).
GLIGORIJEVIĆ, JOVAN (Physical Therapy).
JAKŠIĆ, BOGDAN (Pathological Anatomy).
JANKOVIĆ, ZIVORAD (Anatomy of Domestic Animals).
JOVANOVIĆ, MILOVAN (Physiology).
KATIĆ, RELJA (Veterinary Hygiene).
KOZIĆ, LJUBOMIR (Internal Diseases of Ungulates and Carnivora).
LAPČEVIĆ, EMANUIL (Internal Diseases of Ungulates and Carnivora).
MARKOVIĆ, BOŽIDAR (Obstetrics of Domestic Animals).
MILOSAVLJEVIĆ, SLAVOMIR (Cattle Breeding).
NIKOLIĆ, BOŽIDAR (Physiology).
PAVLOVIĆ, SLOBODAN (Cattle Breeding).
PETROVIĆ, ZLATIBOR (Parasitology).
PRIBIĆEVIĆ, SIMEON (Nutrition of Domestic Animals).
PUHAČ, IVAN (Veterinary Hygiene).
RADOJČEVIĆ, MARKO (Microbiology, Serology, Immunology).
SAVIĆ, ISIDOR (Hygiene and Technology of Meat).
SIMIĆ, VLADETA (Anatomy of Domestic Animals).
SIMIĆ, CEDOMIR (Parasitology).
SOFRENOVIĆ, DJORDJE (Pathological Morphology of Domestic Animals).
STAMATOVIĆ, SRBISLAV (Internal Diseases of Ruminants, Pigs and Poultry).
STANIĆ, MIRKO (Surgery and Ophthalmology).
ŠIPKA, MIRKO (Hygiene and Technology of Milk Production).
TEŠIĆ, DRAGUTIN (Pharmacology).
TRBIĆ, BRANKO (Microbiology, Serology, Immunology).
VLATKOVIĆ, BRANKO (Histology and Embriology).

UNIVERZA V LJUBLJANI
(University of Ljubljana)

LJUBLJANA
Telephone: 21-127

Founded 1595, reconstituted 1809-10, reopened 1919, re-organised 1954.

Rector: Prof. MAKSO SNUDERL.
Secretary: EDO GRGIĆ.

Number of professors: 214.
Number of students: 8,617.

DEANS:

Faculty of Philosophy: Prof. VLADIMIR SCHMIDT.
Faculty of Law: Prof. ALEKSANDER BAJT.
Faculty of Economics: Prof. IVAN LAVRAČ.
Faculty of Natural Sciences and Technology: Prof. VINKO KULJIŠ.
Faculty of Architecture, Civil Engineering and Geodesy: Prof. JANKO SKETELJ.
Faculty of Electrical Engineering: Prof. MARJAN PLAPER.
Faculty of Mechanical Engineering: Prof. ALBERT STRUNA.
Faculty of Bio-technology: Prof. ZDRAVKO TURK.
Faculty of Medicine: Prof. JANEZ MILČINSKI.

PROFESSORS;

Faculty of Philosophy:

BEZLAJ, FRANCE (Comparative Grammar of Slavonic Languages).
BORŠNIK, MARJA (History of Slovene Literature).
CVETKO, DRAGOTIN (History of Slavonic Music and of Modern Comparative Music).
GESTRIN, FERDO (History of the Middle Ages).
GOGALA, STANKO (Pedagogy).
GRAD, ANTON (Romance Philology).
GRAFENAUER, BOGO (Slovene History).
GROŠELJ, MILAN (Classics).
ILEŠIČ, SVETOZAR (Geography).
KLEMENC, JOSIP (Archæology and Ancient History).
KOROŠEC, JOSIP (Old Slavonic and Primeval Archæology).
KOS, MILKO (Medieval History, Ancillary Sciences).
LOGAR, TINE (Historical Slovene Grammar).
MELIK, ANTON (Geography).
MIKUŽ, METOD (History of the National Liberation).
MIKUŽ, STANE (General History of Art).
OCVIRK, ANTON (Comparative Literature).
SCHMIDT, VLADIMIR (Pedagogy and the History of Pedagogy).
STAMPAR, EMIL (Modern Croat and Serb Literature).
TOMŠIČ, FRANCE (Old Church Slavic and Comparative Slavic Philology).
ZIHERL, BORIS (Theory of Social Sciences).
ZWITTER, FRAN (Modern History).

Faculty of Law:

BAJT, ALEKSANDER (Political Economy).
BAVCON, LJUBO (Criminal Law).
CIGOJ, STOJAN (Civil Law).
FINŽGAR, ALOJZIJ (Civil Law).
GORIČAR, JOŽE (Social Sciences).
JUHART, JOŽE (Procedure at Civil Law).
KOBE, PETER (Criminal Law).
KOROŠEC, VIKTOR (Roman Law).
KUŠEJ, GORAZD (Theory of State and Law).
KYOVSKY, RUDI (Labour Laws).
MURKO, VLADIMIR (Financial Science and Financial Law).
PETERIN, STANKO (International Law).
PRETNAR, STOJAN (Economic Law).
SNUDERL, MAKSO (Constitutional Law).
STEMPIHAR, JURIJ (Civil Law).
TOMŠIČ, IVAN (International Law).
VAVPETIČ, LADO (Administrative Law).

Faculty of Economics:

BLEJEC, MARJAN (Statistics).
BONCEIJ, JOŽE (Insurance).
EXEL, SILVA (The Policy of Internal Commerce).
GOMBAČ, BRUNO (Technology).
KIAUTA, LOJZE (Business Economics).
KRAŠOVEC, STANE (Political Economy).
LAVRAČ, IVAN (History of Economic Theory).
MALOVRH, VINCENC (Economic Geography).
MARC, PAVEL (Economic Law).
ORTHABER, ALBIN (Planning of National Economy).
PERTOT, VLADIMIR (The Policy of External Commerce and Industry).
POKORN, JOŽE, (Finance).
STANOVNIK, JANEZ (Economic Development).
VADNAL, ALOJZIJ (Mathematics).
VOGELNIK, DOLFE (Statistics).
VOJSKA, DANILO (Political Economy).

Faculty of Natural Sciences and Technology:

BRČIĆ, BRANKO (Inorganic Chemistry).
BRODAR, SREČKO (Prehistoric Archæology).
CAZAFURA, KRSTO (Inorganic Chemistry).
DOLAR, DAVORIN (Physical Chemistry).
DOMINKO, FRAN (Astronomy).
DUHOVNIK, JOŽE (Mineralogy, including Petrography).
FETTICH, VIKTOR (Metallurgy).
GERL, FRIDERIK (Economics and Organisation of Chemical Manufacture).
GOGALA, AUGUST (Mining engineering—underground workings).
GREGORIČ, ALOJZ (Technology of Spinning).
GUZEIJ, LADISLAV (Analytical Chemistry).
HADŽI, DUŠAN (Structure of Atoms and Molecules; Theoretical Organic Chemistry).
HOMAN, ANTON (Economy in Mines, Opencast Mining, Ventilation in Mining).
HRIBERNIK, ENGELBERT (Technology of Inorganic Chemistry).
KAVČIČ, JANKO (Technology of Inorganic Chemistry).
KAVČIČ, RAJKO (Chemistry).
KERSNIČ, VIKTOR (Mining Machinery).
KOČEVAR, FRANJO (Fibre Science, Textile Testing).
KRAMARŠIČ, VINKO (General Chemical Technology).

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KUHELJ, ANTON (Mechanics).
KULJIŠ, VINKO (Technology of Heat and Fuels).
KUŠČER, IVAN (Physics).
LESKOVŠEK, DRAGO (Physical Methods of Chemical Analysis, Measurement and Control in Chemical Industry).
MATANOVIČ, DRAGO (Electricity in Mining and Metallurgy).
MODIC, ROMAN (General Chemical Technology).
MOLJK, ANTON (Physics).
PAVKO, DRAGOTIN (Metallurgical Furnaces, Gas Analysis, Pyrometric Measurement).
PERPAR, MARIJA (Organic Chemistry).
PREMERL, FRANC (Technology of Organic Chemistry).
RAKOVEC, IVAN (Geology and Paleontology).
REKAR, CIRIL (Metallurgical Technology of Iron).
SAVNIK, VIKTO (Technical Drawing, Technology of Hosiery).
SLOKAN, KAREL (Enrichment of Mineral Raw Materials).
SMOLIK, FRANC (Technology of Weaving).
STOJKOVIČ, IVO (Chemical Technology of Textiles).
TIŠLER, MIHA (Organic Chemistry, Organic Reactions).
VIDAV, IVAN (Mathematics).
VIZOVIŠEK, IVAN (Technology of Macromolecular Substances).
VODUŠEK, RAŠA (Mine Surveying, Applied Geophysics).

Faculty of Architecture, Civil Engineering and Geodesy:

BLEIWEIS, JANKO (Hydraulics, Advanced Hydraulics).
CRNIVEC, MIROSLAV (Geodetic Astronomy, Surveying, Calculus).
CRNJAČ, JOSIP (Higher Surveying, Minor Square Compensation).
CUČEK, IVAN (Photogrammetry).
FAKIN, MILAN (Statistics, Building Mechanics).
GLOBOČNIK, STOJAN (Technical Drawing, Building Construction).
GOLJEVŠČEK, MILOVAN (Water Power and Hydraulic Structures).
GSPAN, JULIJ (Basic Railroad Construction, Railroad Construction).
JENKO, RUDOLF (Foundation Engineering, Building Site-Organisation).
KLEMENČIČ, TONE (Fundamental Municipal Economy).
KOBE, BORIS (Draughtmanship, Perspective and Colour).
KOVAČIČ, EMIL (Hydrology, Hydrometry, River Regulation, Land Reclamation).
KRAVANJA, VIKTOR (Railroad Construction, Tunnels).
KURENT, TINE (Modular Co-ordination, Industrial Building).
LAPAJNE, SVETKO (Structural Theory, Constructions).
MARINČEK, MILOŠ (Steel Structures).
MIHEVC, EDO (Housing, Interior Design).
MUŠIC, MARJAN, (History of Architecture).
PODPEČAN, ALOJZ (Surveying in Relation to Planning, Cartography).
RAVNIKAR, EDVARD (Public Building, Town Planning).
RUDL, FRANJO (Surveying).
SAJOVIĆ, OTON (Descriptive Geometry).
SEDLAR, SAŠA (Town and Country Planning).
SKETELJ, JANKO (Waterworks and Sewerage, Water Purification and Disposal of Waste Water).
ŠUKLJE, LUJO (Soil Mechanics).
TURK, SRDAN (Timber Structures, Concrete Structures, Prestressed Concrete).
VALENTINČIČ, JANEZ (Principles of Architectural Design).
ZNIDERŠIČ, BRANKO (Highway Constructions).

Faculty of Electrical Engineering:

AVČIN, FRANCE (General Electrical Measurement).
AVSEC, DUŠAN (Mechanics).
DOBEIC, JANEZ (Electrotechnical Materials).
ERŽEN, RAFAEL (Telephone Installations).
GRUDEN, MIRJAN (Electromagnetism).
GYERGYEK, LUDVIK (Circuit Theory, Information Theory).
JAGODIČ, FRANJO (Electric Motors, Electric Traction).
KOŽELJ, VENČE, (Theoretical Electrotechnics).
LASIČ, DUŠAN (Electronics, Nonlinear elements).
MAGAJNA, BOŽIDAR (Electro-Acoustics, Ultrasonics).
OSREDKAR, MILAN (Experimental Physics).
PEHANI, ERNEST (Power Stations and Substations, Electrical Economics).
PLAPER, MARJAN (Electric Power Transmission and Distribution).
PONIŽ, ROMAN (Thermo-electrotechnics).
STROJNIK, ALEŠ (Industrial Electronics, Electronic Instrumentation in Medicine, Rectifiers).

Faculty of Mechanical Engineering:

ANDREE, LEOPOLD (Mechanical Measurements, Steam Boilers).
CERNIGOJ, BORIS (Steam Engines, Steam Turbines, Conductors and Gas Turbines).
KOVAČEC, FRANČEK (Cranes and Structures of Steel, Agricultural Machinery, Civil Machinery).
KRAUT, BOJAN (Railways).
LIKAR, BOLESLAV (Thermal Ventilating Plant).
LOBE, FELIKS (Machine tools).
PRELOG, ERVIN (Mechanics).
RANT, ZORAN (Theory of Mechanism, Thermodynamics, Regulation and Automation).
STRUNA, ALBERT (Hydraulic Machines, Theory of Eriction, Mechanical Resistance and Lubrication, Maintenance of Machines).
URAN, DOBROMIL (Internal Combustion Engines).
VAKSELJ, ANTON (Mathematics).

Faculty of Bio-technology:

ADAMIĆ, FRANCE (Horticulture, Fruit-growing).
DITRICH, BOGDAN (Wood Technology).
DORER, MARJAN (Chemistry).
JANEŽIČ, FRANJO (Phytopathology).
JELAČKN, IVAN (Animal Husbandry).
KLEMENČIČ, IVAN (Forest Constructions, Forest Communications).
KONJAJEV, ALEKSANDER (Microbiology).
LEVSTIK, JOŽE (Agrarian Policy).
MAYER, ERNEST (Botany).
MIKUŽ, FRANC (Plant Breeding).
MOŽINA, IVAN (Anatomy and Technology of Wood).
MUCK, OTON (Animal Nutrition).
PAVŠIČ, MARJAN (Reproduction of Domestic Animals).
PEČAK, OSKAR, (Chemical Technology of Farming).
PETKOVŠEK, VIKTOR (Botany).
PIRC, ALFONSO (Agricultural Engineering).
RAINER, FRANJO (Erosion and Torrents Control).
RIGLER, LEON (Anatomy of Domestic Animals).
SADAR, VINKO (Field Crops).
SEVNIK, FRANJO (Forest Economics).
SKERIJ, BOŽO (Anthropology).
SLANDER, JOŽE (Forest Protection).
TURK, RUDOLF (Statistics Applied to Agriculture, Farm Management, Introduction to Agricultural Economic Analysis).
TURK, ZDRAVKO (Forest Exploitation).
TOMAŽIČ, GABRIJEL (Ecology).
VALENTINČIČ, STANE (Veterinary Hygiene).
VATOVEC, SREČKO (Physiology, Anatomy of Domestic Animals).
VESELIČ, MIRAN (Viticulture and Wine Technology).
VOVK, BOGDAN (Soil Science, Plant Nutrition).

Faculty of Medicine:

AVČIN, MARIJ (Pædiatrics).
BANIČ, STANISLAV (Microbiology).
BEDJANIČ, MILKO (Infections).
BENEDIK, MARTIN (General Surgery).
BONAČ, IVAN (Hygiene).
BORŠTNAR, MARJAN (Psychiatry).
BRECELJ, BOGDAN (Orthopædics).
BRENČIČ, LOJZE (Oral Medicine and Periodontics).
DERGANC, KAZIMIR (General Surgery).
CELEŠNIK, FRANC (Maxillofacial Surgery).
DERGANC, FRANC (Orthopædics).
GUZELJ, VLADIMIR (General Surgery).
HRIBAR, FRANCE (General Pathology).
KANONI, JANEZ (Psychiatry).
KOBE, VALENTINA (Anatomy).
KRUŠIČ, VALTER (Pedodontology).
LAVRIČ, VITO (Gynæcology and Obstetrics).
LOGAR, ANTON (Operative Dentistry).
MAHKOTA, STANISLAV (Internal Diseases).
MARINČIČ, IVAN (Neurology).
MATAJC, LEO (Pædiatrics).
MILČINSKI, JANEZ (Forensic Medicine).
NEUBAUER, ROBERT (Phthisiology).
NOVAK, FRANC (Gynæcology and Obstetrics).
PALČIČ, BRANKO (Crown and Bridge Prosthodontics).
PEHANI, HUBERT (Biology).
POMPE, JANKO (Oto-Rhono-Laryngology).
RANT, JOŽE (Orthodontics).

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RAVNIHAR, BOŽENA (Oncology).
SAVNIK, LEO (Oncology).
SELIŠKAR, ALBIN (Physiology).
STUCIN, DUŠAN (Chemistry).
TAVČAR, IGOR (Internal Diseases).
TRAMPUŽ, VLADIMIR (Gynæcology and Obstetrics).
VOLAVŠEK, BRANKO (Internal Diseases).
VOLOVŠEK, VLADIMIR (Dentures Prosthetics).
ZUMER, MILAN (General Surgery).
ZUPANČIČ, ANDREJ (Pathological Physiology).

UNIVERSITY OF NOVI SAD

NOVI SAD

Founded 1960.

Rector: LAZAR STOJKOVIĆ.
General Secretary: SLOBODAN RADOJEVIĆ.

Number of teachers: 276.
Number of students: 5,000.

DEANS:

Faculty of Arts and Sciences: DJORDJE RADOJIČIĆ.
Faculty of Economics: MILENKO RAKOVAČKI.
Faculty of Medicine and Dentistry: NIKOLA VUJIĆ.
Faculty of Law: ALEKSANDER MAGARAŠEVIČ.
Faculty of Mechanical Engineering: EVGENJIE ČUPIĆ.
Faculty of Technology: VOJISLAV KRAJOVAN.
Faculty of Agriculture: SLAVKO BOROJEVIĆ.

UNIVERSITY OF SARAJEVO

SARAJEVO, V.S. OBALA 7
Telephone: 23-891, 23-872

Founded 1946.

Rector: Ing. ALEKSANDER TRUMIĆ.
Pro-Rectors: Ing. FAZLIJA ALIKALFIĆ, Dr. MILAN BEVANDIĆ.
General Secretary: Dr. SMILJANA KRSIĆ.

Number of professors: 175.
Number of students: 5,368.

DEANS:

Faculty of Law: Dr. HAMDIJA ĆEMERLIĆ.
Faculty of Agriculture: LJUBOMIR BOŽIĆ.
Faculty of Forestry: Ing. VASILIJE MATIĆ.
Faculty of Medicine: Dr. IVAN HERLINGER.
Faculty of Engineering: Ing. KAZIMIR BORAS.
Faculty of Economics: Ing. BORO JOVANOVIĆ.
Faculty of Veterinary Science: Dr. EKREM MAGLAJLIĆ.
Faculty of Philosophy: Dr. ESAD PAŠALIĆ.
Faculty of Sciences: Dr. SMILJA MUČIBABIĆ.
Faculty of Technology: Dr. BRANKO POPOVIĆ.
Faculty of Mining: Ing. NENAD GRUJIĆ.

PROFESSORS:

Faculty of Law:

BAJIĆ, MILOŠ (History of State Law).
ĆEMERLIĆ, HAMDIJA (History of National Authority and Constitutional Law).
ILIĆ, ANANIJE (Commercial Law).
JAKŠIĆ, STEVAN (Law of Obligations).
JANKOVIĆ, BRANIMIR (International Law).
JOKANOVIĆ, VLADO (Theory of State and Law).
KAMARIĆ, MUSTAFA (Government Law).
KAMHI, SAMUEL (Civil Litigation).
LOVRENOVIĆ, STJEPAN (Political Economy).
PERIĆ, BOŠKO (Labour Law).
SILAJDŽIĆ, ALIJA (Family and Inheritance Law).
SPAIĆ, VOJISLAV (Civil Law).
STAJIĆ, ALEKSANDAR (Penal Law).
TADIĆ, LJUBOMIR (Theory of State and Law).

Faculty of Agriculture:

BATINICA, DANE (Special Agriculture).
BOKO, FRANIO (Physiology and Anatomy of Domestic Animals).
BOŽIĆ, LJUBOMIR (Economics of Agriculture).
BUBIĆ, ŠERIF (Pomology).
ČEČUK, STJEPAN (Viticulture).
ČOSIĆ, DRAGOMIR (Special Agriculture).
DOBRENOV, MILAN (Fruits and Vegetables).
DRECUN, VLADIMIR (Cattle-Breeding).
DUBIĆ, SLAVOLJUB (Agricultural Accountancy).
HRASNICA, FAHRUDIN (Horse-Breeding).
HRUSTANOVIĆ, KASIM (Inorganic Chemistry).
JANEKOVIĆ, DJURO (Pedology).
LOMEJKO, SERGIJE (General Agriculture).
MAKSIMOVIĆ, DUŠAN (Nutrition of Domestic Animals).
PANCER, OTON (Agricultural Accountancy).
RUTKA, JAŠA (Agricultural Technology).
VITOLOVIĆ, VIKTOR (Pomology).
ZDANOVSKI, NIKOLA (Dairy Husbandry and Forestry).

Faculty of Forestry:

ALIKALFIĆ, FAZLIJA (Forestry).
BEGOVIC, BRANISLAV (Wood Technology).
DJAPIĆ, DRAGO (Forestry Economics).
DJIKIĆ, SALKO (Forestry Improvement).
FUKAREK, PAVLE (Forestry Botany).
GLIGIĆ, VOJIN (Botany).
KOPČIĆ, IBRAHIM (Economics of Wood Technology).
MATIĆ, VASILIJE (Forestry Organisation).
POPOVIĆ, BOŽIDAR (Mathematics).
POTKONJAK, MILAN (Mechanical Wood Technology).
TARTAGLIA, BRUNO (Technical Mechanics).
VEMIĆ, MILAN (Meteorology and Climatology).
ZUBAC, JOVAN (Forestry Mechanics).

Faculty of Medicine:

ANASTASIJEVIĆ, RADMILO (Physiology).
ARANICKI, MILOŠ (Hygiene).
BERIĆ, MILENKO (Gynæcology).
BRKIĆ, IBRO (Internal Medicine).
BUČIĆ, MIODRAG (Forensic Medicine).
CAVKA, VLADIMIR (Ophthalmology).
CIGLAR, MARKO (Balneology).
DIMITRIJEVIĆ, DIMITRIJE (Neurology).
DJORDJEVIĆ, BLAGOJE (Histology).
FLEGER, JOSIP (Dermatology and Venereal Disease).
FRIED, ROBERT (Microbiology).
GAON, JAKOB (Epidemiology).
GRČIĆ, ALEKSANDER (Stomatology).
GRIN, ERNEST (Dermatology, Venereal Diseases).
GVOZDENOVIĆ, MILAN (Epidemiology).
HADŽISELIMOVIĆ, HAJRUDIN (Anatomy).
HERLINGER, IVO (Oto-Rhino-Laryngology).
JANOVIĆ, SPIRO (Pulmonary Diseases).
KOŠAK, RATKO (Pharmacology).
LUKAĆ, FEODOR (Surgery).
MILIN, RADIVOJE (Histology).
PRAŠTALO, ZARKO (Oto-Rhino-Laryngology).
RADOVANOVIĆ, MIROSLAV (Hygiene).
SABOVLJEV, ALEKSANDAR (Physiology).
SARVAN, MILIVOJE (Pediatrics).
SIMIĆ, MIRON (Internal Medicine).
ŠTERN, PAVAO (Pharmacology).
TERZIN, ALEKSANDAR (Virology).
VUČICEVIC, MOMČILO (Ophthalmology).
ZARKOVIĆ, GRUJICA (Hygiene).
ZEC, NEDO (Psychiatry).
ZIMONJIĆ, BOGDAN (Internal Medicine).

Faculty of Technical Sciences:

BAĆ, JOSIP (River Hydromechanics).
BENDELJA, BOŽO (Exploitation of Machines).
BORAS, KAZIMIR (Elements of Mechanics).
CVRCANIN, MILOS (Railways and Urban Communication).
FINČI, JAHIEL (Design).
GOSTIŠA, NIKOLA (Material Testing).
GREGORIĆ, TEODOR (Thermodynamics).
HAHAMOVIĆ, JULIJE (Material Testing).
JANAČEK, EMIL (Ground Works).
JOVANOVIĆ, RADOSLAV (Geology, Petrography).
KADIĆ, MUHAMED (Agricultural and Industrial Building Design).

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KORKA, JOVAN (Design of Public Buildings).
KRSMANOVIĆ, DUŠAN (Geo-Mechanics).
KUZMANOVIĆ, BOGDAN (Steel Construction).
LALIC, NIKOLA (Building Construction).
LIPOLD, RAJKD (Mechanic Technology).
MIOVČIĆ, SRETEN (Wood Constructions).
MIRKOVIĆ, DRAGOSLAV (Building Organisation).
NAJDHART, JURAJ (Architectural Design).
POPOVIĆ, VLASTIMIR (Tunnels, Railways).
RADONIĆ, MILORAD (Heating Installations).
REDŽIĆ, HUSREF (History of Design).
SAMANEK, EMANUEL (Elements of Plan-Making).
SEDLAR, NIKOLA (Mechanics Technology).
SIMIĆ, DUŠAN (Concrete Construction).
SMILJANIĆ, DUŠAN (Building Construction).
SOLOVJEV, DJORDJE (Building Statics).
SOMBORSKI, MILOS (Urbanistics).
SUBOTIĆ, UGLJEŠA (Traffic Economics).
TISMA, SVETOR (Mechanisation).
TRIPALO, ANTUN (Physics).
TRUMIĆ, ALEKSANDAR (Sewerage, Water Supply).
VASILJEVIĆ, RELJA (Electrotechnics).
VUKIĆ, MLADEN (Free Design).

Faculty of Economics:

EKSEL-ŠKERLAK, SILVA (Economic Politics, Internal and Foreign Commerce).
FILIPOVIĆ, HAMID (Finance).
JOVANOVIĆ, BORA (Technology).
LUČIĆ, LEONIDA (Elements of Statistics).
PEROVIĆ, DIMITRIJE (Organisation and Transactions of Enterprises).
PETROVIĆ, RUDE (Economic Geography).
SULTANOVIC, AZIZ (Introduction to Law and Economic Law).
ZEREMSKI, VOJISLAV (National Economics).

Faculty of Veterinary Science:

BERGOVIĆ SAF ET (Pathological Physiology).
BEVANDIĆ, MILAN (Anatomy).
BUTOZAN, VASO (Infections of Domestic Animals).
DJINIĆ, SALIH (Pharmacology).
FORŠEK, ZLATKO (Infections of Domestic Animals).
GAVEZ, EDUARD (Pathological Morphology).
GLIGIĆ, MILUTIN (Biology and Systematics of Animals).
HADŽIBEGANOVIĆ, AVDO (Meat Hygiene).
ILANČIĆ, DRAGAN (Domestic Animals).
JEŽIĆ, JOSIP (Microbiology).
KRALJ, JOSIP (Roentgenology and Physical Therapy).
MAGLAJLIĆ, EKREM (Internal Propædeutics).
OŽEGOVIĆ, LADISLAV (Internal Diseases).
PENAVIN, VLADIMIR (Gynæcology and Diseases of Domestic Animals).
RUKAVINA, JAKOV (Invasive Diseases).
SMRČEK, ZVONIMIR (Internal Diseases of Domestic Animals).
VARADIN, MIROSLAV (Special Gynæcology).

Faculty of Philosophy:

BABIĆ, ANTE (National History).
BEGIĆ, MITHAT (History of Yugoslav Literature, 20th Cent.).
DJORDJEVIĆ, MIROSLAV (History).
DJURDJEV, BRANISLAV (National History).
HAUPTMAN, FERDO (General History).
KAPIDJIĆ, HAMDIJA (National History).
KON, MARIJA (Germanic Languages).
KUZMIĆ, RIHARD (Old Slavonic Etymology).
NAZEČIĆ, SALKO (Romanticism).
PAŠALIĆ, ESAD (General History).
PUDIĆ, IVAN (History of German Language).
ŠAMIĆ, MITHAT (French Literature).
SIKIRIĆ, ŠAĆIR (Arabic and Persian).
VUKOVIĆ, JOVAN (Serbo-Croatian).
ZIVKOVIĆ, DRAGIŠA (Theory of Literature).

Faculty of Science:

BAJRAKTAREVIĆ, MAHMUT (Mathematics).
DEŽELIĆ, MLADEN (Organic Chemistry).
FILIPOVIĆ, MILENKO (Anthropogeography).
GALEB, BRANISLAV (Physics).
JURILJ, ANTE (Botany).
KANAET, TVRTKO (Physical Geography).
MUČIBABIĆ, SMILJA (Zoology).
RALJEVIĆ, SEFKIJA (Mathematics).
ŠLAVNIĆ, ZIVKO (Botany).
ŠKERLAK, TIBOR (Physical Chemistry).
ŠNAJDER, VERA (Mathematics).
ŠOLJAN, TONKO (Zoology).

UNIVERSITY OF SKOPLJE

SKOPLJE

Telephone: 21-59

Founded 1946.

Rector: KIRIL MILJOVSKI.
Pro-Rector: IVO PUHAN.

Number of Professors: 123.
Number of Students: 10,632.

DEANS:

Faculty of Arts: Prof. DIMITAR MITREV.
Faculty of Medicine: Prof. ANTON CAKMAKOV.
Faculty of Agriculture and Forestry: Prof. ARITON USEPJANOV.
Faculty of Engineering: Prof. LAZAR SIMOV.
Faculty of Economics: Prof. KSENTE BOGOEV.
Faculty of Law: Prof. PANTA MARINA.
Faculty of Natural Sciences and Mathematics: Prof. BLAGOJ POPOV.

UNIVERSITY OF ZAGREB

(Sveučilište u Zagrebu)

TRG MARŠALA TITA 14, ZAGREB

Telephone: 35-762

Founded 1669; reconstituted 1874; reorganised 1954.

Rector: Prof. SLAVKO MACAROL.
Pro-Rector: Prof. Dr. VLADIMIR SERDAR.
Secretary-General: BOGDAN TOMAŠIĆ.
Number of teaching staff: 2,751.
Number of students: 24,683.

DEANS OF FACULTIES:

Zagreb

Philosophy: Dr. LJUDEVIT JONKE.
Law: Dr. KONSTANTIN BASTAIĆ.
Economics: ADALBERT DOBRIĆ.
Natural Sciences and Mathematics: Dr. ZLATKO JANKOVIĆ.
Medicine: Dr. JOSIP FALIŠEVAC.
Stomatology: Dr. ŽIVKO BOLF.
Veterinary Medicine: Dr. JOSIP IVOŠ.
Pharmacology: Dr. HRVOJE IVEKOVIĆ.
Architecture: DRAGO GALIĆ.
Civil Engineering: Dr. MIROSLAV ČABRIJAN.
Geodesy: Dr. LEO RANDIĆ.
Mechanical and Marine Engineering: NIKO MALEŠEVIĆ.
Electrical Engineering: Dr. VLADIMIR MATKOVIĆ.
Technology: Dr. IVAN LOVREČEK.
Agriculture: Dr. NIKOLA RAPAJIĆ.
Forestry: Dr. MILAN ANDROIĆ.
Political Sciences: Dr. LEON GERŠKOVIĆ.
Higher School of Economics: RANKO FRAU.
Higher School of Administration: Dr. EUGEN PUSIĆ.
Higher School of Technology: ALEKSANDAR DURAŠEVIĆ.

Rijeka

Mechanical Engineering: MIROSLAV MIKULIČIĆ.
Medicine: Dr. DUŠAN JAKAC.
Economics: Dr. VLADIMIR FARKAŠ.

Zadar

Philosophy: Dr. RADIVOJ MIKUŠ.

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Split

Technology: Božena Pelech-Tucaković.
Electrical Engineering: Dr. Antun Hruš.

Osijek

Economics: Dr. Dragutin Rilke.
Higher School of Agriculture: Mato Stojanović.

Professors:

Faculty of Philosophy:

Bogdanov, Vaso (National History).
Bratanić, Branimir (Ethnology).
Bujas, Zoran (Psychology).
Filipović, Rudolf (English Language).
Filipović, Vladimir (Philosophy).
Gamulin, Grgo (History of Art).
Gavazzi, Milovan (Ethnology and Ethnography).
Gortan, Veljko (Latin Language and Literature).
Guberina, Petar (Phonetics).
Hraste, Mate (Croatian and Serb Languages).
Hergešić, Ivo (Comparative Literature).
Jonke, Ljudevit (Croatian and Serb Languages).
Petrè, Fran (Slovenian Languages and Literature).
Pregrad, Zlatko (Pedagogy).
Rendić-Miočević, Duje (Archæology).
Šidak, Jaroslav (Croatian History).
Šimleša, Petar (Pedagogy).
Škreb, Zdenko (German Literature).
Torbarina, Josip (English Literature).
Vranicki, Predrag (Philosophy).

Faculty of Law:

Andrassy, Juraj (International Public Law).
Bayer, Vladimir (Criminal Procedure).
Bastaić, Konstantin (General history of Law and the State, History of Political Ideas).
Bićanić, Rudolf (Economic Policy of Yugoslavia).
Brajković, Vladislav (Maritime and General Transport Law)
Čulinović, Ferdo (History of Law of Yugoslav nations).
Goldštajn, Aleksandar (Commercial Law).
Horvat, Marijan (Roman Law).
Katičić, Nakto (International Private Law).
Lang, Rikard (Political Economy).
Mandić, Oleg (Sociology and Theory of State and Law).
Prokop, Ana (Family Law).
Stefanović, Jovan (Constitutional Law).
Tintić, Nikola (Labour Law).
Vuković, Mihajlo (Civil Law).
Zlatarić, Bogdan (Criminal Law).

Faculty of Economics:

Babić, Šime (Principles of Business Management; Accounting).
Krajčević, Franjo (Business Control, Auditing and Analysis).
Serdar, Vladimir (Elements of Statistical Methods).
Sirotković, Jakov (Economic Planning; the Economy of Yugoslavia).
Supek, Zvonimir (General Technology, Mercantile Wares).

Faculty of Natural Sciences and Mathematics:

Balenović, Krešimir (Organic Chemistry and Biochemistry).
Bilinski, Stanko (Geometry).
Fink, Nikola (Zoology of Vertebrates, Ecology of Animals and Zoogeography).
Grdenić, Drago (Inorganic Chemistry).
Herak, Milan (Geology).
Horvatić, Stjepan (Systematic Botany, Plant Geography and Plant Ecology, Floristics).
Janković, Zlatko (Applied Mathematics).
Kochansky-Devidé, Vanda (Palænontology).
Kurepa, Duro (Mathematics).
Maksić, Branko (Geophysics with Meteorology).
Mirnik, Mirko (Physical Chemistry).
Paić, Mladen (Physics).
Roglić, Josip (Physical Geography).
Supek, Ivan (Theoretical Physics and Philosophy).
Tajder, Miroslav (Petrology and Mineralogy).
Težak, Božo (Physical Chemistry).

Faculty of Medicine:

Čupar, Ivo (Stomatology).
Grospić, Ferdo (Orthopædics).
Gušić, Branimir (Oto-Rhino-Laryngology).
Hahn, Arpad (Internal Medicine).
Ivančević, Ivo (Pharmacology and Toxicology).
Juzbašić, Dimitrije (Clinical Surgery).
Kadrnka, Silvije (Clinical Roentgenology).
Kesić, Branko (Hygiene and Social Medicine).
Kogoj, Fran (Dermatology and Venereal Disease).
Lopašić, Radoslav (Neurology and Psychiatry).
Lorković, Zdravko (Biology).
Mihaljević, Fran (Infectious Diseases).
Pavišić, Zvonimir (Ophthalmology).
Pinter, Tomislav (Chemistry).
Prošteník, Mihovil (Chemistry).
Smokvina, Milan (Clinical Roentgenology).
Sučić, Dinko (Internal Medicine).
Šercer, Ante (Oto-Rhino-Laryngology).
Vuletić, Vinko (Internal Medicine).

Faculty of Stomatology:

Bolf, Zivko (Orthodontics).
Suvin, Miroslav (Dental Prothesis).

Faculty of Veterinary Medicine:

Delak, Marcel (Pharmacology and Toxicology).
Ehrlich, Ivo (Biology).
Francetić, Mirko (Hygiene of Food of Animal Origin).
Ivoš, Josip (Zoohygiene).
Oklješa, Božidar (Obstetrics, Sterility and Artificial Insemination).
Rako, Ante (Animal Husbandry).
Rapić, Stjepan (Roentgenology and Physical Treatment).
Režek, Adolf (Chemistry).
Šutlić, Aleksandar (Internal Diseases).
Tomašec, Ivo (Biology and Pathology of Bees, Silkworms, and Fish).
Topolnik, Eugen (Microbiology, Immunology and Infectious Diseases).
Varičak, Teodor (Histology).
Winterhalter, Mato (Jurisprudence).
Zaharija, Ivan (Microbiology, Immunology, Infectious diseases).

Faculty of Pharmacy:

Akačić, Branka (Pharmacognosy).
Ašperger, Smiljko (Physical Chemistry).
Barković, Dragutin (Pharmaceutical Chemistry).
Fišer-Herman, Marijana (Clinical Chemistry).
Iveković, Hrvoje (Inorganic Chemistry).
Kušan, Fran (Pharmaceutical Botany).
Štivić, Ivan (Pharmaceutical Technology).
Vajić, Božidar (Chemistry of Food).

Faculty of Architecture:

Bakrač, Stanko (Management of Works).
Denzler, Juraj (History of Architecture).
Galić, Drago (Design of Buildings).
Kauzlarić, Mladen (Design of Buildings).
Mohorovičić, Andro (History of Architecture, Theory of Architecture).
Niče, Vilko (Descriptive Geometry).
Seissel, Josip (Town Planning).
Vrkljan, Zvonimir (Building Construction).

Faculty of Civil Engineering:

Andrejev, Vasilije (Mechanics).
Broz, Rudolf (Water Supply and Canalisation).
Erega, Jure (Steel Bridges).
Juranović, Vladimir (Reinforced Concrete).
Petrik, Milivoj (Sanitary Technology).
Vranić, Vladimir (Mathematics).
Werner, Otto (Theory of Structures).
Zagoda, Juraj (Roads).

Faculty of Geodesy:

Borčić, Branko (Cartography).
Braum, Franjo (Photogrammetry).
Čubranić, Nikola (Higher Geodesy).
Janković, Mato (Applied Geodesy).
Macarol, Slavko (Surveying).
Randić, Leo (Astronomy).

Faculty of Mechanical and Marine Engineering:

Bazjanac, Davorin (Engineering Mechanics).
Hercigonja, Ivo (Production Engineering).

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HORVAT, DRAGUTIN (Hydromechanics and Hydraulic Machinery).
HRIBAR, JOSIP (Processes and Technique of Plastic Working and Welding, Wood and Non-Ferrous Metals).
JUSTINIJANOVIĆ, JURAJ (Descriptive Geometry).
KRPAN, DRAGUTIN (Internal Combustion Engines; Motor Driven Vehicles).
MALEŠEVIĆ, NIKO (Metals and Foundry Technique).
ŠILOVIĆ, STANKO (Ship Designing).
VILIČIĆ, MILAN (Thermodynamics, Heating, Ventilation and Air Conditioning).

Faculty of Electrical Engineering:
BLANUČA, DANILO (Higher Mathematics).
DOLENC, ANTON (Electric Machines).
JELAKOVIĆ, TIHOMIL (Electroacoustics).
LOPAŠIĆ, VATROSLAV (Physics).
MATKOVIĆ, VLADIMIR (Telegraph-Telephone Techniques).
MULJEVIĆ, VLADIMIR (Regulatory and Signal Techniques).
POŽAR, HRVOJE (Electric Plants).
STEFANINI, BOŽIDAR (Transmission of Electric Energy).

Faculty of Technology:
BATURIĆ, JOSIP (Surveying; Methods of Geophysical Exploration).
HAHN, VIKTOR (Organic Chemistry).
FILIPOVIĆ, IVAN (Anorganic Chemistry).
KARŠULIN, MIROSLAV (Physical Chemistry).
KRAJOVAN, VJERA (Analytical Chemistry).
LAZIĆ, SVETISLAV (Oil Drilling and Production).
LOVREČEK, IVAN (Chemical Calculus; Bases of Chemical Engineering).
MARIĆ, LUKA (Mineralogy and Petrology).
OŽEGOVIĆ, FRANJO (Geology and Geomorphology; Geology of Oil).
SABIONCELLO, PETAR (Inorganic Chemical Technology; Mining Chemistry).
TEPLY, ERMIN (Mining I and II).
ZAMBELLI, ALEKSANDAR (Mining Economy; Safety techniques).

Faculty of Agriculture:
CAPEK, DRAGAN (Agricultural Machinery).
CAR, MILIVOJ (Cattle-raising and Horse-breeding).
FIŠER, FERDO (Technology of Agricultural Products).
HORVAT, BRANKO (Cattle-breeding).
KIŠPATIĆ, JOSIP (Phytopathology).
KOVAČEVIĆ, ZELJKO (Entomology).
KUMP, MARIJA (Research and Elements of Plant Grafting).
PAJALIĆ, JOSIP (Pig-breeding and Sheep-breeding, Poultry and Farriers).
POLAK, ELZA (Cultivation of Decorative Plants).
RAPAJIĆ, NIKOLA (Organisation and Management of an Agricultural Enterprise).
ROMIĆ, STJEPAN (Veterinary Medicine with Zoology).
SERMAN, NIKOLA (Wine-growing and Wine-selling).
ŠOŠTARIĆ-PISAČIĆ, KARLO (Grass-growing and Feeding Cultures).
TAVČAR, ALOIS (Genetics).

Faculty of Forestry:
ANDROIĆ, MILAN (Forest Protection).
ANIĆ, MILAN (Dendrology and Plant-sociological Foundations of Silviculture).
BENIĆ, ROKO (Forest Exploitation and Rationalisation of Work in Timber Industry).
EMROVIĆ, BORIVOJ (Dendrometry).
HORVAT, IVO (Wood Technology and Mechanical Processing of Wood).
KLEPAC, DUŠAN (Forest Management).
KRALJIĆ, BRANKO (Rationalisation of Work in Forestry).
KRPAN, JURAJ (Drying and Steaming of Wood, Veneer and Plywood Industry).
NEIDHARDT, NIKOLA (Surveying).
PLAVŠIĆ, MILENKO (Economic Foundations of Forest Production).
PEVALEK, IVO (Botany).
TOMAŠEGOVIĆ, ZDENKO (Forest Photogrammetry and Decriptive Geometry).
VAJDA, ZLATKO (Forest Protection and Silviculture).

Faculty of Political Sciences:
FIAMENGO, ANTE (Sociology).
GERŠKOVIĆ, LEON (The Socialist Revolution in Yugoslavia).
VIDAKOVIĆ, ZARKO (The History of Civilisation).

Higher School of Economics:
GORUPIĆ, DRAGO (Business Policy).

Higher School of Technology:
RADIĆ, IVAN (Chemistry, Chemical Technology, Non-metals).

Faculty of Mechanical Engineering—Rijeka:
MIKULIČIĆ, MIROSLAV (Internal Combustion Engines).

Faculty of Medicine—Rijeka:
ATANACKOVIĆ, DIMITRIJE (Pharmacology).
CERKOVNIKOV, EUGEN (Chemistry and Biochemistry).
KOPAČ, ZVONIMIR (Pathology).
KRIŽAN, ZDENKO (Anatomy).
NOVAK, SILVIJE (Internal Medicine).
PANSINI, KARLO (Pediatrics).
PLAVŠIĆ, ČEDOMIL (Internal Medicine).

Faculty of Philosophy—Zadar:
JANKOVIĆ, VLADIMIR (Education).
KRAVAR, MIROSLAV (Latin).
MIKUŠ, RADIVOJ (French Language).
MILOVIĆ, JEVTO (German Literature).
PREOBRAŽENSKI, NIKOLAJ (Professor Emeritus of Russian Literature).

Faculty of Technology—Split:
PELECH-TUCAKOVIĆ, BOŽENA (Analytical Chemistry).

FACULTY OF THEOLOGY IN LJUBLJANA

LJUBLJANA

Founded 1950.

(Formerly attached to Ljubljana University)

Dean: Prof. Dr. STANKO CAJNKAR.
Pro-Dean: Dr. VILKO FAJDIGA.
Number of vols. in library: 18,000.
Number of professors: 18.

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SCHOOLS AND COLLEGES

Academy of Applied Arts: Belgrade; f. 1948; 29 professors, 8 teachers; 225 students; 8 departments: interior architecture, decorative sculpture, ceramics, decorative painting, applied graphic arts, textiles, costume and mode, scene painting; Dean Prof. VINKO GRDAN.

Academy of Art: Belgrade; f. 1957; Rector Prof. MIHAJLO VUKDRAGOVIĆ; Pro-Rector Prof. MARKO CELEBONOVIĆ; 92 teachers, 768 students. Controls the activities of the other Academies of Art in Belgrade.

Academy of Fine Arts: Belgrade; f. 1937; departments of painting, sculpture and graphic art; Dean STOJANOVIĆ SRETEN; number of teachers 26, number of students 167.

Academy of Fine Arts: Zagreb; f. 1907; 26 professors, 102 students; paintings, plastics, graphics and pedagogy; Rector Prof. VANJA RADAUŠ.

Academy of Applied Arts: Ljubljana, Erjavčeva ul. štev. 23; 16 professors, 70 students; Rector FRANCE MIHELIČ.

Academy of Applied Arts: Zagreb; departments of graphic art, ceramics, painting, architecture, sculpture, metals, textiles, printing; 45 professors, 360 students; Dir. Prof. BELIZAR BAHORIĆ.

Academy of Stage Art: Zagreb; depts. of acting, directing and scenography; Rector VLADIMIR KRALJ.

Academy for Theatre and Film Arts: Belgrade, Uskocka 2a; 30 professors, 86 students; courses in theatre acting and producing; four-year specialist course in opera production; Dean Prof. DUŠAN MATIĆ.

Academy of Theatre, Film, Radio and Television: Ljubljana; 15 professors, 40 students; Rector Dr. VLADIMIR KRALJ.

Advanced School for Dentists: Sarajevo; 15 professors, 80 students.

Advanced School for Dentists: Dept. of Stomatology, Medical Faculty, University of Zagreb, 5 Gundulićeva, Zagreb; 8 full-time professors, 416 students.

Higher School of Ministry of Foreign Trade: Belgrade; 31 professors, 1,300 students.

High School of Physical Education: Belgrade, Deligradska 27; f. 1946; of university status since 1948; library of over 12,800 vols. and about 560 reviews; Dir. NIKOLA KURELIĆ.

Higher Technical School for Production Engineers: Zagreb; f. 1957; Dir. Eng. DRAGO KUNSTELJ; Number of teachers 40, Number of students 520.

Institute of Musicology: Belgrade, Knez Mihailova 35; f. 1947; 17 mems.; Sec. Mrs. STANA DJURIĆ-KLAJN; library of 2,400 vols., 900 scores, recorded folklore music.

Marine High School: Rijeka; 18 teachers: 105 students.

Musical Academy: Belgrade, Maršala Tito 50; f. 1937; 43 professors, 357 students; library of 5,569 vols., 12,032 scores; Rector MILENKO ŽIVKOVIĆ.

Musical Academy: Ljubljana; 24 professors, 240 students; classes for composition, conducting, voice, instrumentation, history of music and musicology; Rector Prof. KARLO RUPEL.

Musical Academy: Sarajevo; depts. of composing, conducting, singing, piano, string and wind instruments, history and folklore, theoretical teaching; Rector MIROSLAV ŠPILER.

Musical Academy: Zagreb, Gundulićeva ul. 6; f. 1827; library of 13,562 vols.; 53 professors, 187 students; Dean MILO CIPRA.

Pedagogical College: Banja Luka; 240 students.

Pedagogical College: Belgrade; f. 1919; 34 professors, 1,376 students; Dir. Dr. BOGDAN STOJSAVLIJEVIĆ.

Pedagogical College: Cetinje; 38 professors, 120 students; Dir. MILUTIN STOJOVIĆ.

Pedagogical College: Ljubljana; 39 professors, 342 students.

Pedagogical College: Mostar; 30 students.

Pedagogical College: Niš; 22 professors, 560 students.

Pedagogical College: Novi Sad, Svetozara Markovika 6; f. 1946; 47 professors, 407 students; Rector SPASOJE COBANSKI.

Pedagogical College: Sarajevo; 30 professors, 402 students.

Pedagogical College: Skoplje; f. 1947; 42 professors, 839 students.

Pedagogical College: Zagreb, Savska cesta 77; f. 1919; library of 20,000 vols.; 51 professors, 1,550 (750 full-time, 800 part-time) students; Principal JOSIP BUSIJA.

Pedagogical High School: Split; f. 1945; 38 professors, 682 students.

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ZANZIBAR

Population 304,000

LEARNED SOCIETIES

British Institute of History and Archaeology in East Africa (*see* Tanganyika).

East Africa Natural History Society (*see* Kenya).

East African Institute of Social Research (*see* Uganda).

East African Literature Bureau (*see* Kenya).

East African Swahili Committee (*see* Tanganyika).

RESEARCH INSTITUTES

Zanzibar is affiliated to the **East African Common Services Organisation** which administers the following research services:

East African Marine Fisheries Research Organisation: P.O. Box 668, Zanzibar; f. 1950; research into fishing methods and the migration, feeding and breeding habits of fish of the East African coast; 3 mems.; Dir. D. N. F. HALL.

East African Institute of Malaria and Vector-borne Diseases (*see* Tanganyika).

East African Institute for Medical Research (*see* Tanganyika).

East African Virus Research Institute (*see* Uganda).

East African Leprosy Research Centre (*see* Uganda).

East African Agriculture and Forestry Research Organisation (*see* Kenya).

East African Freshwater Fishery Research Organisation (*see* Uganda).

East African Industrial Research Organisation (*see* Kenya).

East African Meteorological Department (*see* Kenya).

East African Statistical Department (*see* Kenya).

East African Veterinary Research Organisation (*see* Kenya).

East African Trypanosomiasis Research Organisation (*see* Kenya).

Tropical Pesticides Research Institute (*see* Tanganyika).

Desert Locust Control Organisation for Eastern Africa (*see* Kenya).

LIBRARIES AND MUSEUMS

Zanzibar Government Archives: P.O. Box 116, Zanzibar; history and administration; 2,000 vols.; Librarian C. H. THOMPSON, F.L.A.

Museum Library: P.O. Box 116, Zanzibar; free public lending service; 2,400 vols. and 41 periodicals.

Agriculture Department: P.O. Box 159, Zanzibar; agriculture in general; 920 vols., 50 periodicals.

Zanzibar Government Museum: P.O. Box 116, Zanzibar; local collection, items relating to exploration in East Africa; library.

UNIVERSITY

UNIVERSITY OF EAST AFRICA*

P.O. BOX 44, ENTEBBE, UGANDA

Telephone: Entebbe 881

Established June 28th, 1963, incorporating Makerere University College, Kampala, Uganda, The Royal College, Nairobi, Kenya, and University College, Dar es Salaam, Tanganyika.

Chancellor: J. K. NYERERE, M.A., LL.D.

Vice-Chancellor: Sir BERNARD DE BUNSEN, C.M.G., M.A.

Registrar: L. M. YOUNG, M.A., PH.D.

*A number of the students attending the University of East Africa come from Zanzibar.

COLLEGE

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